

# The European Association of Aerospace Industries



Association Européenne des Constructeurs de Matériel Aérospatial

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INTERNATIONAL SPECIFICATION  
FOR  
MATERIEL MANAGEMENT

INTEGRATED DATA PROCESSING  
FOR  
MILITARY EQUIPMENT

## **SPECIFICATION 2000M**

**REVISION 2.1, MAY 1992**

## **VOLUME 1**



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2	Oct 94	16/IP/93	1		
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2	Oct 94	15/OA/93	1		
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3	Oct 96	05/IP/94	2		
3	Oct 96	06/IP/94	2		
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3	Oct 96	07/OA/95	1		
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## **INTRODUCTION**

### **1. PURPOSE**

Specification 2000M defines the Matériel Management processes and procedures to be used in support of aircraft and other aerospace airborne and ground equipment supplied to Military Customers.

It is the equivalent to the Air Transport Association of America (ATA) documents Specification 2000 (Specification Integrated Data Processing-Supply) and parts of Specification 100 (Specification for Manufacturers Technical Data) which are used in supporting Airline aircraft.

Although this Specification is designed for aerospace support, it may nevertheless be used for the support of any type of equipment.

### **2. BACKGROUND**

The concept of this standard specification was originated in the Association Européenne des Constructeurs de Matériel Aérospatial (AECMA) in 1976. At that time, ATA Specifications 200 and 100 were in use as standards for civil aircraft, although various airlines did work to different revisions of these specifications. In the Military area, there was no standardization and each Air Force operated to a different national specification. Furthermore, in some Air Forces, the traditional practice was to use procedures specifically designed or tailored for each new individual aircraft project and, as a result, there were always many different procedures in use at the same time. Thus, by comparison, the situation for the support of civil aircraft was the more stable and manageable. The multiplicity of existing Military procedures and the continual introduction of new procedures were producing ever greater problems and increased costs for Industry and its Military Customers, as both became more reliant upon the use of complex computer-based systems in the Matériel Support activities.

This situation prompted a drive from the membership of AECMA and the Aerospace Industry Association of America (AIA) to consider the harmonization of military and civil procedures. This move involved a series of presentations to the Senior Military Staffs in several European capitals and ended in an international conference in Paris on 3rd June 1981, when it was agreed that there should be an attempt to develop a harmonized military and civil specification using ATA 200 as a basis for that work.

In the years following 1981, the AECMA Supply Working Group augmented by representatives of AIA, the European Air Forces and the American Forces, produced this specification. It is the result of co-operation between

Aeronautica Militare  
Ejército del Aire  
Forces Aériennes Françaises  
Luftwaffe  
Royal Air Force  
US Air Force

Italy  
Spain  
France  
Germany  
United Kingdom  
United States of America

## SPECIFICATION 2000M

Aerospace Industry of America	AIA
Association of European Airlines	AEA
Association Européenne des Constructeurs de Matériel Aérospatial	AECMA
Associazione Industrie Aerospaziali	AIA, Italy
Agrupacion Técnica Espanola de Constructores de Material Aerospacial	ATECMA, Spain
Bundesverband der Deutschen Luftfahrt-, Raumfahrt- und Ausrüstungsindustrie e.V.	BDLI, Germany
Groupement des Industries Francaises Aéronautiques et Spatiales	GIFAS, France
Netherlands Aerospace Industries	NAI, Netherlands
Society of British Aerospace Companies Limited	SBAC, United Kingdom
Swedish Aerospace Industries	SAI, Sweden

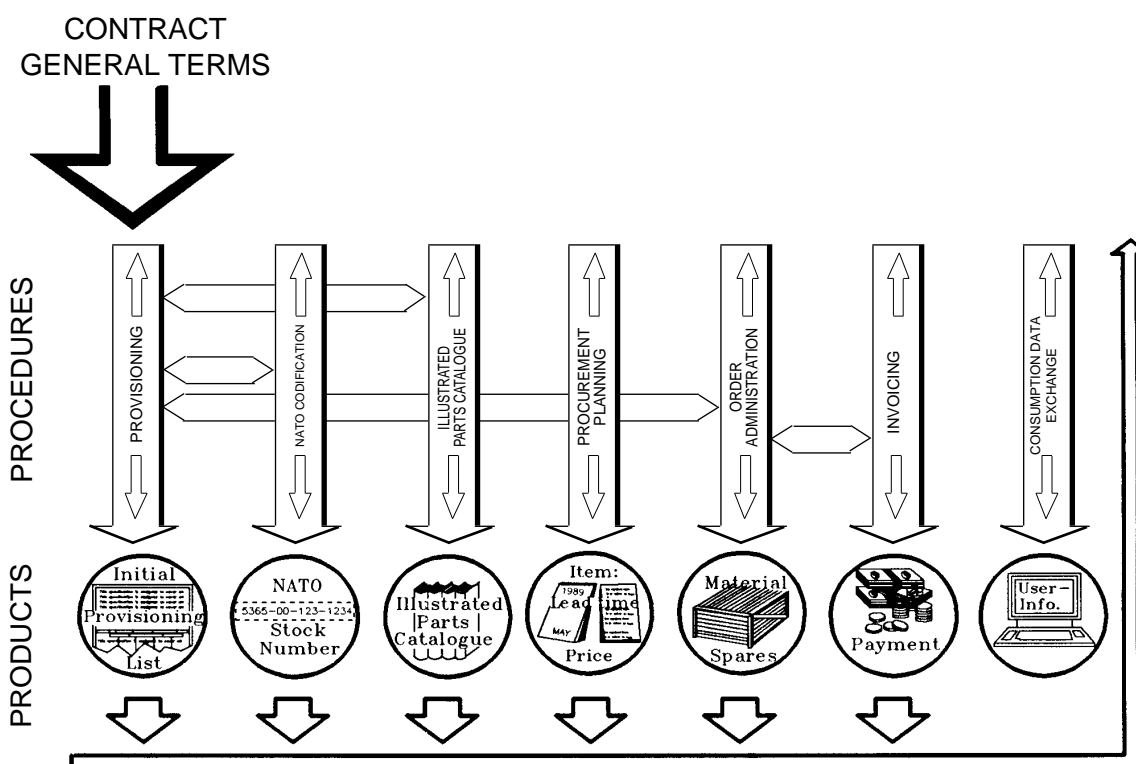
In 1984, independent of the AECMA work, the world's airlines together with Industry started to develop the ATA Specification 200 into Specification 2000 to match their changed business methods.

Although ATA 200 and the later Specification 2000 were taken as a basis for the AECMA harmonization activities, the different military policies and requirements prevented the Military adoption of the civil specification and indeed did not allow the development of a single specification acceptable for the support of both civil and military aircraft. Nevertheless, the development of such a common specification remains as the ultimate goal of AECMA and ATA.

There exists a formal agreement between ATA and AECMA which defines their future co-operation regarding the specification. The significance of the co-operation is reflected in the ATA agreement that this specification should be known as Specification 2000M.

### 3. SCOPE

This specification is designed to cover all Matériel Management activities in support of military aircraft. The procedures describe the interfaces between Industry and Customer, which, when based upon contractual agreements, will provide the typical products of the Logistic Matériel Management as illustrated in Figure 1.



**PRODUCTS AND PROCEDURES OF LOGISTIC MATERIEL MANAGEMENT**

**FIGURE 1**

Specification 2000M is organized into chapters which are designed to stand alone for ease of understanding as well as ease of implementation. However, where subjects are common to more than one chapter, these have been assigned to Appendices which have to be read in conjunction with the related chapter.

#### **Chapter 1A - Provisioning**

Provisioning is the process of selecting support items and spares, necessary for the operation of aircraft, engines or special equipment. This chapter defines the process and specifies the data, formats and transmission procedures to be used in providing provisioning information to the Customer. It also provides the data base from which Illustrated Parts Catalogues (IPC) are produced.

## **SPECIFICATION 2000M**

### **Chapter 1B - NATO Codification**

NATO Codification covers the processes and information flow between Industry, the National Codification Bureaux and the Customer for all activities related to Codification. However, Specification 2000M can be applied without using NATO codification.

### **Chapter 1C - Illustrated Parts Catalogue**

The Illustrated Parts Catalogue Chapter defines the contents of catalogues and the rules for assembly and presenting that information in different forms. This specification uses the term Illustrated Parts Catalogues for all cataloguing. The term "Illustrated Parts List" is not used.

### **Chapter 2 - Procurement Planning**

This chapter defines methods for Industry to provide updated information on parts offered for sale and for the quotation process, wherever it is applicable.

### **Chapter 3 - Order Administration**

Order Administration covers the process of order placement, and the flow of information concerning the progress of orders and deliveries. It also embraces the process of requesting that information.

### **Chapter 4 - Invoicing**

Invoicing provides a standard process of transmitting invoice data from Industry to Customer, in a manner designed to simplify and expedite that activity.

### **Chapter 5 - Consumption Data Exchange**

The Consumption Data Exchange Chapter covers the exchange of spares consumption data between Customer and Industry as well as the transmission of repair arising forecast information.

### **Appendices**

Appendices describing data and specifications common to more than one chapter, include:

1. Data Dictionary
2. Communication Techniques
3. Machine Readable Code (Bar Coding)
4. Definitions and Abbreviations

#### **4. APPLICATION**

It is the intention that Specification 2000M shall be the common specification to be used by the Air Forces and Industry who participated in its development. It will be the general requirement for the support of future aircraft projects. By agreement between Customer and Industry, it can be supplemented by additional international or national requirements for specific projects. The use of the specification and any supplementary processes should always be subject of contractual agreement between Customer and Industry. It is also the intention of Industry that the specification shall be used, whenever possible, in projects involving other Customers throughout the world.

#### **5. MAINTENANCE**

Proposals to amend Specification 2000M must be submitted in the full knowledge that all users, both military and industrial, will be affected by changes to the Specification, and will be accepted only under international agreement. This paragraph describes how requests for explanation of, or changes to, Specification 2000M should be handled.

##### **Maintenance and Co-ordination Group**

Responsibility for maintaining Specification 2000M is vested in the Maintenance and Coordination Group (MCG) which comprises one military and one industry voting representative from each nation concerned in the preparation and use of the Specification. The MCG considers change proposals at its biannual meetings and may ratify them for incorporation in the Specification. The MCG also decides when changes will be published in Specification 2000M.

Subordinate to the MCG are three expert teams (ET); one for each of the disciplines covered by the Specification:

- Initial Provisioning Expert Team (IPET).
- Order Administration Expert Team (OAET).
- Information Technology Expert Team (ITET).

Each ET comprises one military and one industry voting representative from each nation. Additional members are co-opted from specialist areas when necessary. The ETs have military and industry co-chairmen who are also non-voting representatives on the MCG.

The parts of Spec 2000M for which each ET is responsible are as follows:

- **IPET.** Chapters 1A, 1B and 1C; the associated Data Elements that appear in the Data Dictionary, Appendix 1, and the terms defined in Appendix 4; and the overall management of Appendix 4.
- **OAET.** Chapters 2, 3, 4 and 5; Appendix 3; and the associated Data Elements that appear in the Data Dictionary, Appendix 1, and the terms defined in Appendix 4.

## **SPECIFICATION 2000M**

- **ITET.** Appendix 2; the associated Data Elements that appear in the Data Dictionary, Appendix 1, and the terms defined in Appendix 4; the overall management of Appendix 1; and the overall IT management of Specification 2000M.

### **Requests for Clarification of the Specification**

A user of the AECMA Specification 2000M may have a requirement to have certain parts of the Specification 2000M clarified, which could relate to either the Business or the Technical aspects. In this situation, it is likely that the raising of a Change Proposal would be inappropriate because it is necessary only to provide an explanation of how the Specification 2000M should be interpreted. However, because the request and the answer may be of interest to other users of the Specification 2000M, a formal procedure is used to register and distribute this information. In certain circumstances, it may be felt that the Request for Clarification has highlighted an area of the Specification 2000M which should be improved and, in these cases, a Change Proposal will be raised by the Expert Team to introduce better wording into the Specification 2000M.

When a Specification 2000M user has the need for an explanation of how a particular part of the Specification 2000M should be interpreted, the request should be recorded on the Specification 2000M Request for Clarification Form, included in Annex B to this Section. This form should be forwarded to a member of the Expert Team, appropriate to deal with the request, if known. Otherwise, the form should be sent to the national MCG representative or the Industrial MCG Co-Chairman who will pass it to the appropriate Expert Team.

On receipt of the request, the Expert Team Member will obtain a Serial Number from his Expert Team Co-Chairman, who is responsible for holding the register. The request may be answered by the member in conjunction with his Expert Team Co-Chairman, or in consultation with the full Expert Team. In addition, some cases may require the involvement of other Expert Teams. Once the answer to the request is established it will be recorded on the Form and forwarded to the Specification 2000M user who originated the request.

In addition to providing the answer to the originator of the request, the completed Request for Clarification Forms will also be circulated to the Expert Team members, the Co-Chairmen of the other Expert Teams and the MCG Members. The MCG will consider further action on these points of clarification, which may involve the raising of Change Proposals.

### **Requests for Changes to the Specification**

As already stated, because of the constitutional requirement to obtain the agreement of both military and industry participants in all nations involved, requests for changes should generally be limited to those that are either urgent or essential to the satisfactory working of the Specification, or which can improve it by affording significant cost benefits. Requests for less important changes or editorial corrections may be submitted but these will be batched and processed during a scheduled revision or when they can be readily incorporated alongside more urgent changes.



An initial request for amendment to the Specification is referred to as a 'Change Proposal'. When the Change Proposal has been accepted by the appropriate ET Co-chairmen for staffing within the Expert Teams, it is allocated a Serial Number. It then becomes a 'Change Request' for submission to the MCG for ratification.

Change proposals should be submitted to the appropriate national ET member. Submissions should be drawn up using Change Proposal/Request Form (1) included in Annex A to this Section. Ideally, the relevant page(s) of the Specification should be copied and the proposed amendment included in manuscript.

On receipt of the Change Proposal, the ET member will assess its validity and viability. If the proposal is not supported, the ET member will return it to the originator with a suitable explanation. If supported, the ET member will then obtain a Change Request Number from the ET Co-Chairman and circulate the Change Request to all ET members for comment. The ET Co-Chairman will raise and maintain Change Request Form (2) in order to monitor progress of the Change Request. If the proposed change is complex, the ET Co-Chairmen may decide to call a meeting of the ET. Otherwise, the Change Request will be dealt with expeditiously by correspondence.

When the Change Request has been approved by the ET members, it will be submitted to the MCG members and the Co-Chairmen of the other ETs for consideration at the next MCG meeting. If the Change Request is too urgent to wait until the next MCG meeting, ratification ex-committee may be requested or, if it is complex and requires discussion, an extraordinary meeting of the MCG may be called.

Following MCG ratification the Change will be submitted to the printer for publication as a formal amendment to the Specification. The Change as agreed by the MCG will be circulated through the MCG membership. Changes not ratified by the MCG will be returned to the originator, with a suitable explanation, via the ET Co-Chairman.

Copies of Specification 2000M and amendments can be obtained from:

<p>Infovision Systems Ltd Slack Lane Derby DE22 3FL UK Tel: 01332 347123 - Telefax: 01332 345110</p>
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**ANNEX A TO SECTION 0-1**  
**CHANGE PROPOSAL/REQUEST FORMS**



<b><i>SPEC 2000M</i></b>	<b>CHANGE REQUEST FORM (2)</b>	<table style="width: 100%; border: none;"> <tr> <td style="border: 1px solid black; width: 50%; padding: 2px;">6</td> <td style="border: none; padding: 2px;"><b>Request No.</b></td> <td style="border: 1px solid black; width: 50%; padding: 2px;"></td> <td style="border: none; padding: 2px;"><b>Issue No.</b></td> <td style="border: 1px solid black; width: 50%; padding: 2px;"></td> </tr> <tr> <td colspan="5" style="border: none; padding: 2px;"> <div style="text-align: center;">           __/__/__ - __         </div> </td> </tr> <tr> <td colspan="5" style="border: none; padding: 2px;"> <b>Date:</b> </td> </tr> </table>	6	<b>Request No.</b>		<b>Issue No.</b>		<div style="text-align: center;">           __/__/__ - __         </div>					<b>Date:</b>				
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<div style="text-align: center;">           __/__/__ - __         </div>																	
<b>Date:</b>																	
<b>7</b> <u>Request No. Allocated To:</u>  <u>Reply By Date:</u>																	
<b>8</b> <u>Subject:</u>  																	
<b>9</b> <u>Expert Team Members Responses:</u> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">Ind. ET Member</th> <th style="width: 25%;">Response</th> <th style="width: 25%;">Mil. ET Member</th> <th style="width: 25%;">Response</th> </tr> </thead> <tbody> <tr><td style="height: 100px;"></td><td></td><td></td><td></td></tr> </tbody> </table>			Ind. ET Member	Response	Mil. ET Member	Response											
Ind. ET Member	Response	Mil. ET Member	Response														
<b>10</b> <u>Action Taken:</u>  																	
<b>11</b> <u>Distributed To Other Expert Team Co-Chairmen And MCG Members:</u>  <div style="margin-left: 40px;"> <u>Date Sent:</u>  <u>Approval Requested:-</u>    <input type="checkbox"/> Ex-Committee    Reply By Date:           <input type="checkbox"/> Next MCG                      Meeting No/Date:     </div>																	
<b>12</b> <u>Ex-Committee Responses:</u> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 16.6%;">ET Co-Ch</th> <th style="width: 16.6%;">Response</th> <th style="width: 16.6%;">MCG Member</th> <th style="width: 16.6%;">Response</th> <th style="width: 16.6%;">MCG Member</th> <th style="width: 16.6%;">Response</th> </tr> </thead> <tbody> <tr><td style="height: 100px;"></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			ET Co-Ch	Response	MCG Member	Response	MCG Member	Response									
ET Co-Ch	Response	MCG Member	Response	MCG Member	Response												
<b>13</b> <u>MCG Decision:</u>  <div style="margin-left: 40px;">       New Issue Of Change Request Required    NO <input type="checkbox"/>           YES <input type="checkbox"/>    Issue Date:     </div> Change Scheduled For Inclusion In Spec:																	

**INSTRUCTIONS FOR COMPLETION OF SPEC 2000M**

**CHANGE PROPOSAL/REQUEST FORMS**

**1. GENERAL ASPECTS**

**1.1 Change Proposal/Request Form (1)**

The purpose of Form (1) is twofold. Firstly it enables the originator, who may be any user of the Spec, to raise a Change Proposal and secondly it is used for the subsequent processing of this Proposal as a "Change Request" when it is supported by the relevant Expert Team.

**1.2 Change Request Form (2)**

Form (2) is used by the responsible Expert Team Co-Chairman to administer the Change Request and record the significant associated activities and decisions up to the implementation of the Change Request into the Spec.

**2. DETAILED INSTRUCTIONS**

(PARAGRAPHS REFER TO NUMBERED BOXES ON FORMS).

**2.1 Change Proposal/Request Form (1)**

1. When a Change Proposal is raised, this box is left blank. The request number is only allocated at the time that the receiving Expert Team Member accepts the Proposal and "sponsors" it as a Change Request. When he does this he obtains a Request Number from his Expert Team Co-Chairman and enters it, together with the date of allocation and Issue Number "1", prior to distributing the Form to the other Expert Team Members.
2. Identifies the Originator of the Change Proposal (From), the Expert Team Member to whom it is sent (To) and the date of origin. If the Change Proposal is sent through AECMA Headquarters, the "To" would be left blank.
3. Identifies if routine action is sufficient for handling Change Proposal (No), or if urgent action is required (Yes). If urgent, then the reason for the urgency needs to be given.
4. Gives an explanation of the Change Proposal under the following headings (all have to be provided):

(1) Subject	(giving a title to the Change)
(2) Problem	(describing what the Change intends to solve)
(3) Implications	(caused by the problem - if the change is not made)

- |                                      |  |
|--------------------------------------|--|
| (4) Proposal                         | (describing what the solution is)  |
| (5) Advantages                       | (identifying what will be gained from the change)  |
| (6) Potential Cost Implications      | (both cost of implementing change and savings after change is made)                                |
| (7) Spec 2000M Page Numbers Affected | (identifying all the page numbers affected by change - in addition to attaching the changed pages) |

Where it is necessary, the contents of Box 4 should be continued on additional sheets of paper.

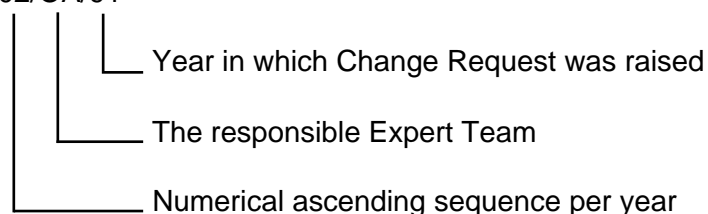
- Records the action taken by the receiving Expert Team Member. This may include, for example, the resolution of a Change Proposal by giving an explanation to the originator, rather than raising a Change Request. These "resolved" Change Proposals would also be circulated to the other Expert Team members for information.

## **2.2 Change Request Form (2)**

- Identifies the Change Request Number allocated, its Issue Number and the date it was allocated. The information is recorded by the Expert Team Co-Chairman allocating the Number and is identical to that recorded in Box 1 on Form (1) by the "sponsoring" Expert Team Member. When the staffing of the Change Request, through either the Expert Team, the other Expert Team Co-Chairmen or the MCG, results in an alternative to the original Proposal, then this must be recorded on the Change Request with a raise in Issue Number. When the MCG give ratification to a Change Request, both the Change Request Number and the Issue Number will be specified.

The Change Request Number is comprised as follows:

02/OA/91



- Identifies the "sponsoring" Expert Team Member to whom the Change Request Number is allocated and the Reply By date, jointly agreed with the Co-Chairman, by which all Expert Team Members should respond.
- Identifies the title of the Change Request taken from Box 4 of Form (1).

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9. Records the responses received from the Expert Team Members, generally as “accepted” or “rejected”. All rejections will be supported by a full explanation and/or counter proposals.
10. Records the action taken to resolve the Change Request in those cases where full acceptance was not given by all Team Members. This may involve further ex-committee activity or may require an Expert Team Meeting.
11. Identifies the date the “Expert-Team-Approved” Change Request is distributed to the other Expert Team Co-Chairmen and MCG Members.
12. Records the responses received from Expert Team Co-Chairmen and MCG Members.
13. Identifies if the processing of the Change Request has resulted in some alteration to it, in which case it would be raised in Issue Number, and the scheduling of the change for inclusion in the Spec. This latter information may specify the Spec amendment number and planned date for release.



**ANNEX B TO SECTION 0-1**  
**REQUEST FOR CLARIFICATION FORM**

<b>SPEC 2000M</b>	REQUEST FOR CLARIFICATION	<div> 1 Request No. </div> <div> RC __ / __ / __ </div> <div> Date: </div>
2	<div> Originator: To: </div> <div> Date: </div>	
3	<div> SPEC 2000M Reference: </div>	
4	<div> Description Of Request for Clarification: </div>	
5	<div> Answer Provided: </div>	

**INSTRUCTIONS FOR COMPLETION OF SPEC 2000M**

**REQUEST FOR CLARIFICATION FORM**

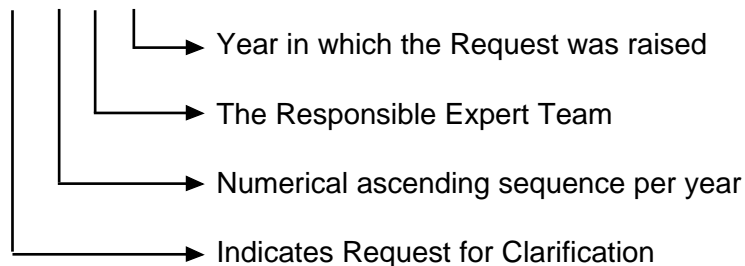
(Paragraphs refer to numbered boxes on the Form)

1. Identifies the Request for Clarification Number allocated by the Expert Team responsible for handling the clarification.

When the Request for Clarification is raised the Originator leaves this box blank. The information is recorded by the Expert Team Member, receiving the Request for Clarification, who obtains a Request Number from the Expert Team Co-Chairman responsible for maintaining the register. The date identifies when the Request number was allocated.

The Request for Clarification Number is comprised as follows:-

RC/01/IP/95



2. Identifies the Originator of the Request for Clarification, the Expert Team (or MCG) Member to whom the Request is sent and the date of origin.
3. Gives the reference to that part of the Specification 2000M against which the Clarification is being sought by quoting the Chapter, Section, paragraph etc.
4. Explains the aspect of the Specification 2000M which needs to be clarified.

Where appropriate, if the reason for the Request for Clarification has arisen due to the identification of possible alternative interpretations of the Specification 2000M, these should also be provided.

5. Provides the answer to the Request for Clarification and the reply date.

When the Request for Clarification identifies a need to raise a Specification 2000M Change Proposal, this information will also be provided together with the Proposal Number.

## CHAPTER 1A - PROVISIONING

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**PROVISIONING-GENERAL**  
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## **PROVISIONING - GENERAL**

### **1. PURPOSE**

- 1.1 The procedures in this Chapter cover the process of providing data to permit the Customer to order support items and spares necessary to operate and maintain an aircraft, engine or other end item for its Service Life. The data base established for this process also provides the means for the automated production of Illustrated Parts Catalogues (IPC). The data provided gives the Customer and the Contractor the basic technical information necessary for Order Administration.
- 1.2 For ease of understanding, these procedures are presented in seven parts -
- Flow Charts (Section 1A-2)
  - Instructions on the Compilation of Data (Section 1A-3)
  - Preparation of Initial Provisioning Lists (IPL) (Section 1A-4)
  - Preparation of Illustrations (Section 1A-5)
  - Updating of Initial Provisioning Data (Section 1A-6)
  - Structure and Format for Provisioning Data Exchange (Section 1A-7)
  - Observations (Section 1A-8)

### **2. PRINCIPLES**

The principles of the Provisioning Chapter are:

- The data shall be compiled in accordance with the established compilation rules (Section 1A-3), using the data elements as defined in the Data Dictionary (Appendix 1).
- The same data will be used to produce both Initial Provisioning Lists (IPLs), Section 1A-4, and the Text of Illustrated Parts Catalogues (IPCs), see Chapter 1C.
- In addition, illustrations to match the data shall be prepared in accordance with the rules contained in Section 1A-5. These illustrations will be used initially to support the provisioning process and will subsequently be used in the IPC.
- The requirements of the NATO Codification process (see Chapter 1B) will be integrated in this provisioning procedure and the products of this process will be recorded in the data base and its outputs.

### **3. COMPILATION**

This specification calls for two methods of data compilation which differ in the method of sequencing items and in the degree of supporting data required.



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### 3.1 The Basic Method

3.1.1 The normal method of compiling data will be to present an engineering breakdown in disassembly sequence, identifying all assemblies and their individual components together with other detail parts which cannot be assigned to assemblies, in accordance with their engineering drawings and Bills of Material (BOM). The sequencing of these items will be by use of the **Catalogue Sequence Number** (CSN) and it is this practice which enables the production of the IPC from the same data.

3.1.2 The engineering breakdown will be to the level which matches the Customer's maintenance plans.

3.1.3 In addition to the engineering breakdown, the following will also be listed -

- Raw Materials
- Consumables
- Repair Kits
- Aerospace Ground Equipment (AGE), Tools and Test Equipment
- Shipment/Storage Parts
- Category 1 Containers.

3.1.4 Data prepared in this way will be presented to the Customer as "CSN-orientated IPL".

### 3.2 The Alternative Method

3.2.1 The alternative method of data presentation will be in **Part Number sequence**, as "Part Number-orientated IPL". This form of presentation will be used only in exceptional circumstances and then only with the agreement of the Customer. It is primarily intended that these IPLs should be used when an advanced presentation of Long-Lead-Time Items (LLTI) is necessary. Only items of supply will be included and Part Numbers will only be presented once, irrespective of the number of different applications an item might have. This form of presentation does not provide for the preparation of an Illustrated Parts Catalogue.

3.2.2 Items initially presented in a Part Number-orientated IPL will also appear in subsequently presented CSN-orientated IPL. However, it should not be necessary to retransmit unchanged PN related data.

## 4. THE SIZE OF INITIAL PROVISIONING LISTS

For ease of handling, the IP data will be packaged, identified and controlled by Initial Provisioning Project Numbers (IPPN) for individual equipment; each equipment will have a single IPPN which relates to the content of the IPC for that equipment. However, for aircraft and engines the size of the listing dictates that the listing be broken down into more manageable units. In principle, the division of the breakdown will follow the chapterization of the aircraft as defined in AECMA Specification 1000D. However, other considerations to make the handling of the IP programme more amenable to both Contractor and Customer may be agreed at the commencement of the programme.

## **5. MULTI-CUSTOMER PRESENTATIONS**

- 5.1 This specification provides for the presentation of IP data for more than one Customer using the same aircraft, engine or end item. Different configuration standards can be readily identified and data specific to each Customer recorded on the same list.
- 5.2 Whenever there is a difference in level of breakdown required by two or more Customers, the IP compilation and presentation will be to provide the greatest breakdown.

## **6. THE PROVISIONING PROCESS**

This paragraph describes the major steps in the provisioning process. These steps are also shown in Figure 1. For a full understanding of the provisioning process, reference should be made to the detailed Flow Chart at Section 1A-2, the detailed descriptions in Sections 1A-3, 1A-4, 1A-5, 1A-6, 1A-7 and 1A-8 of this Chapter, and in Chapter 1B.

### **6.1 The Guidance Conference**

- 6.1.1 As a preliminary to provisioning activities, it is necessary for the Customer and the Contractor to agree the contractual requirements to be satisfied. This is the purpose of the Guidance Conference. In particular, the Guidance Conference should:

- Explain the Customer's Maintenance Concept and Support Policy.
- Establish the level of IP presentation required.
- Identify the overall timescales for the IP Programme.
- Determine whether advance Part Number-orientated IPLs are required.
- Develop an outline of the IP Programme.
- Identify the Customer's support parameters on which all spares recommendations must be based.
- Determine the need for concurrent ordering of production line and spare Line Replaceable Items (LRIs), together with any procedures to be followed.
- Identify deviations from routine procedure for the IP.
- Determine NATO Codification requirements.
- Deal with any other subject relevant to the proper conduct of the IP process.

- 6.1.2 The identification of the level of IP presentation may be in terms of a general statement by the Customer (e.g. that Customer servicing will be limited to on-base maintenance and not include depot repair). Alternatively, the Customer may wish to specify different levels for different equipments. Exceptionally, the Customer will wish to identify specific maintenance/repair functions he desires to undertake on a specific equipment. Some Customers may wish to satisfy the requirements of the Guidance Conference by producing a Maintenance and Support Policy statement defining their requirements. If available, this document should become the basis of the Guidance Conference agenda.

- 6.1.3 In addition to addressing the initial problems of presenting provisioning data, the Guidance Conference should also consider the subsequent maintenance and updating of that data base throughout the in-service life of the aircraft, engine or equipment being supported. In particular, the Conference should determine whether any data requirements can be relaxed or speeded up at any point in time. The opportunities for such changes are identified in Section 1A-6.

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### **6.2 The IP Programme**

Based upon the requirements outlined at the Guidance Conference, the Contractor will develop the detailed IP Programme for subsequent agreement by the Customer. This programme will identify the workloads to be undertaken by the Contractor, the Customer and the NATO Codification organization.

### **6.3 The Draft Initial Provisioning Lists**

6.3.1 After compilation of data, the Contractor's first action will be to issue the Draft IPL and the related Draft illustrations to the Customer for review. If necessary, the Customer may subsequently pass any observations on the List to the Contractor.

6.3.2 The Draft IPL will also be used as the basis for initiating the NATO Codification process in accordance with Chapter 1B.

6.3.3 In exceptional circumstances the Contractor may find the need (or may be notified by the Customer through Observations) to make major changes to IP data which he has issued at 'D1' standard, but before the PAM has taken place. In these circumstances he should notify the recipients of the data that the 'D1' standard is to be withdrawn. The Contractor should then make the necessary changes and issue the IP data as 'D2' standard. The PAM and other IP activities, such as the NATO Codification process, should then be based on this 'D2' standard. This exceptional circumstance will be advised to the Customer by means of an OBSINF message (see Section 1A-8).

### **6.4 The Formal Initial Provisioning Lists**

6.4.1 On receipt of the Customer's observations, the Contractor will amend his data base and/or illustrations whenever he accepts the Customer's proposals. Additionally, the Contractor will also incorporate the results of the codification process and will prepare the Formal IPL for presentation and consideration at the Pre-Assessment Meeting.

6.4.2 In addition, a consolidated list of all observations raised by the Customer(s), identifying the actions which have been taken, must be made available by the Contractor at the Pre-Assessment Meeting.

### **6.5 The Pre-Assessment Meeting**

6.5.1 The purposes of Pre-Assessment Meetings are to:

- Familiarize the Customer with the equipment to be supported.
- Review the Customer's observations on the IP data and illustrations and to agree any actions necessary.
- Review any NATO Codification queries.
- Allocate any outstanding codes, including Customer-supplied codes.
- Approve the IP data and illustrations in readiness for their inclusion into the IPC.

6.5.2 Pre-Assessment Meetings are normally held at the Manufacturer's works, where he is required to make the equipment and its engineering drawing available for inspection. Furthermore, the Manufacturer is required to make available his Design/Production/Procurement staff if needed. When the Aircraft or Engine Manufacturer is the Contractor,

but is not the manufacturer of the equipment being reviewed at a Pre-Assessment Meeting, he will also attend the meeting.

6.5.3 Exceptionally, the Pre-Assessment Meeting for an Equipment may be held on the Aircraft/Engine Manufacturer's premises, in which case the Equipment Manufacturer will still have to provide the facilities specified at paragraph 6.5.2.

6.5.4 The outcome of the Pre-Assessment Meeting will be a set of agreed changes to the Formal IPL and illustrations which will be incorporated into the Contractor's data store prior to the release of the Master IPL and illustrations. Beyond this, any further changes are subject to the Updating Procedure (see Section 1A-6).

6.5.5 In certain cases the changes identified and agreed to be necessary during the PAM are so significant as to warrant a major rework of the IP data which in turn may require an additional PAM to approve it. In these circumstances, the Formal IP data has to be withdrawn and would be reworked by the Contractor and issued as 'D2' standard. As an alternative, it may be decided at the PAM to issue the Master IPL without the changes and present the changes via the Updating procedure as Draft Change messages (see Section 1A-6).

## **6.6 The Master Initial Provisioning Lists**

The Master IPL is the final version of the provisioning documentation and it is used by the Customer to establish his Provisioning and Ordering Process.

## **7. TIMESCALES**

7.1 The timescale for the Initial Provisioning process is critical, because any delays may jeopardize the timely support of the aircraft, engine or equipment. For this reason, the timescales have been carefully defined and they have to be acknowledged in all planning; they are:

- Issue of Draft IPL to Pre-Assessment Meeting - 4 months
- Pre-Assessment Meeting to Issue of Master IPL - 2 months.

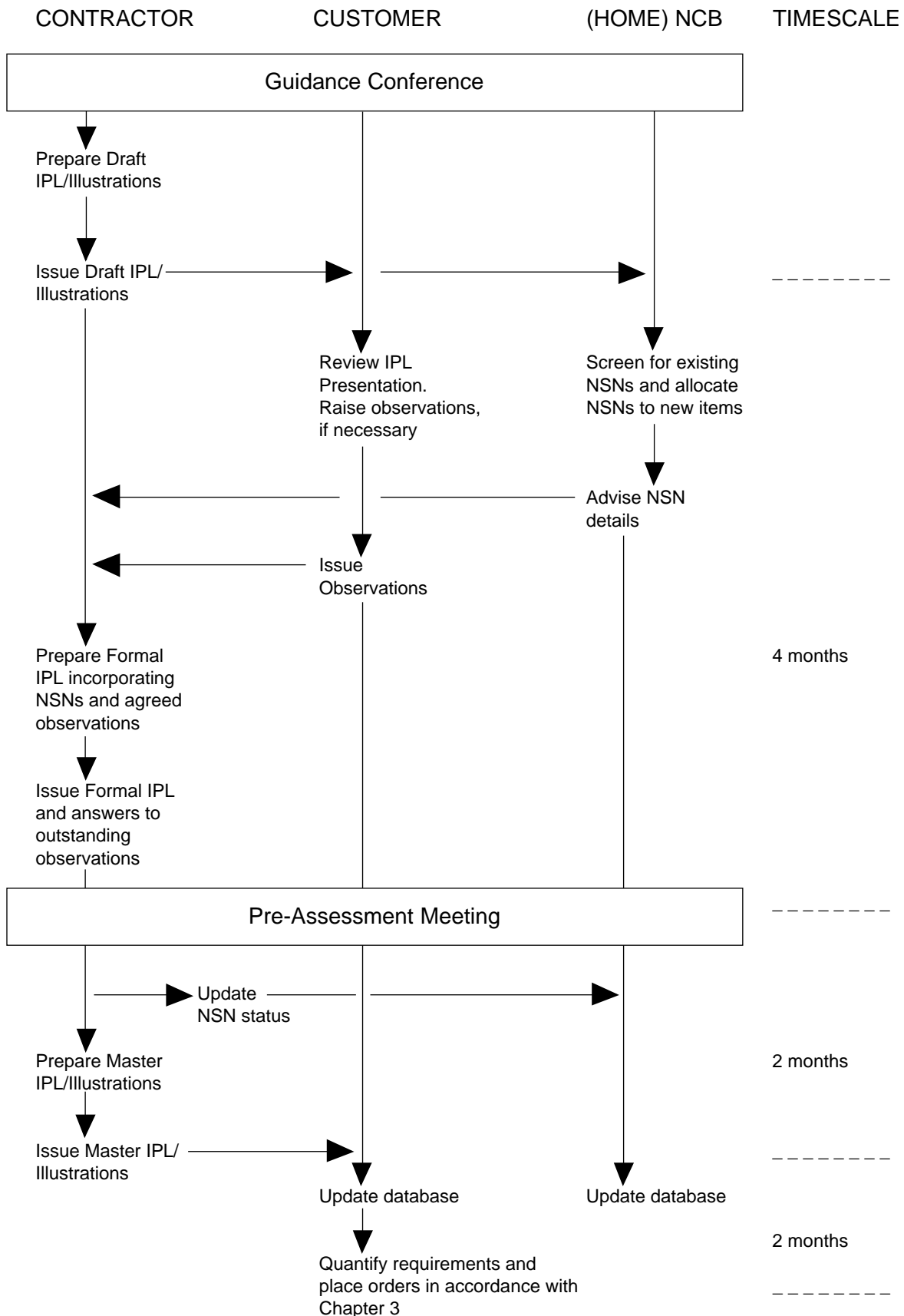
7.2 The Specification assumes that the Customer will require a further two months before placing orders through the Order Administration procedure.

## **8. THE UPDATING PROCESS**

8.1 After the initial compilation and presentation of Master Provisioning data and illustrations, it is also necessary to update it to incorporate changes of any kind as they occur and, as a result, to provide the Customer with revised data and illustrations. This process must continue throughout the life of the aircraft, engine or equipment being supported, and will consequently lead to the proper adjustments in the area of spares orders, Codification and Illustrated Parts Catalogues.

8.2 The various types of data changes do not require precisely the same processing and they can be categorized accordingly. Presentation to the Customer usually differs from that of the Initial Provisioning described in the preceding paragraphs. Similarly, the process and related timescales also differ. They are described in detail in Section 1A-6.

### Initial Provisioning Flow Chart



**SECTION 1A-2**  
**FLOW CHARTS**  
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## FLOW CHARTS

### 1. PURPOSE

The purpose of the flow charts in this Section is to provide detailed information about the sequence of individual steps in the entire process from the definition of initial provisioning requirements to the conclusion of the necessary update activities.

Furthermore, the flow charts assign the responsibility for the proper execution of individual tasks to the applicable partner in the project.

For the ease of understanding, two flow charts have been produced, one for the initial provisioning and one for the update process. Where necessary, references have been made to other sections/chapters of this specification.


For the "Part-Number-orientated IP process", the Alternative Method according to section 1A-1, paragraph 3.2, no flow charts have been developed because this method follows in principle the same steps as the Basic Method. Comments on the applicability of a flow chart step to the PN-orientated IP process have been included where appropriate. In addition, reference to illustrations in the PN-orientated process should be disregarded.


### 2. TIMESCALE


The timescale shown on the Initial Provisioning Flow Chart reflects the number of months before and after the Pre-Assessment Meeting within which an action must take place for each IPL.

The timescale for the Updating Flow Chart is based upon the date of Issue of the Draft Change Message (see Section 1A-6) and is given in calendar days.


### 3. EXPLANATION OF FLOW CHART SYMBOLS


 originator of the action.


 the recipient of the action.

 optional recipient for information purposes.

 flow of data.

 connector to following step.



















 outgoing connection to another step in the flow chart.  
D2

 incoming connection from another step in the flow chart.































#### 4. INITIAL PROVISIONING FLOW CHART

STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (MONTHS)	REMARKS
1.	<b>ACTIONS BEFORE GUIDANCE CONFERENCE</b>					
1.1	CUSTOMER ESTABLISHES MAINTENANCE CONCEPT AND SUPPORT POLICY AS BASIS FOR - DETERMINATION AND DEPTH OF BREAKDOWN - RECOMMENDATION OF SPARES	○	○			
1.2	CUSTOMER DEFINES IP REQUIREMENTS	○				
1.3	CUSTOMER AND CONTRACTOR AGREE REQUIREMENTS	○	○			
1.4	CUSTOMER AND CONTRACTOR NEGOTIATE DATE FOR GUIDANCE CONFERENCE AND CUSTOMER INVITES PARTICIPANTS	○	○	○		
2.	<b>GUIDANCE CONFERENCE (GC)</b>					
2.1	GC TO BE HELD TO - EXPLAIN CUSTOMER'S MAINTENANCE CONCEPT AND SUPPORT POLICY - ESTABLISH LEVEL OF IP PRESENTATION REQUIRED - IDENTIFY THE OVERALL TIME SCALES INVOLVED - DETERMINE WHETHER ADVANCE PART NUMBER ORIENTATED IPLS ARE REQUIRED - DEVELOP AN OUTLINE OF THE IP PROGRAMME - IDENTIFY THE CUSTOMER'S SUPPORT PARAMETERS ON WHICH ALL SPARES RECOMMENDATIONS MUST BE BASED - IDENTIFY DEVIATIONS FROM ROUTINE PROCEDURES - DETERMINE NATO CODIFICATION REQUIREMENTS - DEAL WITH ANY OTHER SUBJECT RELEVANT TO THE PROPER CONDUCT OF THE IP PROCESS	○	○	○		
2.2	- CUSTOMER PRODUCES RECORD OF CONFERENCE DECISIONS	○	○	○		

STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (MONTHS)	REMARKS
<b>3.</b>	<b>IP PROGRAMME</b>					
3.1	CONTRACTOR DEVELOPS IP PROGRAMME AND ASSIGNS IPPN					
3.2	CUSTOMER APPROVES IP PROGRAMME					
3.3	CONTRACTOR ESTIMATES VOLUME OF REQUIRED CODIFICATION WORK					
<b>4.</b>	<b>ACTIONS BEFORE PRE-ASSESSMENT MEETING (PAM)</b>					
4.1	CONTRACTOR COMPILES DATA AND PREPARES ILLUSTRATIONS TO MEET CUSTOMER'S IP REQUIREMENTS					
4.2	CONTRACTOR TRANSMITS/SENDS DRAFT IP DATA AND ILLUSTRATIONS				-4	NO ILLUSTRATIONS TO HOME NCB UNLESS REQUESTED. FOR MESSAGE DETAILS SEE SECTION 1A-7 ANNEX B OR ANNEX C AND ANNEX H
4.3	HOME NCB UNDERTAKES CODIFICATION ACTION					SEE CHAPTER 1B FOR DETAILS
4.4	CUSTOMER REVIEWS IPL AND ILLUSTRATIONS AND TRANSMITS/SENDS CUSTOMER SUPPLIED DATA (INCLUDING OBSERVATIONS, WHEN NECESSARY) TO CONTRACTOR				-1	SEE SECTION 1A-7 ANNEX G AND SECTION 1A-8
4.5	CUSTOMER PREPARES FOR PAM ACCORDING TO INDIVIDUAL PROCEDURES					
4.6	CONTRACTOR REVIEWS OBSERVATIONS ON IPL AND ILLUSTRATIONS AND <ul style="list-style-type: none"> <li>CONSOLIDATES OBSERVATIONS AND PREPARES ANSWERS FOR DECISION AT PAM</li> <li>INCORPORATES CUSTOMER SUPPLIED DATA</li> <li>UPDATES IP DATA AND ILLUSTRATIONS WHERE APPROPRIATE ACCORDING TO THE NATURE OF THE OBSERVATIONS</li> </ul>				-1	SEE CHAPTER 1B FOR DETAILS
4.7	HOME NCB SENDS CODIFICATION RESULTS TO CONTRACTOR					

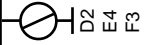


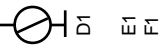








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STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (MONTHS)	REMARKS
4.8	CONTRACTOR TAKES THE APPROPRIATE ACTIONS AND UPDATES IP DATA BASE					SEE CHAPTER 1B FOR DETAILS
4.9	CONTRACTOR PRODUCES HARD COPY FORMAL STANDARD OF - INITIAL PROVISIONING LIST - ILLUSTRATIONS (WHERE NECESSARY)					
4.10	CUSTOMER AND CONTRACTOR NEGOTIATE DATE FOR PAM AND CUSTOMER INVITES PARTICIPANTS					
5.	<b>PRE-ASSESSMENT MEETING (PAM)</b>				0	
5.1	PAM HELD TO - FAMILIARIZE THE CUSTOMER WITH THE EQUIPMENT - REVIEW OBSERVATIONS ON IP DATA AND ILLUSTRATIONS AND AGREE NECESSARY ACTIONS - ALLOCATE CODES WHERE REQUIRED - RESOLVE CODIFICATION QUERIES - REVIEW AND AGREE IP PROGRAMME AND TIME SCALES IN RESPECT OF IPLS BEING DISCUSSED					THE NEED FOR A PAM AND THE TOPICS TO BE COVERED FOR PN-ORIENTATED IP MUST BE DECIDED BETWEEN CUSTOMER AND CONTRACTOR
5.2	CUSTOMER PRODUCES RECORD OF CONFERENCE DECISIONS					SEE CHAPTER 1B FOR DETAILS
6.	<b>ACTIONS FOLLOWING PRE-ASSESSMENT MEETING</b>					
6.1	CONTRACTOR UPDATES IP DATA AND ILLUSTRATIONS ACCORDING TO PAM DECISIONS					SEE CHAPTER 1B FOR DETAILS
6.2	CONTRACTOR PRODUCES FURTHER CODIFICATION REQUESTS (IF REQUIRED)				+1	SEE CHAPTER 1B FOR DETAILS
6.3	HOME NCB UNDERTAKES CODIFICATION ACTIONS IN RESPECT OF ADDITIONAL REQUESTS					SEE CHAPTER 1B FOR DETAILS
6.4	CONTRACTOR PRODUCES AND TRANSMITS/ SENDS - MASTER IP DATA - MASTER ILLUSTRATIONS (IF REQUIRED)				+2	SEE SECTION 1A-7 ANNEX B OR ANNEX C

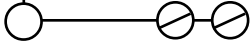


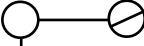



STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (MONTHS)	REMARKS
6.5	CUSTOMER PERFORMS A QUALITY ASSESSMENT OF RECEIVED DATA AND PRODUCES OBSERVATIONS (IF REQUIRED)					SEE SECTION 1A-7 ANNEX G AND SECTION 1A-8
6.6	CONTRACTOR REVIEWS OBSERVATIONS. CORRECTIONS TO BE SENT TO THE CUSTOMER: - FOR NON-COMPLIANCE WITH PAM AGREEMENTS, BY MEANS OF CORIPD MESSAGE - FOR OTHER CHANGES, BY MEANS OF THE UPDATING PROCEDURE					SEE SECTIONS 1A-6 AND 1A-8 FOR MESSAGE DETAILS SEE SECTION 1A-7 ANNEX I
7.	CUSTOMER PLACES ORDERS VIA ORDER ADMINISTRATION PROCEDURES, WHERE NECESSARY				+4	SEE CHAPTER 3
8.	HOME NCB SENDS CODIFICATION RESULTS (FROM STEP 6.2) TO CONTRACTOR				+4	SEE CHAPTER 1B FOR DETAIL. RESULTS FROM HOME NCB RECEIVED BY THE CONTRACTOR PRIOR TO STEP 6.4 SHOULD BE INCLUDED IN MASTER IP DATA TRANSMISSION. RESULTS RECEIVED LATER THAN STEP 6.4 SHOULD BE INCLUDED IN CATEGORY 2 CHANGE MESSAGES
9.	CONTRACTOR PRODUCES IPC WHEN REQUIRED					SEE CHAPTER 1C

## 5. UPDATING FLOW CHART

STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (DAYS)	REMARKS
A1	CONTRACTOR REVIEWS AVAILABLE CHANGE NOTICES					
A2	CONTRACTOR INCORPORATES CHANGES IN WORKING COPY OF HIS DATA BASE					
A3	CONTRACTOR CATEGORIZES CHANGES. IF CHANGE IS - CATEGORY 1 - PROCEED TO STEP C1 - CATEGORY 2 OR PN-ORIENTATED - PROCEED TO STEP B1					
B1	CONTRACTOR UPDATES IPL MASTER FILE					
B2	CONTRACTOR RAISES CATEGORY 2 OR PN-ORIENTATED MASTER CHANGE MESSAGE					SEE SECTION 1A-7 ANNEX E OR ANNEX F
B3	CONTRACTOR TRANSMITS MASTER CHANGE MESSAGE TO CUSTOMER, AND CODIFICATION REQUEST TO HOME NCB IF CODIFICATION IS AFFECTED					
B4	CUSTOMER UPDATES OWN DATA BASE					
B5	HOME NCB CONSIDERS IMPLICATIONS OF THE CHANGE AND ACTS ACCORDINGLY					SEE CHAPTER 1B
B6	CUSTOMER CONSIDERS IMPLICATIONS OF THE CHANGE AND ACTS ACCORDINGLY					SEE SECTION 1A-7 ANNEX G AND SECTION 1A-8. SEE CHAPTER 3
C1	CONTRACTOR RAISES CATEGORY 1 DRAFT CHANGE MESSAGE					SEE SECTION 1A-7 ANNEX D
C2	CONTRACTOR TRANSMITS/SENDS DRAFT CHANGE MESSAGE AND AMENDED ILLUSTRATIONS, IF APPLICABLE, AND CODIFICATION REQUEST TO HOME NCB IF CODIFICATION IS REQUIRED					SEE CHAPTER 1B

STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (DAYS)	REMARKS
C3	HOME NCB COMMENCES CODIFICATION					SEE CHAPTER 1B
C4	CUSTOMER REVIEWS DRAFT CHANGE MESSAGE DATA AND ILLUSTRATIONS, COMPARING DRAFT DATA WITH EXISTING DATA AND CHANGE NOTICES, AND TRANSMITS OBSERVATIONS IF NECESSARY					SEE SECTION 1A-8 AND SECTION 1A-7 ANNEX G
C5	CUSTOMER DETERMINES ACCEPTABILITY OF CHANGE. - ACCEPTABLE AS SUBMITTED - PROCEED TO STEP D1 - ACCEPTABLE WITH ALTERATION - PROCEED TO STEP E1 - NOT ACCEPTABLE - PROCEED TO STEP F1					
D1	CUSTOMER ADVISES CONTRACTOR THAT CHANGE IS ACCEPTABLE AS SUBMITTED AND SUPPLIES CUSTOMER GENERATED DATA IF NECESSARY				56	SEE SECTION 1A-7 ANNEX G
D2	HOME NCB COMPLETES TRANSMISSION OF CODIFICATION RESULTS				90	
D3	CONTRACTOR ASSESSES CODIFICATION RESULTS AND TAKES APPROPRIATE ACTION					SEE CHAPTER 1B
D4	CONTRACTOR UPDATES IPL MASTER FILE					
D5	CONTRACTOR RAISES CATEGORY 1 MASTER CHANGE MESSAGE					SEE SECTION 1A-7 ANNEX D

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STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (DAYS)	REMARKS
D6	CONTRACTOR TRANSMITS MASTER CHANGE MESSAGE				76 110	IF CODIFICATION IS NOT REQUIRED IF CODIFICATION IS REQUIRED MASTER IS ISSUED WITH CODIFICATION RESULTS THAT ARE AVAILABLE. RESULTS RECEIVED LATER SHOULD BE INCLUDED IN CATEGORY 2 CHANGE MESSAGES
D7	CUSTOMER UPDATES OWN DATA BASE					
D8	CUSTOMER CONSIDERS IMPLICATIONS OF CHANGE AND ACTS ACCORDINGLY				106 140	IF CODIFICATION IS NOT REQUIRED IF CODIFICATION IS REQUIRED SEE SECTION 1A-8 AND SECTION 1A-7 ANNEX G. SEE CHAPTER 3
E1	CUSTOMER TRANSMITS PROPOSED ALTERATIONS AND IF NECESSARY CUSTOMER GENERATED DATA TO THE CONTRACTOR				56	SEE SECTION 1A-8 AND SECTION 1A-7 ANNEX G
E2	CONTRACTOR CONSIDERS PROPOSED ALTERATIONS. IF ALTERATIONS ARE - ACCEPTABLE - PROCEED TO STEP E3 - NOT ACCEPTABLE - PROCEED TO STEP F1					
E3	CONTRACTOR UPDATES IPL MASTER FILE					
E4	HOME NCB COMPLETES TRANSMISSION OF CODIFICATION RESULTS				90	

STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (DAYS)	REMARKS
E5	CONTRACTOR ASSESSES CODIFICATION RESULTS AND TAKES APPROPRIATE ACTIONS					SEE CHAPTER 1B
E6	CONTRACTOR UPDATES IPL MASTER FILE WITH CODIFICATION RESULTS					
E7	CONTRACTOR RAISES MASTER CHANGE MESSAGE					SEE SECTION 1A-7 ANNEX D
E8	CONTRACTOR TRANSMITS MASTER CHANGE MESSAGE				90 110	IF CODIFICATION IS NOT REQUIRED IF CODIFICATION IS REQUIRED
E9	CUSTOMER UPDATES OWN DATA BASE					
E10	CUSTOMER CONSIDERS IMPLICATIONS OF CHANGE AND ACTS ACCORDINGLY				106 140	IF CODIFICATION IS NOT REQUIRED IF CODIFICATION IS REQUIRED
F1	CUSTOMER (FROM STEP C5) AND/OR CONTRACTOR (FROM STEP E2) ADVISE REASONS FOR NON ACCEPTANCE AND PROPOSE UPDATING MEETING				56	SEE SECTION 1A-8 AND SECTION 1A-7 ANNEX G
F2	CUSTOMER/CONTRACTOR AGREE DATE FOR UPDATING MEETING				80	
F3	HOME NCB COMPLETES TRANSMISSION OF CODIFICATION RESULTS				90	
F4	CONTRACTOR ASSESSES CODIFICATION RESULTS AND TAKES APPROPRIATE ACTIONS					SEE CHAPTER 1B



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STEP	ACTION	CUSTOMER	CONTRACTOR	HOME NCB	TIME SCALE (DAYS)	REMARKS
F5	CONTRACTOR UPDATES WORKING COPY OF IPL FILE AND PRODUCES - HARD COPY FORMAL IPL EXTRACT - ILLUSTRATIONS AS PER IPL - CONSOLIDATED OBSERVATION LIST FOR UPDATING MEETING					
F6	UPDATING MEETING HELD TO - CONSIDER REASONS FOR NON ACCEPTANCE OF PROPOSED CHANGES/ALTERATIONS - AGREE CHANGES/ALTERATIONS - AGREE ILLUSTRATIONS				110	
F7	CONTRACTOR UPDATES IPL MASTER FILE AND ILLUSTRATIONS					
F8	CONTRACTOR PRODUCES AND TRANSMITS/ SENDS - MASTER CHANGE MESSAGE - MASTER ILLUSTRATIONS IF REQUIRED				130	SEE SECTION 1A-7 ANNEX D
F9	CUSTOMER UPDATES OWN DATA BASE					
F10	CUSTOMER CONSIDERS IMPLICATIONS OF CHANGES AND ACTS ACCORDINGLY					
G1	CONTRACTOR PRODUCES IPC UPDATE WHEN REQUIRED				160	SEE SECTION 1A-8 AND SECTION 1A-7 ANNEX G. SEE CHAPTER 3

## SECTION 1A-3

## INSTRUCTIONS ON THE COMPILATION OF DATA

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## **INSTRUCTIONS ON THE COMPILATION OF DATA**

### **1. PURPOSE**

This section describes how data is compiled as a common data source for the creation of Initial Provisioning Lists (IPLs), the production of the Illustrated Parts Catalogues (IPCs), the support of the NATO Codification process and the transmission of data within the Initial Provisioning (IP) process.

It provides the basic rules for the compilation of data giving specific reference to data element categorization and instructions on how certain types of items need to be presented. It does not, however, cover the interdependancies and relationships of data elements, as these are contained in the Data Dictionary (see Appendix 1).

The instructions on how to prepare data for transmission, produce an IPL or IPC, using the data established through the compilation process described in this section, together with other process-related data elements, are given in Section 1A-7, Section 1A-4 and Chapter 1C respectively.

### **2. INITIAL PROVISIONING PRESENTATION**

#### **2.1 Types of IP Presentation**

There may be two types of IP presentation, one which is given in the sequence of Part Numbers, PN-orientated, and the other which is given in the sequence of Catalogue Sequence Numbers, CSN-orientated.

The CSN-orientated (or structure breakdown sequence) presentation should be considered to be the "normal" procedure and, within this section, unless specific reference is made to the PN-orientated presentation, it should be assumed that the CSN-orientated presentation is being described.

The PN-orientated presentation may be considered to be the means of supporting an advanced IP process which is undertaken before the full CSN data is available. This process is aimed at providing the ability to initiate early ordering and supply support activities for items which are of particular significance to the support of the aircraft and its associated equipments. Paragraph 5 describes how this PN-orientated presentation is compiled when the process takes place prior to the establishment of CSN-compiled data. If the PN-orientated presentation is called for whilst CSN data is available, there will be no necessity for any special PN-compilation activities; the PN-presentation will be extracted by selection from the CSN data.

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### **2.2 Level of Breakdown**

The compilation of data will provide a breakdown of the complete Aircraft, Engine or end item, its equipments, Aerospace Ground Equipment (AGE), tools and test equipment and its associated components and consumables. The level to which this breakdown is to be prepared is that which is appropriate for the maintenance, repair and overhaul in accordance with the Maintenance Concept and Support Policy (MCSP) agreed with the Customer. Whenever there is a difference in level of breakdown required by two or more Customers, the IP compilation and presentation will be to provide the greatest breakdown required.

### **2.3 Chapterized Presentation**

The compilation of the Aircraft and Engine IP presentation will be structured according to the chapterization contained in the document AECMA Specification 1000D. (See paragraph 4.1.1).

### **2.4 Non-Chapterized Presentation**

The MCSP for an equipment may dictate that the equipment should have a separate and independent IP process, publications and IPC. In these circumstances the breakdown of the equipment will appear in its own non-chapterized Separate IP (SIP) presentation. When the equipment is fitted as a component to the aircraft or other assembly, only the equipment and its attaching parts should appear in the "parent" assembly breakdown. (See paragraphs 4.1.2 and 4.5.24).

### **2.5 IP Packages**

For ease of handling and managing, the IP data will be packaged, identified and controlled by IP Project Numbers (IPPNs). For SIP equipments, each equipment IP presentation will have its own IPPN, but for the Aircraft and Engine, because of the volume of items involved, it will be necessary to divide the presentations into several packages, each controlled by its own IPPN. This division should be made taking into account the chapterization of the presentation, the engineering specialities of each chapter and sub-chapter, the volumes of items involved and, in collaborative projects, the Design Responsibilities of each Partner Company. Once allocated, the IPPN will be the single identity by which the IP presentation will be controlled and managed through the IP process and up to the production of the IPC. The allocation of IPPNs and the division of the IP presentations for the Aircraft and Engine will be jointly agreed between the Contractor and Customer.

### **2.6 Responsibility for Data**

The data responsibilities will be covered by a contract between the Customer and Contractor. The Contractor will be responsible for the collection, consolidation and presentation of the data to the Customer. In cases of joint collaborative projects the Aircraft or Engine may be divided into areas of System (or Specification) Design Responsibility (SDR) and each Partner Company will be responsible for the compilation of his SDR portion of the Aircraft or Engine.

### **3. DATA CATEGORIZATION**

The Data Dictionary (Appendix 1) contains all the data elements required to cover the different types of information that may need to be provided for a compiled item. When compiling a record, however, it is necessary to provide only that data which is pertinent to the item, and the data elements have been categorized in such a way that the selection of the appropriate data elements can be made in a logical and orderly fashion. The Compilation Data Element Matrix (CDEM) at Annex "A" demonstrates this categorization and indicates, in part 1, the range of data which is required to support the record of all (both, recommended and non-recommended) items, and in part 2, the additional data which has to be considered if the item is recommended as a spare.

Additionally this categorization further divides data elements into 3 groups:

- a) Mandatory data elements which are essential in establishing an item record.
- b) Conditional data elements used depending upon the nature of an item record.
- c) Optional data elements introduced by special arrangements between Customer and Contractor.

This data categorization does not cover data elements peculiar to the process of transmission, the printing of an IPL or the production of an IPC.

#### **3.1 Data Record for Non-Recommended Items**

Part 1 of the CDEM shows the Mandatory data elements that are necessary to establish the record of a non-recommended item. In addition, when certain conditions exist, one or more Conditional data elements will be needed; for example, only when an item does not appear on an illustration does the data element "Not Illustrated" have to be provided.

#### **3.2 Data Record for Recommended Items**

Part 2 of the CDEM identifies the data elements (in addition to those contained on CDEM Part 1) which need to be provided for items recommended as spares. However, the same categorization applies, indicating those data elements which are Mandatory and those which are Conditional; for example, the data element "Type of Price" is mandatory, but only when it has a value of "01", "02", "03", "04" or "06" is it necessary to provide the "Unit Price".

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Theoretically, all the data elements could apply. However, in practice, the conditions which warrant all these data elements will never apply to any one item.

Part 2 of the CDEM also contains a further Optional data elements.

### **3.3 Data Element Relationship - Parts - Location (Parts Data Commonality)**

Throughout the CDEM, the categorization of Parts-related and Location-related data is identified. This signifies whether a data element for a given item will have the same value at every location that the item is used (Parts-related), or whether the value of a data element for a given item may differ and has to be held independently at each location (Location-related).

The categorization of data in this manner provides the basis for effective and economic data file construction, data storage and data transmission, because the need for unnecessary duplication of "common" Parts-related data at each location is eliminated. The level to which this commonality of Parts data is applied will depend upon the agreement between the Customer and Contractor prior to the commencement of provisioning. As a minimum, there will always be parts commonality within an IP Project.

When compiling data, the significant implications of the differences between the Parts-related and Location-related data must be recognized to prevent unintentional changing of established Parts-related data.

## **4. COMPILATION INSTRUCTIONS**

### **4.1 General**

The compilation of data is achieved by taking information from Engineering Drawings and Bills of Material (BOM), together with other associated Product Definition data sources and structuring it with appropriately assigned data elements into IP data records. The hierarchical breakdown has to be reflected in the structure of the IP data, by showing the engineering relationship of assemblies and their parts, recorded as a logical order of breakdown of items. This relationship is identified using the data element Indenture, which is a numerical code allocated to indicate the different levels of breakdown. Indenture "1" is used to show the top level (the end item of a figure), the next level would be shown as Indenture "2", and so on as the breakdown progresses. For all items, the Quantity Per Next Higher Assembly (QPNHA) should indicate the quantity of the item fitted in one unit of the next higher assembly.

#### **4.1.1 Chapterized IP Structure**

Within the Aircraft and Engine IP presentations the overall structuring of the data is defined by the chapterization given in the AECMA Specification 1000D. This identifies the Chapters and Sub-Chapters into which the data has to be organized and hence provides values for the first three characters of the Catalogue Sequence Number (CSN). The sub-division of these Sub-Chapters into Sub-Sub-Chapters,

Units and Figures, in order to establish values for the remaining 10 characters of the CSN, is undertaken with special regard to the particular content of each Sub-Chapter. This sub-division must result in the creation of Figures whose contents are suitable for effective and economical pictorial representation as Illustrations. It is this compiled IP data which is the basis for the creation of the Illustrations used in the IP process. These same Illustrations, together with specific parts of IP data, are subsequently used in the production of the IPC.

The "Chapterization" allocated to AGE, Tools and Test Equipment in AECMA SPEC 1000D consists of special alpha characters and is not used in the construction of the SPEC 2000M Catalogue Sequence Number. The rules for the compilation of AGE, Tools and Test Equipment are given in paragraph 4.5.5.

#### **4.1.2 Non-Chapterized IP Structure**

In the case of a non-chapterized IP presentation (i.e. an SIP equipment) the data need only be organized into Figures, and the rules for determining the item content of these Figures are the same as those for the chapterized presentation. An additional analysis is necessary, however, to determine the quantity of Figures which will be needed for the SIP presentation. If there will be 99 or less Figures, a numeric Figure number will be used. If during the life of an IP Project there is likely to be more than 99 Figures, an alpha-numeric Figure range has to be adopted commencing A1 to A9, then B1 to B9 and so on, until Z9.

#### **4.1.3 Item Location**

An item's location is defined by the CSN together with another data element, the Item Sequence Number (ISN). The ISN is allocated within the Item Number, thereby allowing the possibility to hold more than one data record with the same Item Number. Several data situations arise which exploit this facility and they are described in Paragraph 4.2.

#### **4.1.4 Presentation of the Subject**

The subject itself is presented at the first location of Figure 1. In case of more than one variant, all of them are to be presented with separate ISNs.

### **4.2 Items Recorded With the Same Item Number**

Certain items are to be allocated the same Item Number, with different ISNs, to indicate their applicability to a particular location in a Figure. The data element ISN, contained in the Data Dictionary (Appendix 1), describes these data conditions in detail, giving rules for the allocation of the ISN. The following list identifies the items which fall into this category;

- Variants (see paragraph 4.5.26)
- Different Configuration Standards (see paragraph 4.5.26)
- Interchangeability (see paragraph 4.5.28)
- Select on Fit or Test Items (see paragraphs 4.5.14 & 4.5.15)
- Mirrored Items (see paragraph 4.5.26)
- Special Repair Parts (see paragraph 4.5.11)
- Special Spares Condition Items (see paragraph 4.5.9)
- Reworked Item (see paragraph 4.5.8)



### 4.3 Items Listed at the End of a Figure

Certain items will be required to be listed at the end of a Figure with an Indenture code of "1". The items which should be listed in this way are those which require to be included in the IP presentation, but which are not contained in the hierarchical breakdown. It is possible for a Figure to contain more than one of these types of items and the following list identifies the sequence in which they should be presented;

1. Storage and Shipping Parts (see paragraph 4.5.21)
2. Unprogrammed Devices and Data Carriers (see paragraph 4.5.16)
3. Markings (placards, decals etc.) (see paragraph 4.5.6)
4. Category 1 Containers (CIC) (see paragraph 4.5.23)
5. Repair Kits (see paragraph 4.5.12)
6. Parts Kits (see paragraph 4.5.13)

### 4.4 Items Listed in Separate Figures

Certain items require to be contained in separate Figures. The types of items, and the sequence in which these Figures should be presented is as follows:

1. Raw Material (see paragraph 4.5.7)
2. Rivets (see paragraph 4.5.20)
3. Consumables (see paragraph 4.5.27)
4. General Tolerance Figures (see paragraph 4.5.15.1)
5. Category 1 Container breakdown (see paragraph 4.5.23)
6. AGE, Tools, Test Equipment and their associated breakdown (see paragraph 4.5.5)
7. Repair Kit breakdown (see paragraph 4.5.12)

#### 4.4.1 Items Listed in Separate Figures for chapterized IP presentations

For chapterized Aircraft and Engine IP presentations the allocation of these figures to their appropriate Sub-Chapter/Sub-Sub-Chapter and Unit Numbers will be agreed between Customer and Contractor at the commencement of the Programme. One of the following two different Versions should be selected.

**- Version one:**

The mentioned types of items should be listed in Sub-Chapter/Sub-Sub-Chapter "01" of each Chapter in the required sequence.

**- Version two:**

The mentioned types of items should be listed in the required sequence at Sub-Chapter/Sub-Sub-Chapter "99" of each Chapter.

For the different types of items the following Unit Numbers have to be used:

90	Raw Material
91	Rivets
92	Consumables
93	General Tolerance Figures
94	Category 1 Container Breakdown
95	AGE, Tools, Test Equipment and their associated Breakdown
96	Repair Kit Breakdown
97	(TBD) for further use
98	(TBD) for further use
99	(TBD) for further use

Types of items (e.g. General Tolerance Figure) which are not appropriate to the Aircraft and Engine presentations shall not be used.

#### 4.4.2 Items listed in Separate Figures for non-chapterized IP presentations

For non-chapterized IP presentations the types of items have to be presented at the end of the equipment breakdown, in the required sequence and in separate Figures.

### 4.5 Item-related Compilation Rules

The following paragraphs identify specific items which need to be included in the IP presentation and describe the particular compilation rules which are associated with them.

#### 4.5.1 Items Losing Their Identity

Items which have lost their identity during manufacture by being permanently attached to other items to form a single unit (e.g. welded together) should not be listed.

#### 4.5.2 Assemblies Not Broken Down Completely

Assemblies, for which some detailed parts cannot be identified by unique part numbers, should be broken down to the lowest identifiable level using the appropriate Indenture Codes. In order to identify that this Assembly/Sub-assembly is not broken down completely, the bracketed information "(incomplete breakdown)" should be included in the Description For Location (DFL).

#### 4.5.3 Recurring Assembly Breakdown

When an assembly (or sub-assembly, module etc.) requiring to be broken down, has multiple occurrences at the same position in the hierarchy, the breakdown for this assembly should be shown only once, with the QPNHA of its breakdown items relating to quantity one of the assembly. The assembly itself should hold a QPNHA equal to the actual quantity fitted in one of its next higher assemblies.

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### 4.5.4 Government/Customer Furnished and Bought Out Items

Items (e.g. armament, engine, navigation equipment etc.) provided to the manufacturer by the Customer for use in the build of the “end item” to the customer’s order, should be listed. Items not fabricated by the “end item” manufacturer, but purchased from another source and installed in the “end item” have to be presented with the original manufacturer’s part number and associated data. Government/Customer Furnished items would not normally require to be broken down, because the Government/Customer would normally have their own direct arrangements for obtaining such data. Bought out items would normally be required to be broken down.

### 4.5.5 AGE, Tools and Test Equipment

The "Chapterization" allocated to AGE, Tools and Test Equipment in AECMA SPEC 1000D consists of special alpha characters and is not used in the construction of the SPEC 2000M Catalogue Sequence Number.

In the case of the Aircraft and Engine IP presentation, the project related AGE, Tools and Test Equipment and associated breakdown items (when not subject to their own SIP presentation) should be listed in the Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1.

In the case of an SIP equipment project, any special project/equipment peculiar AGE, Tools and Test Equipment has to be presented in its own Figure after the equipment breakdown. Its associated breakdown items should also be presented, except when these are subject to their own SIP presentation. When other such Figures exist, reference needs to be made to paragraph 4.4 to ensure that the Figures are allocated in the correct sequence.

The first item in this “AGE FIGURE”, listed at Indenture Code “1” and with Item Number “000”, should be a dummy record, created to head the figure. The Mandatory data elements should be constructed in a suitable manner, e.g. the Part Number, NSCM, Description for Part (DFP), might be “AGE”, “K0000”, “AGE FIGURE”, for a figure compiled by a UK Company. The list of AGE etc. should follow with Indenture Code “2” and when a breakdown is presented, this should be in association with its “end item” at the respective Indenture level.

As an alternative, the AGE may be collected together in a single and separate presentation. In these circumstances the structure of this Omnibus presentation will be contractually agreed between the Customer and the Contractor.

#### 4.5.6 Markings

Items such as placards, decals, metacals and vinyl film markings are to be considered as spare parts and have to be listed. In the Aircraft and Engine IP presentations the items should be included in Chapter "11". In all other presentations, i.e. for SIP equipments, the items should be listed at their appropriate location and Indenture level indicated by the hierarchical breakdown. When this location/Indenture level is not indicated, the items should be listed at the end of the Figure for the assembly on which they appear, with an Indenture code of "1". When other Indenture "1" items are also included at the end of the Figure, the sequence identified in paragraph 4.3 should be followed. Markings will not normally be considered to be illustrated and should have a Not Illustrated (NI) code of "-". They will, however, appear on the Illustration at a suitable location which approximates to the actual location on the assembly, but without leader lines or Item Numbers.

#### 4.5.7 Locally Manufactured Items and Raw Material

An item which can be locally manufactured using raw material will normally be listed as a non-recommended item. It should appear at its appropriate location in the engineering breakdown and the raw material needed for its manufacture should be listed in a separate figure. In the Aircraft and Engine presentation this figure should be located in Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1 and should contain all the raw material used within that particular chapter. In the case of an SIP equipment presentation, the figure should be located immediately after the engineering breakdown. All line items contained in this figure should carry an NI code of "-" and an Item type (ITY) code of "RM". The first item in this figure, listed at Indenture code "1" and with Item Number "000", should be a dummy record created to head the figure. The Mandatory data elements should be constructed in a suitable manner, e.g. Part Number, NSCM, DFP might be "RAW MATERIAL", "K0000", "RAW MATERIAL FIGURE", for a figure compiled by a UK Company. The list of Raw Materials should follow with Indenture Code "2". The locally manufactured item should be identified with a Select or Manufacture From Identifier (SMFI) value "M" and should carry the location(s) of the "raw material" in the data element Select or Manufacture From Range (SMFR).

Where the Engineering Drawings and BOMs do not provide a unique part number for a manufactured item (e.g. Shims), but where this item is part of the engineering breakdown, the standard of the material from which the item is to be manufactured should be used as the part number. The dimensions to which the item has to be manufactured should be included in the DFL at the "manufactured item's" location, and the raw material should be provided in a separate Figure according to the previously described instructions.

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### 4.5.8 Reworked Item

If an item can be reworked through the in-service application of a Modification Kit and the resulting reworked item attracts a different part number from the production line post modification standard, it should be listed and identified with an SMFI code of "R". This reworked item should be given the same Item Number as the "pre-modification" item and the part number of the "pre-modification" item should be provided in the SMFR. If a production line post-modification standard of the item is also presented, then the sequence in which these three items should appear is, pre-modification, post-modification, reworked, and all three items should have the same Item Number.

### 4.5.9 Special Spares Condition

Certain conditions arise, where it is only possible, or where it may be desirable, to supply items as spares, which are not identical to the production build item. In these situations the supplied item requires the allocation of a Special Spares Condition (SSC) part number and may arise from the need to:

- provide an item in its "pre-fitted" state (see also paragraph 4.5.10) e.g. Doors or Skins supplied with excess trim allowance.
- provide units complete with additional items fitted e.g. Engine Bay Doors supplied complete with fire detection/suppression fittings.
- provide units with items removed or supplied loose e.g. Canopy less explosive cord, or Nose Radome Assembly with Pitot Tube, special attachments, bolts, electrical conduit and seals as loose items.

The SSC part number allocated by the manufacturer will normally be of a form which makes it easy to distinguish the supply item from the fitted or production build item.

The SSC part should be provided in a separate record with the same Item Number as the fitted or production build items. The production build item should be listed first as a non-recommended item followed by the SSC item carrying the appropriate data to support a recommended spare. The ISN for each item should be allocated in accordance with the instructions given in the Data Dictionary.

The additional items which are fitted to an SSC item should be provided within the breakdown of the SSC item and appear immediately after the breakdown of the "production build" item. These items should be appropriately annotated in the DFL with, for example: "Additional item for Special Spares Condition".

When an SSC item is created to supply a unit with items removed, then the DFP of the SSC item should be suitably annotated with, for example, "Supplied less explosives cord". The items not supplied, which should appear at their appropriate location in the breakdown, should also be suitably annotated, in this case in the DFL, with, for example: "Not supplied in Special Spares Condition".

The items, which are supplied loose in a particular SSC, should appear at their appropriate place in the breakdown and should carry a suitable annotation in the DFL, for example: "Supplied loose in Special Spares Condition".

#### 4.5.10 Items Requiring Work Prior to Fitting

Certain items cannot be fitted in their "as supplied" state; they require some form of operation (such as drilling or reaming) before, or during, installation. Such items have to be identified with the appropriate Fitment Code (FC) to indicate if it is a "minor" fitting operation (FC of "1") or a "major" engineering operation (FC of "M") that is required.

In those cases where the same part number is used to identify both the fitted and supplied state of the item, then a single record containing this part number should be provided and it should carry the appropriate FC.

In cases where the supplied item has a different SSC part number, the item should be presented with the production build item as described in paragraph 4.5.9 and should carry the appropriate FC.

#### 4.5.11 Special Repair Parts

A special repair part is an item which is not part of a Repair Kit (see paragraph 4.5.12) and is not included in the production build of the item, but is authorized by the manufacturer for use in an approved repair of a specific area of the end item.

Any special repair parts required are to be listed in sequence with the appropriate standard items in the engineering breakdown where they occur. If the special repair part is an additional item, the Item Number consecutive to that of the standard item should be assigned. If it is a replacement item, the same Item Number as the standard item should be used. The Indenture code of the special repair item should be the same as the standard item, the QPNHA should be "AR" (as required), the DFL should include "(repair part)" as bracketted information and, except where the same Item Number as the standard part has been assigned, the NI code should be set to "-". Additionally, the item to be repaired should be assigned a SMFI of "P" and should identify the location(s) of the special part(s) in the SMFR by quoting the Item Number and/or ISN as appropriate.

#### 4.5.12 Repair Kits

A Repair Kit is a kit which comprises a number of items supplied under a single part number which is used to undertake a Manufacturer's approved repair scheme. A kit may include standard parts, special repair parts and, where applicable, auxiliary tools and special consumables. Each kit has to be categorized and the DFP of the record for the Repair Kit should show:

- "(Repair Kit-KD)" if the kit is for use in Depot/Industry repair.
- "(Repair Kit-KF)" if the kit is for use in Field/Component Bays Maintenance.

The record for the assembly or sub-assembly to which the Repair Kit relates should carry an SMFI of "P" and in the SMFR it should indicate the location of the Repair Kit. The Repair Kit should be listed with an Indenture Code "1", an NI code of "-" and a QPNHA "AR" at the end of the figure, taking into account the sequence given in paragraph 4.3. For the Aircraft and Engine IP presentations, the breakdown of the Repair Kit should be presented in a separate figure within Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in paragraph 4.4.1. The record of the Repair Kit, at the end of the assembly figure should identify the location of the Repair Kit in this separate figure by quoting its CSN and ISN in the data element Refer To (RT). This reference should also be made in reverse by quoting the assembly figure location in the Separate Figure record. The Repair Kit breakdown Figure should list all the items which are included in the Kit (e.g. selective fit and select-on-test items are to be listed when applicable) with the appropriate Indenture code and QPNHA value. This list may include items already presented in the original engineering breakdown of the assembly.

The same procedure should be applied to a Repair Kit which appears in an SIP equipment presentation but, in these cases, the location of the Repair Kit breakdown Figure should be positioned after the engineering breakdown of the equipment in accordance with paragraph 4.4. In these cases, the cross referencing provided in the Refer To field will need to show only the Figure and Item number in order to identify properly the location of the referenced record.

### 4.5.13 Parts Kits

A Parts Kit is a kit which comprises a set of gaskets, seals, "O" rings etc., supplied under a single part number, which must be replaced whenever the equipment/component for which the Parts Kit is produced is disassembled for repair or overhaul. The Parts Kit normally comprises items which are contained in the engineering breakdown of the equipment/ component and these are identified as kit items by assigning "K" to the first character of their SMR Code.

The record for the equipment/component to which the Parts Kit relates should carry an SMFI of "P" and, in the SMFR, the location of the Parts Kit should be indicated. The Parts Kit should appear at the end of the figure, taking into account the sequence given in paragraph 4.3, and should be assigned an Indenture Code "1", an NI of "-" and a QPNHA of "AR". If the Parts Kit contains an item which is not included in the engineering breakdown of the equipment/component, this item should be listed at Indenture "2" immediately following the Parts Kit record. This item should also carry a "K" in the first character of the SMR Code.

### 4.5.14 Select-on-Fit Items

When the installation of an item calls for the selection from a range of parts, which differ in physical size and/or tolerance, to meet the variation in dimensions or locations of components to which they relate, this range of "Select-on-Fit" items has to be presented. The range should be listed in sequence with, and carry the same Item Number as, the "standard" part. The complete range, including the "standard"

part, should be identified with an SMFI of "F". The range should be given a QPNHA of "AR" and when applicable, eg range of shims, the "standard" part should also be "AR", but when a specific quantity can be identified, e.g. range of bushes, the "standard" part should carry the actual QPNHA. The ISN should be allocated in numerical sequence as described in the Data Dictionary.

#### 4.5.15 Select-on-Test Items

When the installation of an electrical part calls for the selection from a particular range of values and/or tolerances to suit the operating characteristics of the circuit, this range of "Select-on-Test" items has to be listed. An example of this would be a Resistor being selected to establish a desired quiescent or working current level. All items within the range should have the same Item Number. The first item in the range should indicate the actual QPNHA, whilst the remainder should show "AR". The complete range of items should carry "T" in the SMFI data field and the ISN should be allocated in numerical sequence as described in the Data Dictionary. In certain circumstances, the Select-On-Test range may be presented in a separate General Tolerance Figure; these circumstances are described in the following paragraph.

##### 4.5.15.1 *General Tolerance Figure*

In the preparation of SIP equipments, particularly avionic equipments, the situation can exist where it is necessary to include several Select-on-Test ranges of components. In order to prevent repetitive presentation of the same or similar Select-on-Test ranges, a General Tolerance Figure should be produced to list the range just once to which the locations-of-use can refer. The intention should be to create one single General Tolerance Figure covering the full consolidated range of Select-on-Test items used in the equipment presentation. However, it is permissible to create more than one figure when it is more effective and economical to do so. The items contained in these figures should have an SMFI of "T" and an NI of "-". The first item in these figures should be the non-definitive standard item, which should have a QPNHA of "REF", whilst the range of items should have a QPNHA of "AR". In the location-of-use, only the non-definitive standard item should be listed, carrying an SMFI of "T" and identifying the items in the consolidated range, which are applicable for use at that location, by Figure and Item Number in the SMFR.

The Figure and Item Numbers quoted are the locations of the applicable range of items contained in the General Tolerance Figure. No reference back to the location-of-use should be made in the General Tolerance Figure. The assignment of the Figure Number for the General Tolerance Figure should be made with regard to the list contained in paragraph 4.4.

When the first item in the figure cannot be identified by a non-definitive part number of the Standard to which the range of items is manufactured, or if the figure contains more than one range of standard items, the first item should be a dummy record created to head the figure. The mandatory data elements should be suitably constructed, e.g. Part Number, NSCM, DFP, might be "GTF", "K0000", "GENERAL



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TOLERANCE FIGURE", for a figure compiled by a UK company. The first item should carry an Indenture code of "1" and the range of items should follow at Indenture code "2". When more than one range of standard items is contained in the General Tolerance Figure, it may be desirable to begin each range with the non-definitive part number of the standard at Indenture "2", followed by the range of items at Indenture "3".

Normally the Aircraft or Engine breakdown should not require the use of General Tolerance Figures. However, if circumstances do demand their use, then they should be included in Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1.

### 4.5.16 Programmed Devices

Programmed devices (e.g. ROM, PROM, EPROM) should be listed at their appropriate location in the engineering breakdown with the annotation "(Programmed PROM)", or similar, in the DFP. When it is possible for these devices to be programmed In Service, and the manufacturer authorizes this action, they should be presented as "manufacture-from" items and be given an SMFI code of "M". The blank or unprogrammed device should be listed at Indenture code "1" at the end of the Figure (with regard to sequence in paragraph 4.3) and its DFP should be annotated to show that it is unprogrammed, e.g. "(Unprogrammed PROM)". The programmed device should also give reference in the SMFR to the location of the unprogrammed device and any data carrier which is listed with it. The data carrier (e.g. magnetic tape, cassette, disc), which should also be listed at Indenture "1" at the end of the Figure, should have an appropriate annotation included in its DFL, e.g. "(Data Carrier containing program XY)".

### 4.5.17 Reference Designator

Within any one IPC, there must be only one system of Reference Designators (RDs). This system, and the value assigned to individual components, must be identical to that used in the Technical Manuals. The appropriate codes are to be entered in the RD data field.

When the same component is used at several locations in the same circuit or system, and each of these locations carries its own RD and is at the same Indenture level, this range of RDs should be presented in a single record. The Item Number of this record should be used to identify each RD on the illustration and the QPNHA should represent the sum of all the RDs in the range. Within this record, multiple RD fields will be used to hold the values of the RDs in the range.

#### 4.5.18 Cable Looms, Wiring Harnesses and Individual Wires

##### 4.5.18.1 *Cable Loom Assembly having a Unique Part Number*

When individual wires within the cable loom cannot be replaced separately, but the cable loom can be replaced as an assembly, then only the cable loom assembly number should be listed at its appropriate position and Indenture within the breakdown. When individual wires can be replaced separately, and each has a unique part number defining length, gauge etc., then the Cable assembly part number should be followed, at a lower Indenture level, by the individual wire part numbers. Each record of the individual wires should carry an SMFI of "M", with the SMFR identifying the location(s) of the raw material which should be listed in a separate figure according to the instructions given in paragraph 4.5.7.

When individual wires can be replaced separately, but do not have unique part numbers, then just the cable assembly part number should be listed at its location in the engineering breakdown and the raw materials listed in a separate figure. The raw materials should be presented as described previously, and the record for the cable assembly should carry an SMFI code of "M" and refer to the raw material location in the SMFR.

##### 4.5.18.2 *Cable Looms not identified by an Assembly Part Number and Individual Wires*

When individual wires have unique part numbers, they should be listed at their appropriate location and Indenture in the engineering breakdown. The raw materials should be listed in a separate figure as previously described, and the records for the wires should carry an SMFI of "M" and reference to the raw material location in the SMFR.

When the wires do not have unique part numbers, then the raw material should be listed at the appropriate location and Indenture, and should carry a QPNHA of "AR".

##### 4.5.18.3 *Cable Loom/Wire Connectors*

Connectors and similar items should be treated as normal breakdown parts.

#### 4.5.19 Attaching Parts

Attaching parts should be allocated an Attaching, Storage or Shipping Part (ASSP) code of "1" and carry the same Indenture code as the attached item. In all types of presentation, attaching parts should be listed immediately following the item which they attach and should precede any detail parts breakdown of that item.

In certain circumstances, where an attaching part (e.g. a Clip or a Clamp) is used many times within an assembly, it is permissible to present this part as a single line item showing the total quantity used in the assembly. It should be presented at its appropriate position in the engineering breakdown and should not carry an ASSP code.

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### 4.5.20 Rivets

Rivets should not be considered as attaching parts and therefore should not carry an ASSP code. In all types of presentation special rivets should be listed at their appropriate position within the engineering breakdown.

For Aircraft and Engine data presentation, standard rivets and Select-on-Fit ranges of rivets should be included in Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1.

In SIP presentations, standard rivets may be listed in a separate figure at the end of the engineering breakdown in accordance with the sequence given in paragraph 4.4.

The first item in this "RIVET FIGURE", listed at Indenture Code "1" and with Item Number "000", should be a dummy record, created to head the figure. The Mandatory data elements should be constructed in a suitable manner, e.g. Part Number, NSCM, Description for Part (DFP) might be "STANDARD RIVETS", "K0000", "STANDARD RIVETS FIGURE", for a figure compiled by a UK Company. The list of Rivets should follow with Indenture Code "2".

### 4.5.21 Storage and Shipping Parts

When storage or shipping parts are included within the hierarchical breakdown, they should be listed at the end of the detail breakdown of the assembly which they protect and they should have the same Indenture code as the assembly. When they do not appear as part of the hierarchical breakdown, they should be listed at the end of the Figure with an Indenture code of "1" (with due regard for sequence given in paragraph 4.3). In both cases the parts should be identified by the appropriate ASSP code.

### 4.5.22 Items Not Illustrated

Items which are not included on the illustration should be identified by quoting "-" in the NI data field; these include:

- Certain items listed at the end of a Figure, including unprogrammed Devices and Data Carriers, Markings, Category 1 Containers, Repair Kits and Parts Kits.
- Non-illustrated Figures containing specific types of items, including Consumables and General Tolerance Figures.
- Individual items contained in the engineering breakdown, including Special Repair Parts (which are additional to the standard item), Special Spares Condition parts, and Assemblies or Sub-assemblies which are more effectively illustrated broken down and not shown as Assemblies or Sub-assemblies.

As a general rule, if the Item Number of a record appears on the Illustration, then that record should not have an NI of "-". This applies across items such as Select-on-Test or Select-on-Fit ranges, Interchangeability and configuration relationships, Variants and Mirrored items, each of which will be presented with more than one record of the same Item Number. It should be assumed that the appearance of that Item Number on the Illustration is representative of all records holding that Item Number and that none of these records should be assigned an NI code of "-".

#### **4.5.23 Category 1 Containers (CIC)**

When an item is identified as requiring the use of a CIC, then the record for the item should be assigned the appropriate Packaging Level Code (PLC) and have the location of the record containing the CIC identified in data field Category 1 Container Location (CICL). The CIC should be listed at the end of the Item's Figure, with an Indenture code of "1", and in the sequence identified in paragraph 4.3.

When the breakdown of the CIC is required in an SIP equipment presentation, this should be provided in a separate Figure following the engineering breakdown of the equipment and be allocated in accordance with the sequence given in paragraph 4.4. When such a breakdown is required in the Aircraft or Engine presentation, its location will be in Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1. In both cases, the record of the CIC, at the end of the item's Figure, should identify the location of the CIC, in its breakdown Figure, by using the data field Refer To (RT).

This cross reference should also be provided in the reverse direction by providing the CIC's end-of-the-Figure location in the RT of the breakdown Figure record.

In certain circumstances, the breakdown of a CIC will itself require an SIP presentation which will be identified by its own IPPN. In these conditions a cross reference between the CIC and its breakdown will be achieved as described in paragraph 4.5.24.

#### **4.5.24 Reference to Separate Initial Provisioning (SIP) Presentations**

As described in paragraph 2.4, certain equipments will require their own SIP presentation and will be controlled by their own IPPN. When it is applicable, in order to provide a cross reference between the equipment at its location in its "parent" IP breakdown and its SIP breakdown, the RT data field of the record for the equipment in its "parent" IP should contain the letters "IPPN" followed by the project number of the SIP presentation. This is a one way cross reference only and no reference from the SIP presentation is to be made to the "parent" IP. The record for the equipment in its "parent" IP breakdown should have a Spare Parts Classification (SPC) of "2" and it should be followed by any attaching parts. All other breakdown parts will be listed only in the SIP presentation.

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The spares recommendation is to be made only in the record of the equipment in its "parent" IP. The record of the equipment in its SIP presentation should have no values in the Recommended Maintenance Quantity (RMQ) or Recommended Overhaul/ Repair Quantity (ROQ) data fields.

### 4.5.25 Reference to Breakdown - Separate Figures

As described in the general compilation instructions in paragraphs 4.1.1 and 4.1.2, the sub-division of data into Figures must take account of the quantity and range of items and the difficulties and disadvantages of including too many items in the Figure. This will result in an item which appears as an assembly or module in a "parent" Figure breakdown being "referred out" to another Figure where it is repeated, but with its breakdown. In order to maintain a link between these two locations of the item, a two way cross reference should be established by identifying the location of the breakdown figure record in the RT data field of the "parent" figure record, and the location of the "parent" figure record in the breakdown figure record. The information presented in the RT data field should be the CSN plus the ISN.

In addition to the need to refer between figures in the hierarchical breakdown, as described above, other situations arise where the need for cross-referencing is satisfied by the use of the RT data field. These are:

- Reference out from an equipment's "parent" IP presentation to its SIP presentation (one way only). (See paragraph 4.5.24).
- Reference between the CIC record at the end of a figure and its location in the CIC breakdown figure (both ways). (See paragraph 4.5.23).
- Reference between the Repair Kit record at the end of a figure and its location in the Repair Kit breakdown figure (both ways). (See paragraph 4.5.12).

When other specific, condition-related, cross referencing needs to be applied, the appropriate data field should be used to hold the reference locations, not the Refer To data field. The appropriate data fields and the cross referencing conditions are as follows:

- Select or Manufacture From Range
  - Select on Test Range (see paragraph 4.5.15)
  - Manufacture from Item(s) (see paragraph 4.5.7)
  - Rework from Item(s) (see paragraph 4.5.8)
  - Repair from Item(s) (see paragraphs 4.5.11, 4.5.12, 4.5.13)
- Category 1 Container Location (see paragraph 4.5.23)

#### 4.5.26 Common Breakdown Presentation

Certain equipments, modules, assemblies and subassemblies contain a high degree of commonality in the content and structure of their detail parts breakdown, which may be due to the fact that they are equipment variants, mirrored items, different configuration standards or just similar types of items. In some circumstances it may be effective and economical to present these equipments, or modules etc., in a single SIP project, or figure, utilising a common presentation of their breakdown items and common illustrations. When this method of breakdown is used, it is necessary to indicate the relationship of the detail parts to their respective assemblies, which will be allocated the same Item Number, through the use of the Usable On Code Equipment (UOCE) or Usable On Code Assembly (UOCA) as appropriate (see Data Dictionary). Detail parts common to both (or all) end items should have one line entry and the QPNHA should indicate the quantity fitted to one assembly. Where different detail parts are fitted at the same position in the breakdown, these should be allocated the same Item Number and each QPNHA should relate to a single, respective assembly. Detail parts which are peculiar to a particular end item should be allocated their own unique Item Number and should carry the QPNHA of a single assembly. This common breakdown presentation should be used only in those cases where there is a high degree of commonality of breakdown and where the resulting combined breakdown provides an easily interpretable relationship between parent assembly and breakdown parts.

#### 4.5.27 Consumables

Details of the consumables (e.g. fuels, oils, lubricants, fluids, paints, adhesives, compounds, solvents and similar material) required in the operation, maintenance and repair of the Aircraft, engine and equipments in accordance with the Maintenance Concept and Support Policy should be listed in a separate figure after the engineering breakdown for an SIP equipment, and in Sub-Chapter, Sub-Sub-Chapter and Unit or Assembly as laid down in Paragraph 4.4.1, for the Aircraft and Engine. These consumables should be grouped together in consumable types (e.g. Lubricants, Lacquers, Solvents, Cleaners etc.). All line items contained in a consumable figure should carry an NI code of “-” and an Item type (ITY) code of “CS”. The first item in this figure, listed at Indenture code “1” and with Item Number “000”, should be a “dummy” record created to head the figure. The mandatory data elements should be constructed in a suitable manner, e.g. Part Number, NSCM, DFP, might be “CONSUMABLES”, “K0000”, “CONSUMABLES FIGURE”, for a figure compiled by a UK company. The list of consumables should follow with Indenture code “2”.

#### 4.5.28 Interchangeability

When two or more items are interchangeable at a specific location, these items should be presented at the same Item Number, with ISNs allocated consecutively according to the Data Dictionary. These items should have the appropriate Interchangeability (ICY) code assigned. When the items are presented at the same configuration standard, and a primary part number is one of the ICY items, this should be listed as the first record.

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### **4.5.29 Permanent Concessions on Build Standard**

It is sometimes necessary to incorporate Concessions into the build of specific aircraft, usually to rectify production manufacturing errors on expensive major items. For example a machined bracket or frame which has been incorrectly drilled may require special undersize/oversize bushes to be fitted. These bushes may need to be ordered as spares and should be listed with the same Item Number as the original production fit item, and identified by a unique part number. In addition, the Serial Number (if allocated) of the next higher removable assembly is to be shown in the DFL of each concession item. In the event that there is no next higher removable assembly, or it has no serial number, the aircraft Effectivity is to be shown.

### **4.5.30 Integrated Logistic Support Number**

Within the IP presentation, and subsequently the IPC, the Integrated Logistic Support Number (ILSN) provides an interdisciplinary key which allows cross referencing of items between different areas of support. The ILSN is included in the chapterized and non-chapterized IP presentations (and IPCs). The allocation of the ILSN has to be agreed between Customer and Contractor at the start of a project.

## **4.6 Engine Quick Change Unit**

When required, the method of presentation of Engine Quick Change Units is to be agreed between Customer and Contractor.

## **5. PART NUMBER-ORIENTATED IP PRESENTATION**

As stated in paragraph 2.1, the PN-orientated presentation is aimed at providing the ability to initiate early ordering and supply support activities. If CSN-orientated data has already been compiled, then the PN-orientated presentation can be achieved by extracting the relevant items and data and organizing them into the correct sequence. However, when the IP process is in support of the first sale of the Weapon System, CSN related data may not be available and therefore the PN-orientated data presentation will need to be established through a compilation process. The compilation process should produce an IP presentation containing only those items recommended as spares. These items will generally be required to be presented in Part Number sequence, although there may be Customer/Contractor agreement to group specific items into categories. The items contained in the presentation will be those items upon which action needs to be initiated to ensure that the Customer activities, defined according to the Maintenance Concept and Supply Policy, can be supported in an effective and timely fashion. Typically, these will include 1st and 2nd line spares which have long Purchasing Lead Times (PLT).

The PN-orientated presentation is not a reflection of the hierarchical breakdown and as such, each record within it will effectively be self-standing. The range of data which is necessary to output these records comprises that which is identified in the CDEM at Annex "B" showing the data to be provided for a PN-orientated IP presentation. All data identified in this CDEM is to be presented within Parts related data records and will not be required to be accompanied by supporting illustrations.

The IPPN, which has to be identified within the PN-orientated presentation, is that project in which the item will be presented in the CSN-orientated process. When an item is the subject of an SIP presentation, then the IPPN should be that of the "parent" IP in which the item will appear as a recommended spare.



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## ANNEX A TO SECTION 1A-3

## CSN-ORIENTATED COMPILATION DATA ELEMENT MATRIX

	Non-recommended Item			Recommended Item		
	Mandatory	Conditional	Optional	Mandatory	Conditional	Optional
<b>Parts-related</b>	3	0	0	15	26	6
<b>Location-related</b>	8	11	1	8	17	3
<b>TOTAL</b>	11	11	1	23	43	9
	23			75		

SPECIFICATION 2000M

1. DATA TO BE PROVIDED FOR ALL ITEMS  
1.1 PARTS RELATED DATA

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------------	---	---------------------------------	--	--

PART NUMBER
NATO SUPPLY CODE FOR MANUFACTURERS
DESCRIPTION FOR PART

IF REASON FOR SELECTION IS GREATER THAN "0"	SPARABLE ITEM DATA SEE SEPARATE SHEETS
---	---

## 1.2 LOCATION RELATED DATA

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------	---	---------------------------	---	-----------------------------------

CATALOGUE SEQUENCE NUMBER
ITEM SEQUENCE NUMBER
INDENTURE
QUANTITY PER NEXT HIGHER ASSEMBLY
TOTAL QUANTITY PER LOCATION
SERVICE
SOURCE MAINTENANCE RECOVERABILITY
REASON FOR SELECTION

IF REASON FOR SELECTION IS GREATER THAN "0"

SPARABLE ITEM DATA SEE SEPARATE SHEETS

IF FILE IDENTIFIER IS S	MODEL VERSION	IF ITEM'S APPLICATION IS RESTRICTED TO A RANGE OF AIRCRAFT/ENGINE	EFFECTIVITY
IF MORE THAN ONE EQUIPMENT VARIANT IS REPRESENTED	USEABLE ON CODE EQUIPMENT		
IF MORE THAN ONE ASSEMBLY VARIANT IS REPRESENTED	USEABLE ON CODE ASSEMBLY		
IF ITEM IS TO BE SELECTED OR MANUFACTURED	SELECT OR MANUFACTURE FROM IDENTIFIER	IF RANGE NEEDS TO BE IDENTIFIED	SELECT OR MANUFACTURE FROM RANGE
WHEN DESCRIPTION SPECIFIC TO LOCATION IS APPLICABLE	DESCRIPTION FOR LOCATION		
IF ITEM DOES NOT APPEAR IN THE ILLUSTRATION	NOT ILLUSTRATED		
WHEN REFERENCE NEEDS TO BE MADE TO AN ITEM'S OTHER LOCATION	REFER TO		
IF ITEM PERFORMS A SPECIAL FUNCTION	ATTACHING, STORAGE OR SHIPPING PART		
IF ITEM IS IDENTIFIED BY A REFERENCE DESIGNATOR	REFERENCE DESIGNATOR		
OPTIONAL DATA	INTEGRATED LOGISTIC SUPPORT NUMBER		

## SPECIFICATION 2000M

### 2. DATA TO BE PROVIDED FOR ITEMS RECOMMENDED AS SPARES

#### 2.1 PARTS RELATED DATA

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
PACKAGING LEVEL CODE				
SPECIAL STORAGE				
SHELF LIFE CODE				
PURCHASING LEAD TIME				
ITEM TYPE				
STANDARD PACKAGE QUANTITY				
ITEM NAME CODE				
PROCUREMENT CODE				
SPARE PARTS CLASSIFICATION	IF SPARE PARTS CLASSIFICATION = 2 OR 6 AND THE ITEM IS SUBJECT TO MEAN TIME BETWEEN FAILURES AND/OR TIME BETWEEN OVERHAULS AND/OR TIME BETWEEN SCHEDULED SHOP VISITS AND/OR CONTRACTOR REPAIR TURNAROUND TIME AND/OR SCRAP RATE	MEAN TIME BETWEEN FAILURES	WHEN MEAN TIME BETWEEN FAILURES IS PRESENT	TIME CYCLE INDICATOR MTBF
		TIME BETWEEN OVERHAULS	WHEN TIME BETWEEN OVERHAULS IS PRESENT	TIME CYCLE INDICATOR TBO
		TIME BETWEEN SCHEDULED SHOP VISITS	WHEN TIME BETWEEN SCHEDULED SHOP VISITS IS PRESENT	TIME CYCLE INDICATOR TBSSV
		CONTRACTOR REPAIR TURNAROUND TIME		
		SCRAP RATE		
NATO SUPPLY CLASS	WHEN NATO STOCK NUMBER HAS BEEN ASSIGNED	NATO ITEM IDENTIFICATION NUMBER		
		REFERENCE NUMBER VARIATION CODE		
		REFERENCE NUMBER CATEGORY CODE		
UNIT OF ISSUE	IF UNIT OF ISSUE IS NON DEFINITIVE	UNIT OF MEASURE		
		QUANTITY PER UNIT OF ISSUE		

2.1 PARTS RELATED DATA (continued)

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
TYPE OF PRICE	IF TYPE OF PRICE NOT 05 OR 07	UNIT PRICE	IF PRICE BREAK APPLIES	PRICE BREAK DATA
		CURRENCY CODE	IF MINIMUM SALES QUANTITY APPLIES	MINIMUM SALES QUANTITY
	IF ITEM IS SUBJECT TO AUTHORIZED LIFE	AUTHORIZED LIFE	WHEN AUTHORIZED LIFE IS PRESENT	TIME CYCLE INDICATOR AL
	IF POTENTIAL MATCH SCREENING RESULT NOT ACCEPTABLE	REFERENCE NUMBER JUSTIFICATION CODE		
	WHEN ITEM REQUIRES CALIBRATION	CALIBRATION MARKER		
	IF ITEM IS HAZARDOUS	HAZARDOUS MATERIAL		
	IF ITEM IS AN ELECTROSTATIC SENSITIVE DEVICE	ELECTROSTATIC SENSITIVE DEVICE		
	IF ITEM NEEDS WORK TO FIT	FITMENT CODE		
	IF ITEM IS SUBJECT TO TOTAL LIFE	TOTAL LIFE		
	IF ITEM IS APPLICABLE TO UK RAF	DOMESTIC MANAGEMENT CODE		
	OPTIONAL DATA	SIZE OF UNPACKAGED UNIT		
		SIZE OF PACKAGED UNIT		
		WEIGHT OF UNPACKAGED UNIT		
		WEIGHT OF PACKAGED UNIT		
		POOL ITEM CANDIDATE		
		PHYSICAL SECURITY/PILFERAGE CODE		

## SPECIFICATION 2000M

### 2.2 LOCATION RELATED DATA

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------------	---	---------------------------------	--	--

IF SMR 4TH CHARACTER = D	MAINTENANCE PERCENT		
IF SMR 4TH CHARACTER = O, F OR D	RECOMMENDED MAINTENANCE QUANTITY		
IF SMR 4TH CHARACTER = D OR L	RECOMMENDED OVERHAUL/REPAIR QUANTITY		
IF INTERCHANGEABILITY CONDITION EXISTS	INTERCHANGEABILITY	IF INTERCHANGEABILITY = 6 (QUALIFIED ICY)	DESCRIPTION FOR LOCATION
WHEN A CAT 1 CONTAINER IS AVAILABLE/REQUIRED	CATEGORY 1 CONTAINER LOCATION		
IF REASON FOR SELECTION = 8	DESCRIPTION FOR LOCATION		
OPTIONAL DATA	ESSENTIALITY CODE		
	CONSUMPTION RATE		

## ANNEX B TO SECTION 1A-3

## PN-ORIENTATED COMPILATION DATA ELEMENT MATRIX

	Mandatory	Conditional	Optional
Parts-related	17	29	6
TOTAL	52		



## SPECIFICATION 2000M

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------------	--	---------------------------------	--	--

PART NUMBER
NATO SUPPLY CODE FOR MANUFACTURERS
DESCRIPTION FOR PART
PACKAGING LEVEL CODE
ITEM NAME CODE
PROCUREMENT CODE
SERVICE
TOTAL QUANTITY
SPECIAL STORAGE
SHELF LIFE CODE
PURCHASING LEAD TIME
ITEM TYPE
STANDARD PACKAGE QUANTITY

UNIT OF ISSUE	IF UNIT OF ISSUE IS NON DEFINITIVE	UNIT OF MEASURE
		QUANTITY PER UNIT OF ISSUE

TYPE OF PRICE	IF TYPE OF PRICE = 01, 02, 03, 04 OR 06	UNIT PRICE	IF PRICE BREAK APPLIES	PRICE BREAK DATA
		CURRENCY CODE	IF MINIMUM SALES QUANTITY APPLIES	MINIMUM SALES QUANTITY

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------------	---	---------------------------------	--	--

SPARE PARTS CLASSIFICATION	IF SPARE PARTS CLASSIFICATION = 2 OR 6 AND THE ITEM IS SUBJECT TO MEAN TIME BETWEEN FAILURES AND/OR TIME BETWEEN OVERHAULS AND/OR TIME BETWEEN SCHEDULED SHOP VISITS AND/OR CONTRACTOR REPAIR TURNAROUND TIME AND/OR SCRAP RATE	MEAN TIME BETWEEN FAILURES	WHEN MEAN TIME BETWEEN FAILURES IS PRESENT	TIME CYCLE INDICATOR MTBF
		TIME BETWEEN OVERHAULS	WHEN TIME BETWEEN OVERHAULS IS PRESENT	TIME CYCLE INDICATOR TBO
		TIME BETWEEN SCHEDULED SHOP VISITS	WHEN TIME BETWEEN SCHEDULED SHOP VISITS IS PRESENT	TIME CYCLE INDICATOR TBSSV
		CONTRACTOR REPAIR TURNAROUND TIME		
		SCRAP RATE		
NATO SUPPLY CLASS	WHEN NATO STOCK NUMBER HAS BEEN ASSIGNED	NATO ITEM IDENTIFICATION NUMBER		
REFERENCE NUMBER VARIATION CODE				
REFERENCE NUMBER CATEGORY CODE				
	WHEN ITEM REQUIRES CALIBRATION	CALIBRATION MARKER		
	PROVIDED ACCORDING TO CUSTOMERS MAINTENANCE POLICY	RECOMMENDED MAINTENANCE QUANTITY		
		RECOMMENDED OVERHAUL/ REPAIR QUANTITY		
	WHEN A CAT 1 CONTAINER IS AVAILABLE/REQUIRED	CATEGORY 1 CONTAINER IDENTIFICATION		
	IF ITEM IS SUBJECT TO AUTHORIZED LIFE	AUTHORIZED LIFE	WHEN AUTHORIZED LIFE IS PRESENT	TIME CYCLE INDICATOR AL
	IF POTENTIAL MATCH SCREENING RESULT NOT ACCEPTABLE	REFERENCE NUMBER JUSTIFICATION CODE		
	IF ITEM IS HAZARDOUS	HAZARDOUS MATERIAL		

## SPECIFICATION 2000M

MANDATORY DATA ELEMENTS	QUALIFICATION FOR CONDITIONAL DATA ELEMENTS	CONDITIONAL DATA ELEMENTS	QUALIFICATION FOR FURTHER CONDITIONAL DATA ELEMENTS	FURTHER CONDITIONAL DATA ELEMENTS
-------------------------------	---	---------------------------------	--	--

IF ITEM IS AN ELECTROSTATIC SENSITIVE DEVICE	ELECTROSTATIC SENSITIVE DEVICE
IF ITEM NEEDS WORK TO FIT	FITMENT CODE
IF ITEM IS SUBJECT TO TOTAL LIFE	TOTAL LIFE
IF ITEM IS APPLICABLE TO UK RAF	DOMESTIC MANAGEMENT CODE

OPTIONAL DATA	SIZE OF UN- PACKAGED UNIT
	SIZE OF PACKAGED UNIT
	WEIGHT OF UN- PACKAGED UNIT
	WEIGHT OF PACKAGED UNIT
	POOL ITEM CANDIDATE
	PHYSICAL SECURITY / PILFERAGE CODE

SECTION 1A-4

PREPARATION OF INITIAL PROVISIONING LISTS

CONTENTS

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## PREPARATION OF INITIAL PROVISIONING LISTS

### 1. PURPOSE

This Section describes how the Contractor will present to the Customer the technical and procurement information needed for Initial Provisioning and the preparation of an Illustrated Parts Catalogues (IPCs).

This Section must be read in conjunction with the instructions for the preparation of Illustrated Parts Catalogues which is Chapter 1C of this specification.

### 2. THE INITIAL PROVISIONING LIST (IPL)

2.1 The IPL is the formal document for the transfer of data between the Contractor and the Customer. It can be presented as a hardcopy list or by electronic means. Each IPL is prepared in three stages:

- **Draft** The initial issue of the IPL provided by the Contractor to the Customer and the Codification Agency (see Section 1A-2 and Chapter 1B) in advance of the Pre-Assessment Meeting (PAM).
- **Formal** A hardcopy IPL provided by the Contractor at the PAM which incorporates, where available, the results of the Codification process, agreed observations and Customer generated data.
- **Master** The final issue of the IPL incorporating the results of the PAM and the Codification Process, used by the Customer both for quantification and generating his own IP data base.  
Master IPL data are the basis for the IPC. Once a Master IPL has been issued, it can only be changed by the updating procedure (see Section 1A-6).

2.2 The layout of a hardcopy IPL is described at Annex A. Normally only the Formal IPL is presented in this form.

This layout is used in the initial presentation (Section 1A-2, step 4.9) as well as in the updating process (Section 1A-2, step F5).

2.3 Where IPL data is transferred between Contractor and Customer by electronic means (normally the Draft and Master IPL), the data is to be grouped for transmission in accordance with Section 1A-7.

### 3. IPL DATA ELEMENT MATRIX

3.1 The instructions on the compilation of data (see Section 1A-3) specify at paragraph 3 the requirements for specific relationships between data elements. The IPL Data Element Matrix at Annex B further details when each data element must be presented as part of the overall IP process.

## SPECIFICATION 2000M

- 3.2 The matrix identifies by IPL issue standard whether a data element is Mandatory, Conditional or Optional. The conditions which govern the application of Conditional data elements are given in detail in Section 1A-3.
- 3.3 In addition to the data elements printed in the hardcopy IPL (see paragraph 2.2) the matrix also identifies data elements which are only transferred between Contractor and Customer by electronic means (see paragraph 2.3).

### 4. CONVERSION OF CODED DATA INTO HARDCOPY IPL

- 4.1 Throughout the Compilation Instructions there are certain data conditions which call for the inclusion of specific phrases into DFP or DFL, e.g. "Repair Part" or "Programmed PROM". Because these are held in their respective description fields, when the IPL is produced they will automatically be presented and therefore they need no further consideration for processing.
- 4.2 In the construction of the description block of the IPL, the contents of the DFP should appear first followed by the contents of the DFL followed by supplementary information. DFL and supplementary information are given in brackets. Different types of information within the brackets are separated by oblique stroke (/). There are no brackets between DFL and supplementary information. The supplementary information is to be presented in the description block in the same sequence as paragraphs 4.3.1 to 4.3.11.
- 4.3 The supplementary information is derived by processing the codes of various data elements. Where a data element is in bold type, i.e. "**CICL**", this indicates that the literal contents of this data field are to be used.

#### 4.3.1 Change Authority Number (CAN)

When filled add "Mod**CAN**" to the description block of the new item. The Customer and Contractor have to decide which types of CAN are presented in this manner.

#### 4.3.2 Integrated Logistic Support Number (ILSN)

When filled add "**ILSN**" to the description block.

#### 4.3.3 Attaching, Storage or Shipping Part (ASSP)

Code "1"	-	Insert "*" in ASSP field
Code "2"	-	Add "Storage Part" to description block
Code "3"	-	Add "Shipping Part" to description block

#### 4.3.4 Calibration Marker (CM)

Code "1" - Add "Calibration required" to description block

#### 4.3.5 Category 1 Container Identification (CICI)

When filled add "Container see **CICI**" to the description block. (Required in PN orientated process only)

#### 4.3.6 Category 1 Container Location (CICL)

When filled add "Container see **CICL**" to the description block.

#### 4.3.7 Fitment Code (FC)

- Print FC in its own data field
- Add the following to the description block, if  
FC of "1" add "Minor Fitting required"  
FC of "M" add "Major Fitting required"

#### 4.3.8 Refer to (RT)

- Print **RT** in the RT field
- When the contents of the RT do not begin with "IPPN" then add "Refer to **RT**" in the description block
- When the contents of the RT do begin with "IPPN" then add to the description block "Refer to separate IPL, **IPPN**"

#### 4.3.9 Select or Manufacture from Range (SMFR)

When this data element is filled then the SMFI must also be filled. The supplementary information is dependent upon what is contained in the SMFI.

Print the following in the description block, if

- SMFI of "T" print "Select on Test from **SMFR**"
- SMFI of "M" print "Manufacture from **SMFR**"
- SMFI of "R" print "Rework from **SMFR**"
- SMFI of "P" print "Repair from **SMFR**"

#### 4.3.10 Select or Manufacture from Identifier (SMFI)

- Print the SMFI in the SMFI-field
- When SMFI of "F" print "Select on Fit" in the description block
- When SMFI of "T" and SMFR is blank print "Select on Test" in description block

#### 4.3.11 Unit of Measure (UM) and Quantity per Unit of Issue (QPUI)

- Print UM and QPUI in their own data fields
- Add to the description block "Supplied in **QPUI UM**"



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4.4 The following data elements also require special processing and should be presented in the IPL according to the instructions given below.

### **4.4.1 Indenture (I)**

Print the actual number in the Indenture field. Do not step the description block!

### **4.4.2 Price Break Data (PBD)**

The format of hardcopy print is to have 25 digits in each set of Price Break information showing: a hyphen between "From" quantity and "To" quantity; an equals sign between "To" quantity and Unit Price; and a decimal point and two decimal places within "Unit Price". The three sets of Price Break information are to be separated by semicolons. Sets with values of zero are not to be printed. (see Appendix 1)

### **4.4.3 Reference Designator (RD)**

Print RDs in the field allocated. If there are more than two RDs, these shall be listed vertically in pairs in as many lines as are required.

**ANNEX A TO SECTION 1A-4**

**INITIAL PROVISIONING LISTS (IPL) - LAYOUT**

## **SPECIFICATION 2000M**

1. The layout of an IPL does not differ between the CSN-orientated and PN-orientated process. Only the number of data elements required differs.
2. The number of data elements required also differs between the three Issue Standards of an IPL - Draft, Formal, Master (see Annex B).
3. Each IPL starts with a cover sheet (see page 10) that consists of three parts:
  - **Part One : Header**
  - **Part Two : IPL Data Element Grouping**
  - **Part Three : List of Data Element Abbreviations**

### **3.1 Part One: The Header**

Identifies the subject of the IPL and provides related basic information, in particular

- the ISSUE which is identified by the letter "P" (PN-orientated Procedure) or "C" (CSN-orientated Procedure) as the first character and the Issue Standard.
- The DATA RELEASE DATE. For the Formal IPL this date is assigned by the Contractor.
- the SORT  
In general, a CSN-orientated list is sorted in CSN sequence and a PN- orientated list in Part Number sequence. However, any sort is allowed - for example "NSN"  
- but this must be identified on the header.

### **3.2 Part Two: The IPL Data Element Grouping**

Identifies the position of each data element on the IPL. Wherever possible, the abbreviation is taken from the Data Dictionary, but in some cases the spaces provided on the IPL do not allow its use and a shortened version is introduced.

### **3.3 Part Three: The List of Data Element Abbreviations**

Allows for the easy identification of a data element on the IPL without the necessity to consult the Data Dictionary. In addition, it provides the cross reference between a shortened abbreviation and the data element name.

4. Following the cover sheet, the actual IPL data is provided. For examples see page 11 (CSN-orientated IPL) and page 12 (PN-orientated IPL).

The space required to list:

- all Reference Designators
- the full Description
- all Services and their related SMR code and Quantities

may differ from case to case.

The maximum number of lines required per line entry is determined by the maximum space required for the above mentioned data elements.

An ISN record may not be carried over from one page to another.

Page 10 (1A-4A)  
October 1997

### CSN ORIENTATED IPL

[illegible]

[illegible]

**ANNEX B TO SECTION 1A-4**

**IPL DATA ELEMENT MATRIX**

The IPL Data Element Matrix specifies the requirement for a data element in the various issue standards of an IPL. It differentiates between the CSN- and PN-orientated IP processes and within each process between Draft, Formal and Master Issues.

In the CSN-orientated process it further differentiates between data element requirements for spares and non spares.

In the PN-orientated process this last differentiation is not required because here only spares are to be listed.

The matrix is divided into two parts:

Part 1 contains the project related data which is contained in the IPL message transmission. It also identifies that data which appears in the IPL print header.

Part 2 shows item related data elements.



<b>ABBREVIATIONS</b>	
<b>HEADLINE ABBREVIATIONS</b>	<b>DATA SET ESSENTIALITIES</b>
ABBR = ABBREVIATION	C = CONDITIONAL
CSN = CATALOGUE SEQUENCE NUMBER	M = MANDATORY
D = DRAFT	O = OPTIONAL
DD = DATA DICTIONARY	A = PROVIDED IF AVAILABLE
F = FORMAL	– = NOT APPLICABLE
IP = INITIAL PROVISIONING	
M = MASTER	
NS = NON SPARE	
PN = PART NUMBER	
S = SPARE	

Note: See Section 1A-3, para 3 for Business Essentialities

## IPL DATA ELEMENT MATRIX

## PART 1 - PROJECT RELATED DATA

DATA ELEMENT	ABBR IN DD	CSN ORIENTATED IP			PN ORIENTATED IP			REMARKS
		DRAFT	FORMAL	MASTER	D	F	M	
ADDRESSEE	A	M	-	M	M	-	M	TRANSMISSION ONLY
CHANGE AUTHORITY NUMBER	CAN	C	C	C	C	C	C	HEADER INFORMATION IF NECESSARY. (TAKEN FROM MAS SEGMENT)
CHANGE CODE	CHG	M	-	M	M	-	M	TRANSMISSION ONLY
DATA RELEASE DATE	DRD	M	M	M	M	M	M	HEADER INFORMATION
DATA RELEASE SEQUENCE NUMBER	DRSN	M	-	M	M	-	M	TRANSMISSION ONLY
FILE IDENTIFIER	FI	M	-	M	M	-	M	TRANSMISSION ONLY
ILLUSTRATION AFFECTED INDICATOR	IAI	C	C	C	-	-	-	HEADER INFORMATION, UPDATE MESSAGE ONLY (TAKEN FROM MAS SEGMENT)
INITIAL PROVISIONING PROJECT NUMBER	IPPN	M	M	M	M	M	M	HEADER INFORMATION
IPPN SUBJECT	IPPNS	M	M	M	M	M	M	HEADER INFORMATION
ISSUE STANDARD	IS	M	M	M	M	M	M	HEADER INFORMATION
LANGUAGE CODE	LC	M	-	M	M	-	M	TRANSMISSION ONLY
MESSAGE TYPE	MT	M	-	M	M	-	M	TRANSMISSION ONLY
MODEL IDENTIFICATION	MI	M	M	M	M	M	M	HEADER INFORMATION
OBSERVATION	OBS	C	-	C	C	-	C	IF NECESSARY, TRANSMISSION ONLY
OBSERVATION SEQUENCE NUMBER	OSN	C	-	C	C	-	C	IF NECESSARY, TRANSMISSION ONLY
SUBJECT IDENTIFICATION	SI	M	M	M	M	M	M	HEADER INFORMATION
SUBJECT NATO STOCK NUMBER	SNSN	C	-	C	C	-	C	TRANSMISSION ONLY
TRANSMITTER OF DATA	TOD	M	M	M	M	M	M	HEADER INFORMATION

## IPL DATA ELEMENT MATRIX

## PART 2 - ITEM RELATED DATA

DATA ELEMENT	ABBR	CSN ORIENTATED IP						PN ORIENTATED IP			REMARKS
		D	D	F	F	M	M	D	F	M	
ATTACHING STORAGE OR SHIPPING PART	ASSP	C	C	C	C	C	C	-	-	-	IF APPROPRIATE, PROVIDED IN DESCRIPTION BLOCK IF APPROPRIATE, PROVIDED IN DESCRIPTION BLOCK PROVIDED IN DESCRIPTION BLOCK UPDATE MESSAGE ONLY (TAKEN FROM CGS SEGMENT)
AUTHORIZED LIFE	AL	C	-	-	-	-	-	-	-	-	
CALIBRATION MARKER	CM	C	-	-	-	-	-	-	-	-	
CATALOGUE SEQUENCE NUMBER	CSN	M	-	M	M	M	-	-	-	-	
CATEGORY 1 CONTAINER IDENTIFICATION	CICI	-	-	-	-	-	-	-	-	-	
CATEGORY 1 CONTAINER LOCATION	CICL	C	-	C	C	C	C	-	-	-	
CHANGE AUTHORITY NUMBER	CAN	C	C	C	C	C	C	-	-	-	
CONSUMPTION RATE	CR	O	-	-	-	-	-	-	-	-	
CONTRACTOR REPAIR TURNAROUND TIME	CRTT	C	-	-	-	-	-	-	-	-	
CURRENCY CODE	CC	A	-	-	-	-	-	-	-	-	
DESCRIPTION FOR LOCATION	DFL	C	C	C	C	C	C	-	-	-	UPDATE MESSAGE ONLY (TAKEN FROM CGS SEGMENT)
DESCRIPTION FOR PART	DFP	M	C	M	M	M	-	-	-	-	
DOMESTIC MANAGEMENT CODE	DMC	A	-	C	C	C	-	-	-	-	
EFFECTIVITY	E	C	-	C	C	C	C	-	-	-	
ELECTROSTATIC SENSITIVE DEVICE	ESD	C	-	C	C	C	C	-	-	-	
ESSENTIALITY CODE	EC	O	-	O	C	O	-	-	-	-	
FITMENT CODE	FC	C	-	C	C	C	C	-	-	-	
HAZARDOUS MATERIAL	HM	C	-	C	C	C	C	-	-	-	
ILLUSTRATION AFFECTED INDICATOR	IAI	C	-	C	C	C	C	-	-	-	
INDENTURE	I	M	O	-	-	-	-	-	-	-	
INTEGRATED LOGISTIC SUPPORT NUMBER	ILSN	O	O	-	-	-	-	-	-	-	PROVIDED IN DESCRIPTION BLOCK
INTERCHANGEABILITY	ICY	C	-	-	-	-	-	-	-	-	
ITEM NAME CODE	INC	M	-	M	M	M	-	-	-	-	
ITEM SEQUENCE NUMBER	ISN	M	-	M	M	M	-	-	-	-	
ITEM TYPE	ITY	M	-	M	M	M	-	-	-	-	
MAINTENANCE PERCENT	MP	C	-	C	C	C	C	-	-	-	
MEAN TIME BETWEEN FAILURES	MTBF	C	-	C	C	C	C	-	-	-	
MINIMUM SALES QUANTITY	MSQ	A	-	-	-	-	-	-	-	-	

## IPL DATA ELEMENT MATRIX

## PART 2 - ITEM RELATED DATA

DATA ELEMENT	ABBR	CSN ORIENTATED IP						PN ORIENTATED IP			REMARKS
		D	D	F	F	S	M	D	F	M	
MODEL VERSION	MV	C	C	C	C	C	C	-	-	-	SEE NSC AND NIIN IF RETURNED BY NCB  TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
NATO STOCK NUMBER	NSN	C	C	C	C	C	C	-	-	-	
NATO SUPPLY CLASS	NSC	M	A	M	M	C	C	-	-	-	
NATO IDENTIFICATION NUMBER	NIIN	C	C	C	C	C	C	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
NATO SUPPLY CODE FOR MANUFACTURERS	NSCM	M	C	C	C	C	C	-	-	-	
NOT ILLUSTRATED	NI	C	C	C	C	C	C	-	-	-	
PACKAGING LEVEL CODE	PLC	C	C	C	C	C	C	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
PART NUMBER	PN	M	O	O	O	O	O	-	-	-	
PHYSICAL SECURITY/PILFERAGE CODE	PSPC	O	O	O	O	O	O	-	-	-	
POOL ITEM CANDIDATE	PIC	A	M	M	M	M	M	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
PRICE BREAK DATA	PBD	M	M	M	M	M	M	-	-	-	
PROCUREMENT CODE	PCD	M	M	M	M	M	M	-	-	-	
PURCHASING LEAD TIME	PLT	M	M	M	M	M	M	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
QUANTITY PER NEXT HIGHER ASSEMBLY	QPNHA	M	M	M	M	M	M	-	-	-	
QUANTITY PER UNIT OF ISSUE	QPUI	C	C	C	C	C	C	-	-	-	
REASON FOR SELECTION	RFS	C	C	C	C	C	C	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
RECOMMENDED MAINTENANCE QUANTITY	RMQ	C	C	C	C	C	C	-	-	-	
RECOMMENDED OVERHAUL REPAIR QUANTITY	ROQ	C	C	C	C	C	C	-	-	-	
REFER TO	RT	C	C	C	C	C	C	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
REFERENCE DESIGNATOR	RD	C	C	C	C	C	C	-	-	-	
REFERENCE NUMBER CATEGORY CODE	RNCC	A	A	A	A	A	A	-	-	-	
REFERENCE NUMBER JUSTIFICATION CODE	RNJC	A	A	A	A	A	A	-	-	-	TO BE PROVIDED IN DRAFT IF CAT 1 CONTAINER EXISTS
REFERENCE NUMBER VARIATION CODE	RNVC	A	A	A	A	A	A	-	-	-	
SCRAP RATE	SR	C	C	C	C	C	C	-	-	-	
SELECT OR MANUFACTURE FROM	SMFI	C	C	C	C	C	C	-	-	-	PROVIDED IN DESCRIPTION BLOCK
IDENTIFIER		C	C	C	C	C	C	-	-	-	
SELECT OR MANUFACTURE FROM RANGE	SMFR	C	C	C	C	C	C	-	-	-	
SERVICE	S	M	M	M	M	M	M	-	-	-	

IPL DATA ELEMENT MATRIX  
PART 2 - ITEM RELATED DATA

DATA ELEMENT	ABBR IN DD	CSN ORIENTATED IP						PN ORIENTATED IP			REMARKS
		D	D	F	F	M	M	D	F	M	
		S	NS	S	NS	S	NS				
SHELF LIFE CODE	SLC	A	-	-	-	-	-	-	-	-	
SIZE OF PACKAGED UNIT	SPU	O	-	-	-	O	O	O	O	O	
SIZE OF UNPACKAGED UNIT	SUU	O	-	-	-	O	O	O	O	O	
SOURCE MAINTENANCE RECOVERABILITY	SMR	M	-	-	-	M	M	M	M	M	
SPARE PARTS CLASSIFICATION	SPC	M	-	-	-	M	M	M	M	M	
SPECIAL STORAGE	SS	M	-	-	-	M	M	M	M	M	
STANDARD PACKAGE QUANTITY	SPQ	M	-	-	-	M	M	M	M	M	
TIME BETWEEN OVERHAULS	TBO	C	-	-	-	C	C	C	C	C	
TIME BETWEEN SCHEDULED SHOP VISITS	TBSSV	C	-	-	-	C	C	C	C	C	
TIME/CYCLE INDICATOR/AL	TCIAL	C	-	-	-	C	C	C	C	C	
TIME/CYCLE INDICATOR/MTBF	TCIBF	C	-	-	-	C	C	C	C	C	
TIME/CYCLE INDICATOR/TBO	TCIBO	C	-	-	-	C	C	C	C	C	
TIME/CYCLE INDICATOR/TBSSV	TCISV	C	-	-	-	C	C	C	C	C	
TOTAL LIFE	TL	C	-	-	-	C	C	C	C	C	
TOTAL QUANTITY	TQ	-	-	-	-	-	-	-	-	-	
TOTAL QUANTITY PER LOCATION	TQPL	M	-	-	-	M	M	M	M	M	
TYPE OF PRICE	TOP	A	-	-	-	A	A	A	A	A	
UNIT OF ISSUE	UI	M	-	-	-	M	M	M	M	M	
UNIT OF MEASURE	UM	C	-	-	-	C	C	C	C	C	
UNIT PRICE	UP	A	-	-	-	A	A	A	A	A	
USABLE ON CODE ASSEMBLY	UOCA	C	-	-	-	C	C	C	C	C	
USABLE ON CODE EQUIPMENT	UOCE	C	-	-	-	C	C	C	C	C	
WEIGHT OF PACKAGED UNIT	WPU	O	-	-	-	O	O	O	O	O	
WEIGHT OF UNPACKAGED UNIT	WUU	O	-	-	-	O	O	O	O	O	

**SECTION 1A-5**  
**PREPARATION OF ILLUSTRATIONS**  
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**SPECIFICATION 2000M**

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## **1. GENERAL**

The illustrations used firstly to support the Initial Provisioning List (IPL) and subsequently for inclusion in the Illustrated Parts Catalogue (IPC) are identified as "Figures". The purpose of these Figures is to clearly depict, in the same order of disassembly, the detailed parts contained in the IPL.

If one page is insufficient for the presentation of an assembly, a Figure may be spread over several pages.

The specifications given in this Section are designed to provide an adequate illustration for the Initial Provisioning (IP) and for all forms of IPC.

## **2. MODE OF PRESENTATION**

The use of colour is not normally allowed.

For ease of reading and cross-reference, the layout for the IPL/IPC illustrations is portrait.

Where the disassembly order of detail parts of items can be properly identified from the plan view representation of a production drawing, that representation should also be used as the main view in the illustration. This form of illustration may be applicable to items such as hose assemblies, control rods, clamps, circuit boards, and various AGE. (See Figures 5, 6, 7 and 8).

Each illustration must present its subject in a view which is most favourable for the reader's understanding.

Preference should be given to exploded views with isometric projection, so that an illustration can be used in an IPL/IPC to identify a spare part.

If a detail part can be properly identified in an overall view, the illustration of that part need not be exploded. (See Figure 2 Items 2 and 9).

The exact representation of details such as screw threads and head styles is unnecessary.

If several identical detail parts are used in the same assembly, only one of them need be illustrated if all can be positively allocated to their respective installation locations.

Wiring diagrams and other similar diagrams using symbols are acceptable as illustrations if they provide for the proper identification of the detail parts.



### 3. GENERAL SYMBOLS AND USE OF STANDARD SYMBOLS

Generally, ISO Standards shall apply. Projects, however, may specify additional standards.

General Symbols for illustrations (eg arrows) shall be prepared according to the rules in Figure 1 and examples shown on Figures 4, 9, 10 and 11.

### 4. TYPE OF ILLUSTRATIONS

Normally, illustrations should be prepared as line drawings. Subject to the agreement of the Customer, photographs may be used in an IPC providing the proper identification of detail parts is possible.

The line drawings should be used in isometric projection (30°/30°, ellipse 35°).

### 5. FORMAT, LINE WEIGHTS, TYPEFACE, TYPE SIZES

The formal dimensions of the illustration reproduction area of an IPC are given in Figure 1.

Line weights and type sizes are to be in accordance with the standards specified in Figure 1.

The distance between two lines must at least be equal to the sum of thickness of these lines.

### 6. FIGURE TITLE AND NUMBER

Each Figure should be assigned a title. This title should be identical with the Description for Part given against Item Number "0" (zero) of the Figure as it appears in the IPL/IPC.

The figure number, followed by the title, shall be centered at the bottom of the page, outside the reproduction area. If an assembly requires several illustration sheets, the note "(Sheet ... of ...)" shall be added. Figure number, title and note shall not exceed two lines.

### 7. ILLUSTRATION CONTROL NUMBER

Each illustration shall be allocated an Illustration Control Number (ICN), for details see Data Dictionary, Appendix 1 (TBD).

If specified to appear on the illustration, the ICN shall be located within the lower right-hand corner of the reproduction area for Tech Pub illustrations and within the left-hand corner outside of the reproduction area for IPL/IPC illustrations.

The ICN is the address of an illustration and it is used to establish the relation of this illustration to the Figure(s) or one or more data modules.

The ICN defines an illustration including its update status independently of the status of a data module or publication where it is used as a Figure.

## **8. LOCATION DRAWINGS**

A general location drawing should be shown on the first illustration page of a Figure and, if possible, in the upper left corner of the illustration.

The location drawing should show the position of the illustrated equipment or assembly relative to the aircraft, part of the aircraft or equipment to which it is fitted (see Figures 2 and 11). The view drawn must be that most favourable for the illustration and must show the direction of view depicted in the main illustration. Airframe location drawings may also be supplemented to show station and frame areas (see Figures 2 and 9).

In the location drawing, the part being located can be highlighted by darkened outlines, or be shown in solid black or shaded. Schematically drawn parts within a location drawing (eg control parts such as bellcranks, torque tube assemblies etc) should be provided with references in the form of arrowheads and letters if detail drawings are required (see Figures 4, 9, 10 and 11).

Location drawings are not required where a part can be positively allocated to its location in the main illustration (see Figure 3).

## **9. REFERENCE ILLUSTRATIONS**

Items not part of the breakdown listed in the text for a Figure, but which must be illustrated to show the relationship between assemblies and detail parts, should be indicated by thin lines without Item Numbers and Reference Lines (see Figure 9 detail between Items 28 and 29).

## **10. ITEM NUMBERS AND REFERENCE LINES**

Where feasible, each item of a breakdown is to be illustrated and provided with an Item Number and Reference Line.

Item Numbers should be shown in a manner to permit the easy tracing of a spare part.

Reference Lines are to be as short as possible and, in the case of smaller parts, touch their outer edge.

Unless unavoidable, reference lines should not intersect or touch the outlines of other parts.

Reference lines must be "laid-free" as a minimum on one side of the line at the intersection with other geometry.

## SPECIFICATION 2000M

The number of locations shown in the illustration must correspond with the Quantity Per Next Higher Assembly indicated in the text for the item. This requirement can be achieved by the following methods:

- By illustrating and separately referencing the different locations of an item (see Figure 9 Item 26).
- By the number of reference lines (more than one reference line pointing to the same Item Number) (see Figure 9 Item 28).
- By the number of identical key characters (Letters) if a detail illustration applies to more than one location (see para 12 and Figure 9, Item A).
- By using the multiplier "x" after the Item Number followed by the appropriate quantity. This procedure is permissible only if all locations cannot be shown (see Figure 9 Item 4) or where, for practical and economic reasons, it is desirable to omit additional reference lines (eg where installation locations are clearly identifiable but the extensive use of additional information such as repetitive Item Numbers, detail illustrations, etc. would make an illustration unnecessarily difficult to read) (see Figure 11 Items 3 to 7 inclusive).

### 11. CENTRE LINES, PROJECTION LINES

Projection Lines and Centre Lines in an illustration are to be used to indicate how detail parts and assemblies match.

The Projection Line must be routed through at least one hole or to a prominent reference point of the detail part of assembly (see Figure 2 Item 13).

Projection and centre lines must be "laid-free" as a minimum on one side of the line at the intersection with other geometry.

The Centre Line will represent the imaginary line through the centre of an item or assembly (see Figure 9, Sheet 2).

Projection and Centre Lines should be angled off only when this is unavoidable (see Figure 3, Items 5 and 9).

### 12. ILLUSTRATION OF VIEW, DETAILS AND SECTIONS

If detail parts are shown separately in an illustration, the respective location on the main illustration will be identified by an arrow and capital letter (see Figure 9, Items A, B and C).

The allocation of the capital letter is necessary where the "assembled items" cannot be shown in the main illustration (either they have a single collective Part Number, and therefore attract an Item Number, or not).

Away from the main body of the illustration, the separate detail parts will be shown enlarged. If required, a bracket can be applied to the detail parts.

If, in accordance with paragraph 8, a location drawing refers out by means of an arrowhead and capital letter to a detailed illustration of an assembly, and that assembly also has its own Part Number and therefore an Item Number, both the capital letter and the Item Number will appear (see Figure 10 Item A/25).

In case of a capital letter being allocated, this will be entered close to the detail parts or bracket (see Figure 9, Item A and B). Item Numbers will be shown in accordance with paragraph 10 with the reference line starting at the bracket (see Figure 9, Item C/5).

If several separate detail part illustrations are necessary within the same Figure, they must be initially identified on the first page of the Figure i.e. in the main illustration. The detail part illustrations may then appear on additional pages, if necessary.

If the direction or view of a detail parts illustration differs from that of the main illustration, this should be indicated by direction indicators pointing in the direction from which the detail parts illustration is seen and, where applicable, by stating the rotation angle (see Figure 11).

### **13. IDENTIFICATION OF ELECTRICAL AND ELECTRONIC COMPONENTS**

Illustrated electrical and electronic components should be annotated with their respective Reference Designators. If this annotation would make an illustration difficult to read because of the congestion of annotations, an illustration may be repeated on several pages, each identifying a different range of the total number of components (see Figure 12).

Components with Reference Designators can be illustrated in plan or isometric views. In an isometric view the Reference Designator should be positioned near to the item number of the relevant component.

If the illustrated size of components is insufficient for each to be annotated, the Reference Designators may be assigned to the components by the use of reference lines or by arranging them beside the component in such a way that their relationship to the component is clearly recognizable (see Figure 11).

The use of Reference Designators does not replace the need for Item Numbers.

### **14. MIRRORED ITEMS**

Whenever there are mirrored parts, normally only the left/ top/forward part should be illustrated.

A deviation from this rule is permitted if the mirrored parts differ in detail or, if for evaluation, it is preferable to illustrate another part e.g. a right hand part.

## **SPECIFICATION 2000M**

Appropriate references to the detail parts of a mirrored item, such as "LH only", "RH only", "LH shown", "RH shown", may be included in the illustration to clarify mirrored/similar configurations.

### **15. ILLUSTRATIONS OF DIFFERENT CONFIGURATIONS**

Illustrated configuration deviations must record the appropriate Useable On Code or the Effectivity next to the detail part(s) concerned (see Figure 4).

### **16. ITEM TABULATION**

In cases where there are visually similar components at a number of different locations within one Figure, it is permissible to illustrate them only once. Their locations and Item Numbers may be indicated by multi-tier indexing or tabulation on the illustration (see Figure 10).

### **17. ATTACHING PARTS**

If a number of identical attaching parts are used for a detail part or assembly, the installation locations of all attaching parts should be identified in accordance with paragraph 10.

If the order of sequence of the attaching parts cannot be discerned from the illustration - but is absolutely necessary for comprehension - a breakdown example in the sequence of removal must be given.

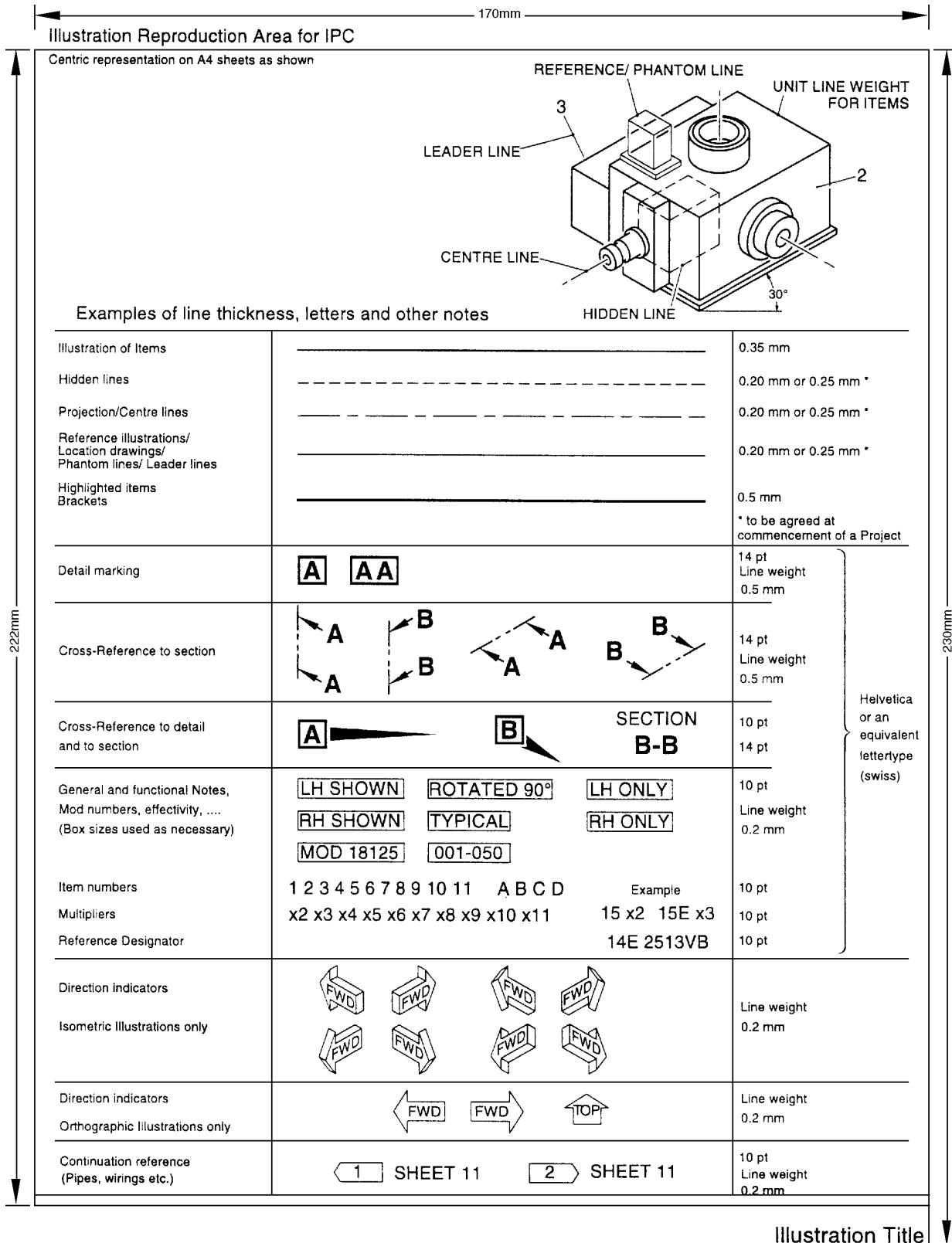
Where identical attaching parts are fitted at several locations but the orientation differs, the illustrations are to be annotated to show the correct orientation at each fitment point.

Plate nuts should not be illustrated, but their location must be indicated by the bore and rivet holes on the respective component.

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(Sheet 2 of 3) .....	24
(Sheet 3 of 3) .....	25

# SPECIFICATION 2000M



**FIGURE 1 SHEET 1 of 2**

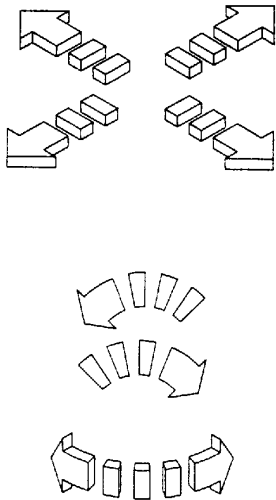
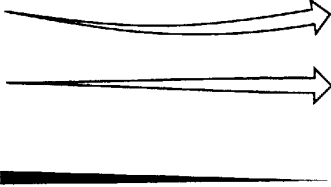
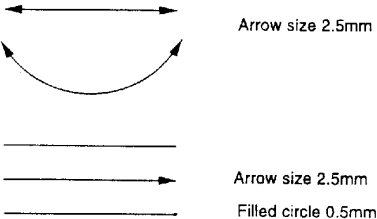

<p>Motion Tech Pub only</p>		<p>Line weight 0,2 mm</p>
<p>Extraction of a component from an assembly</p>		<p>Line weight 0,35 mm</p>
<p>Dimension arrows  Leader lines</p>		<p>Line weight 0,2 mm</p>
<p>Brackets</p>		<p>Line weight 0,5 mm</p>

FIGURE 1 SHEET 2 of 2



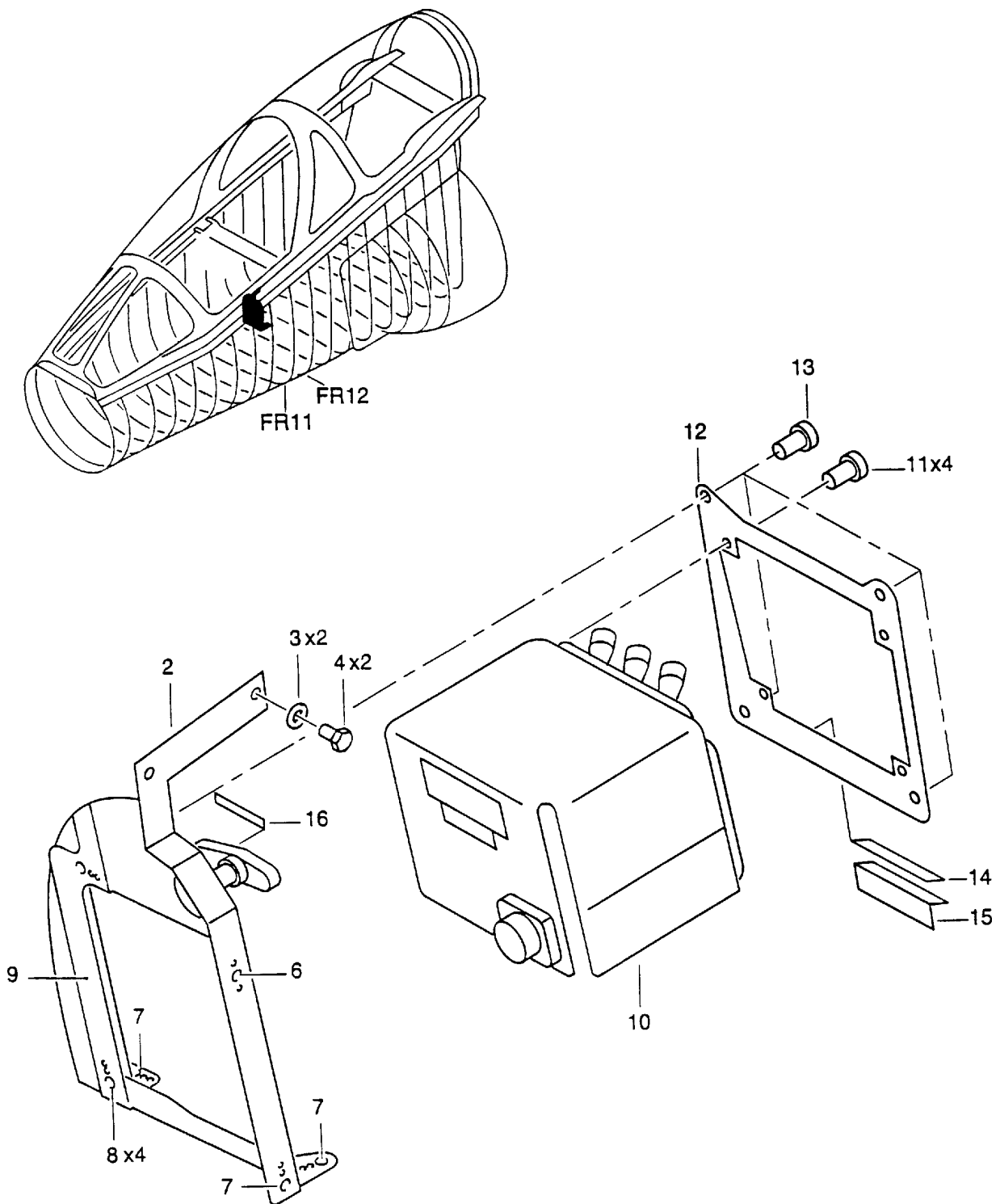


FIGURE 2

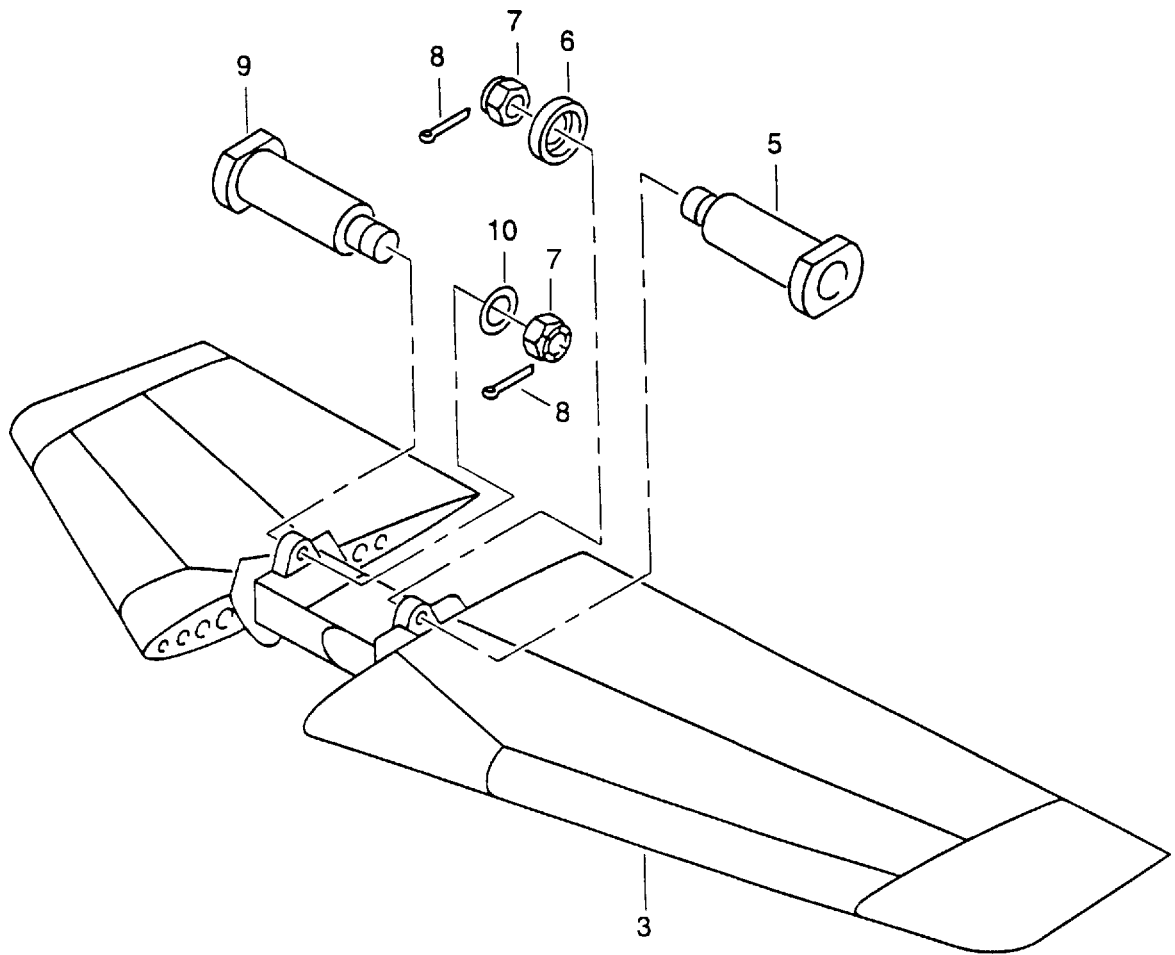


FIGURE 3

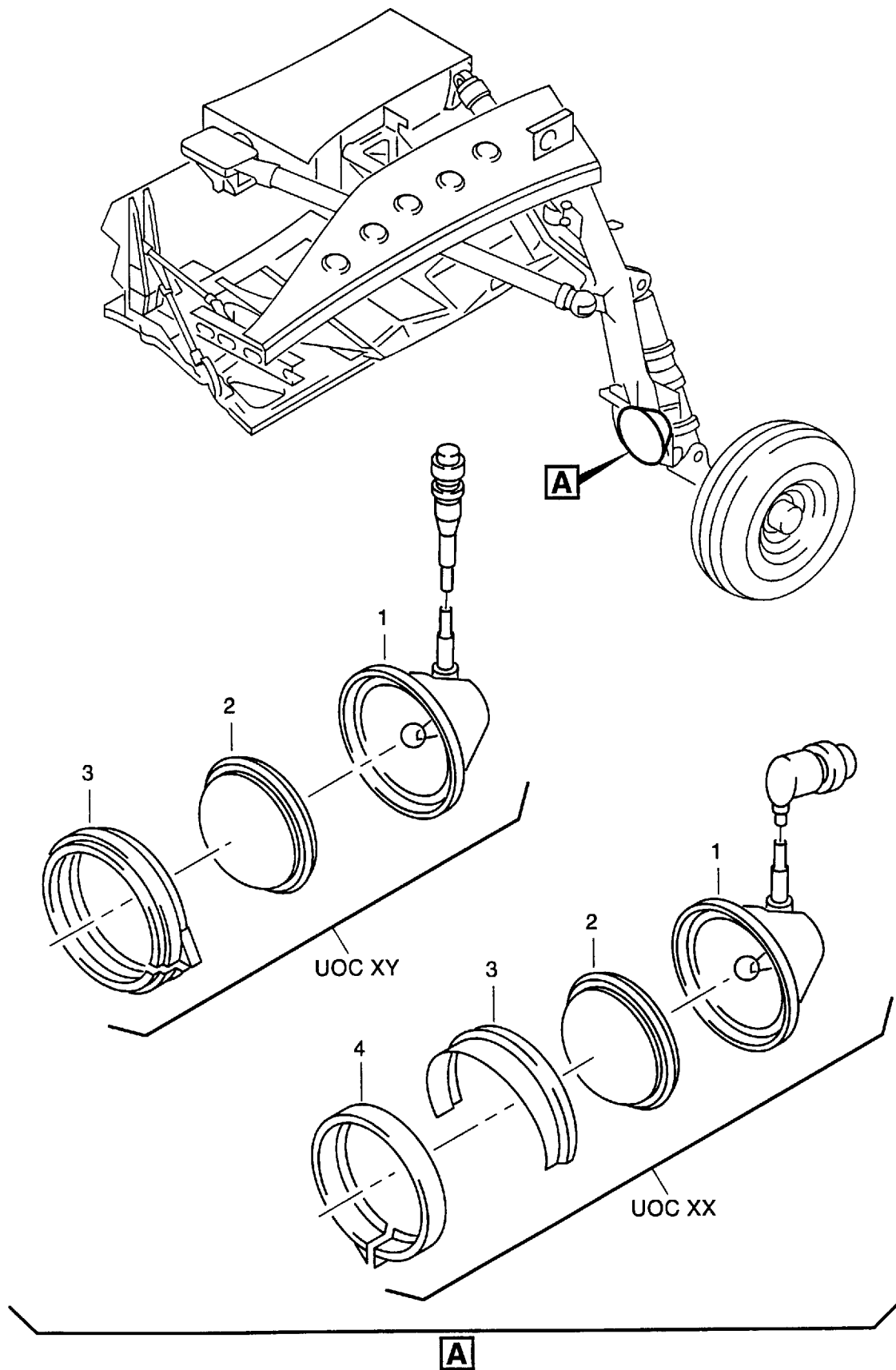


FIGURE 4

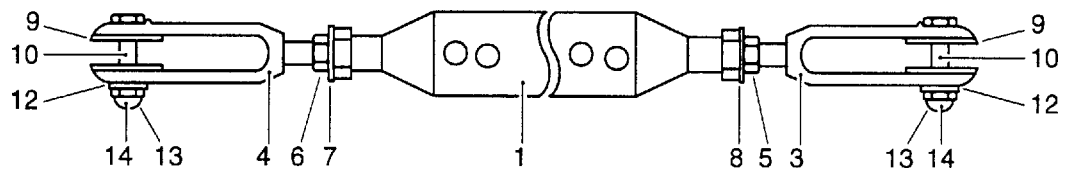


FIGURE 5

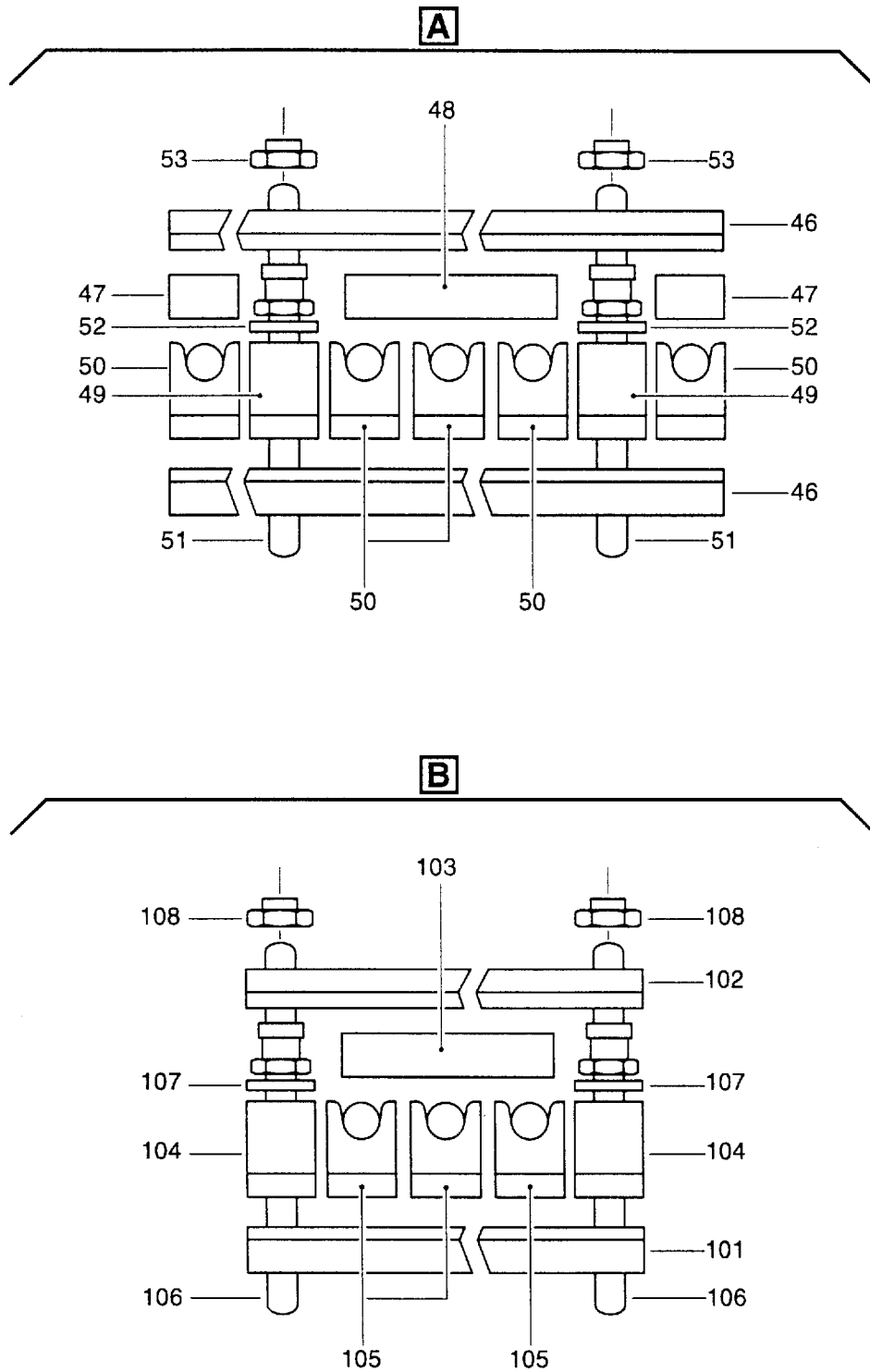


FIGURE 6

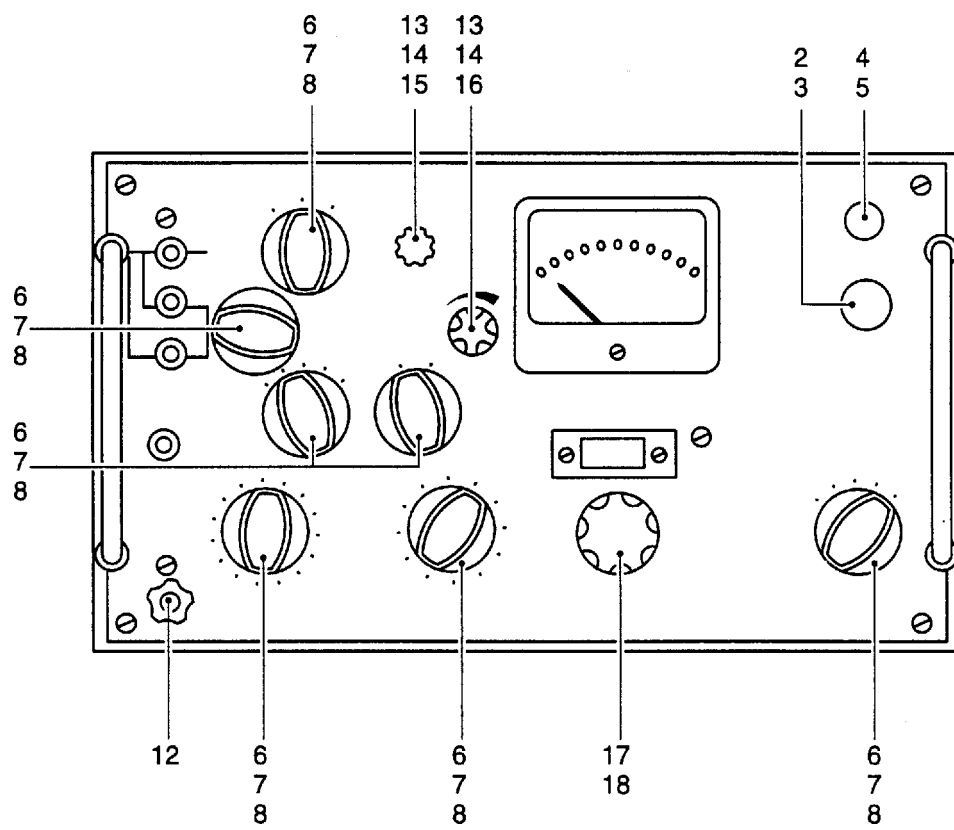


FIGURE 7

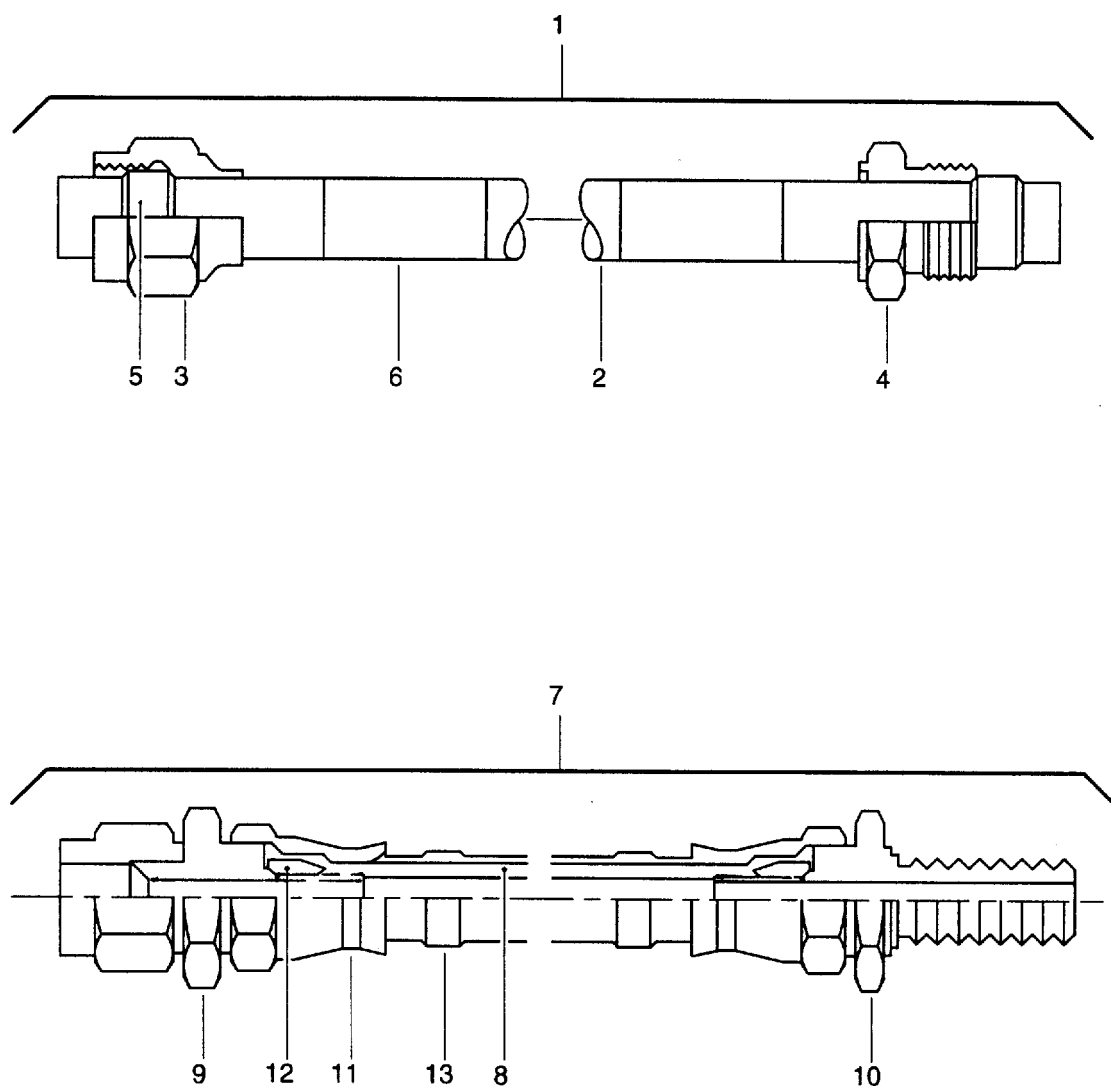


FIGURE 8

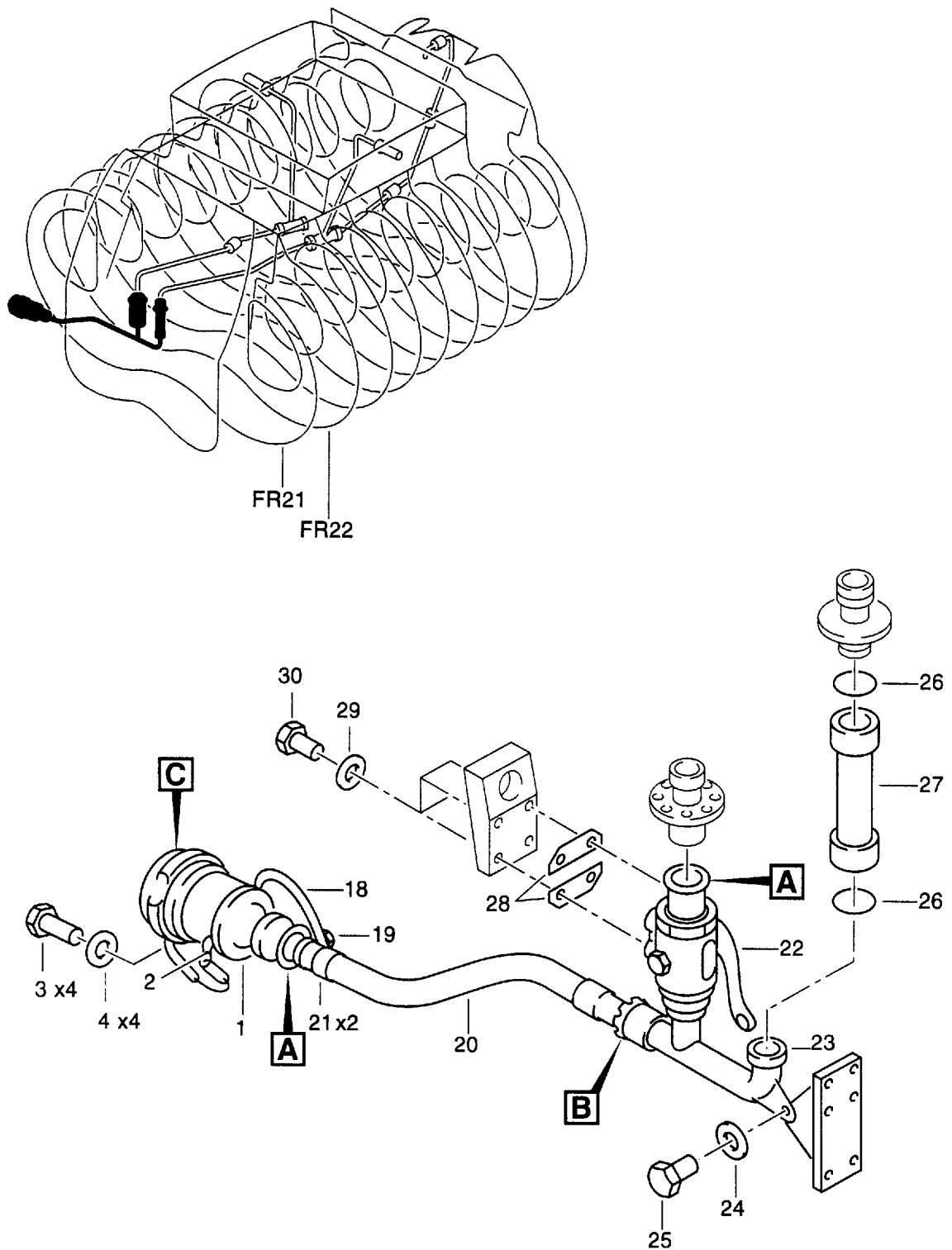


FIGURE 9 SHEET 1 OF 2



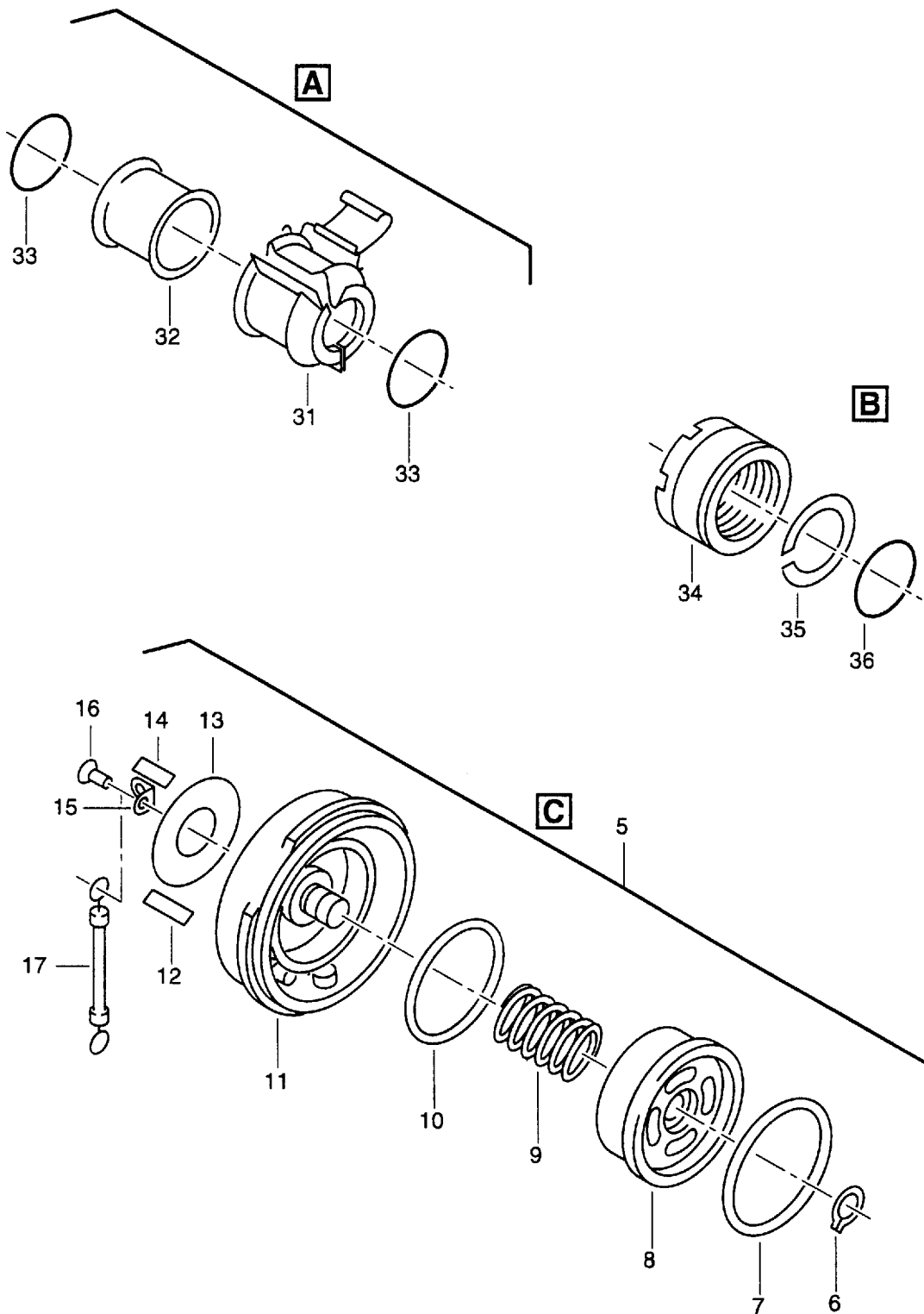


FIGURE 9 SHEET 2 OF 2

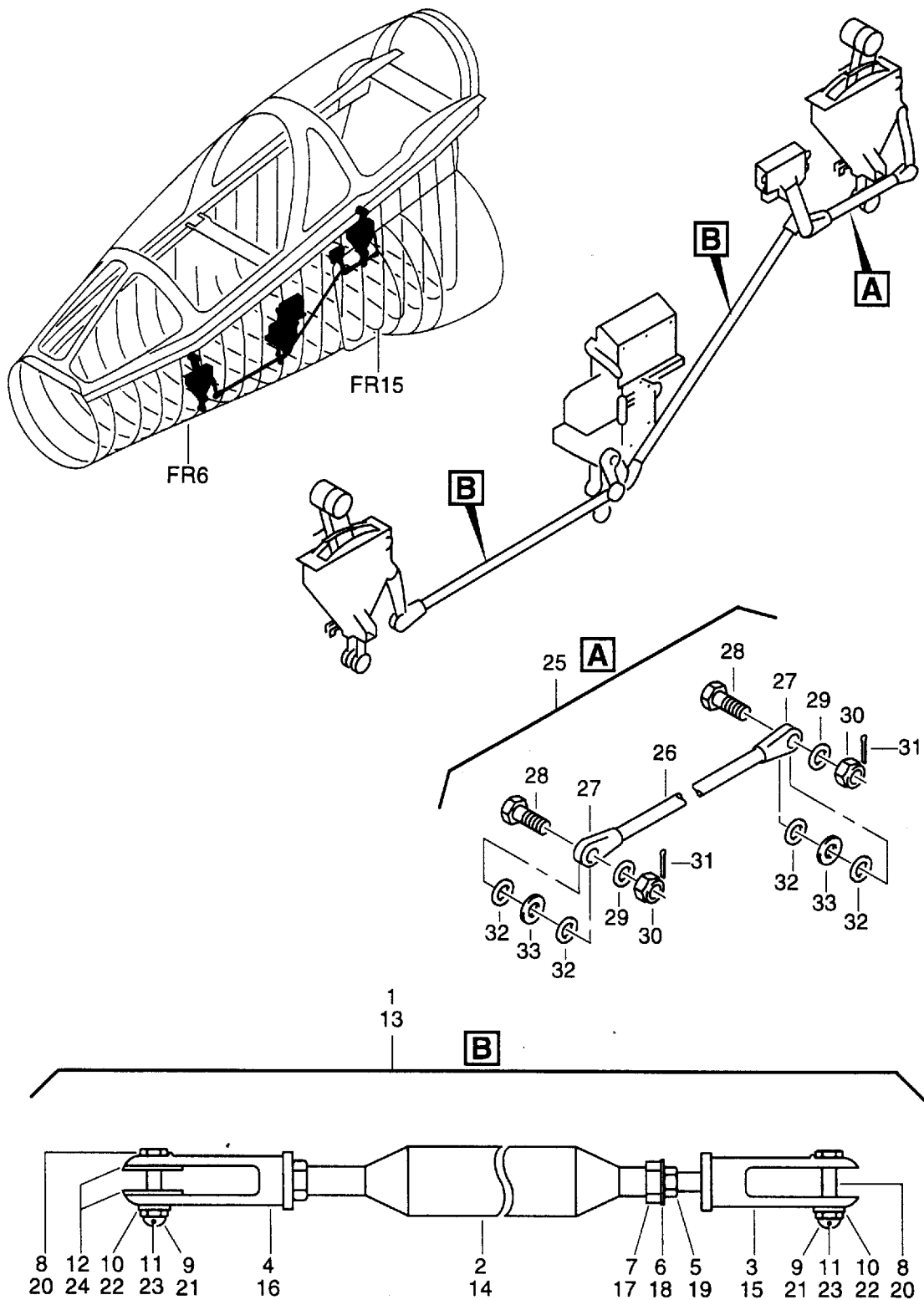


FIGURE 10

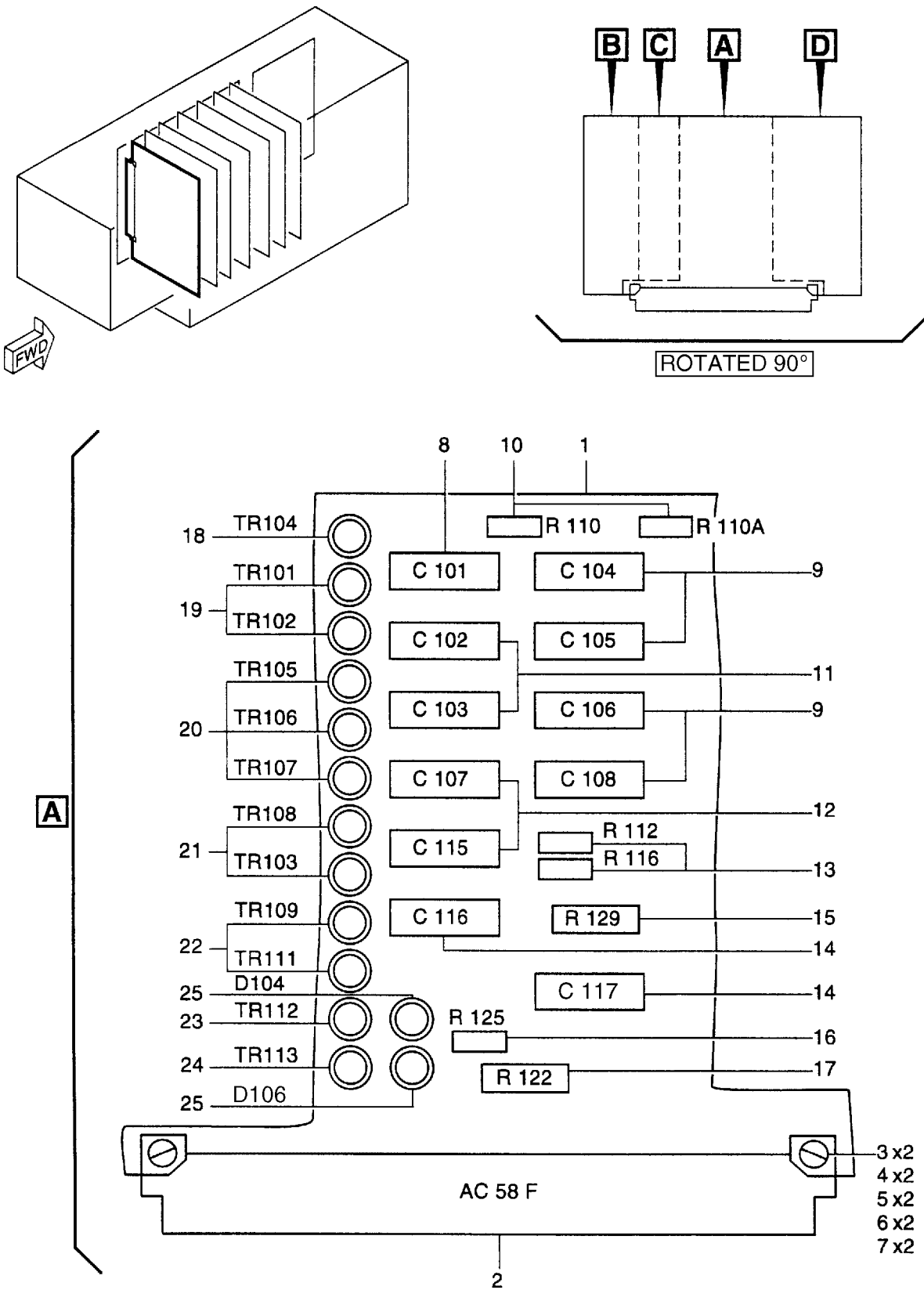


FIGURE 11

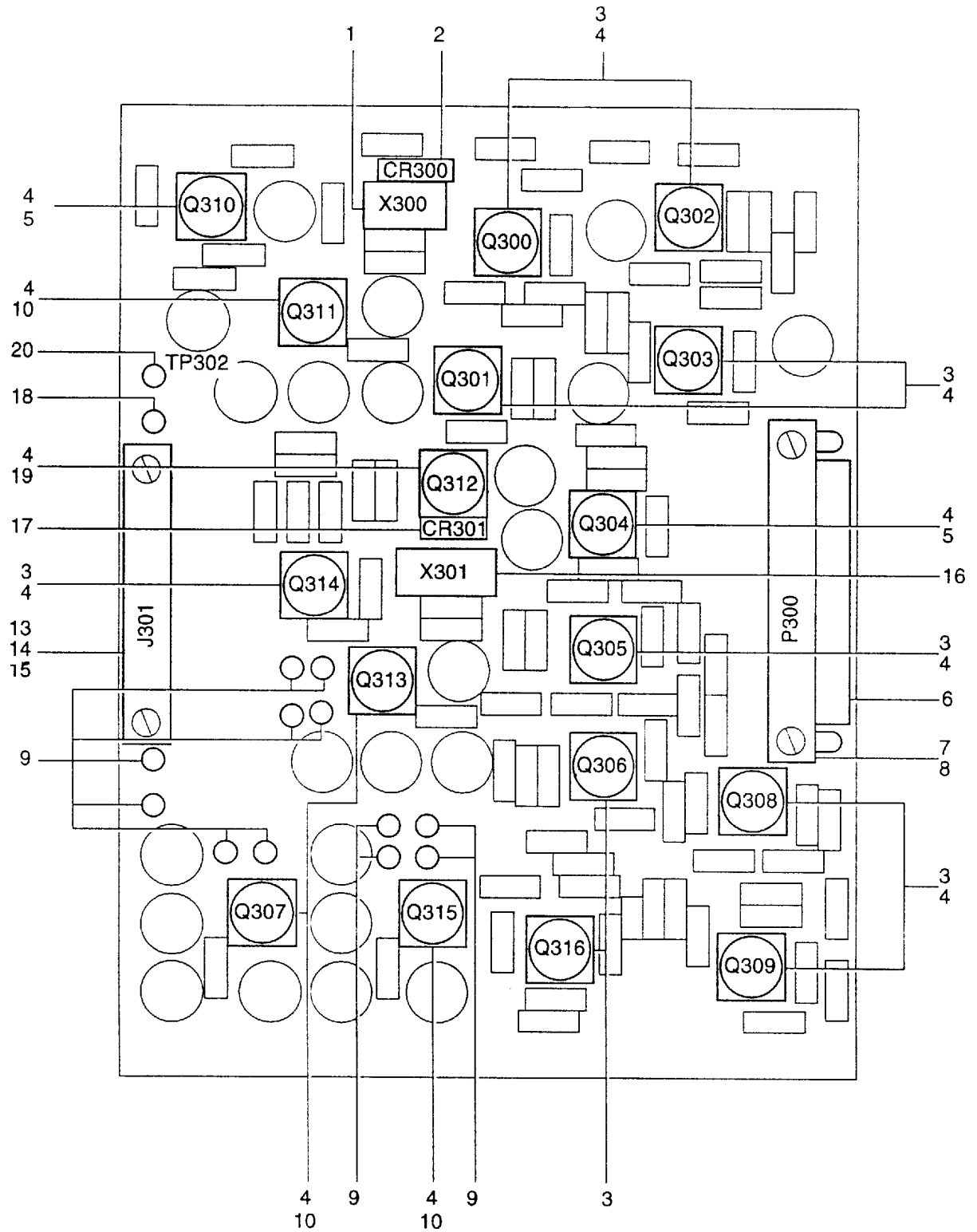


FIGURE 12 SHEET 1 OF 3

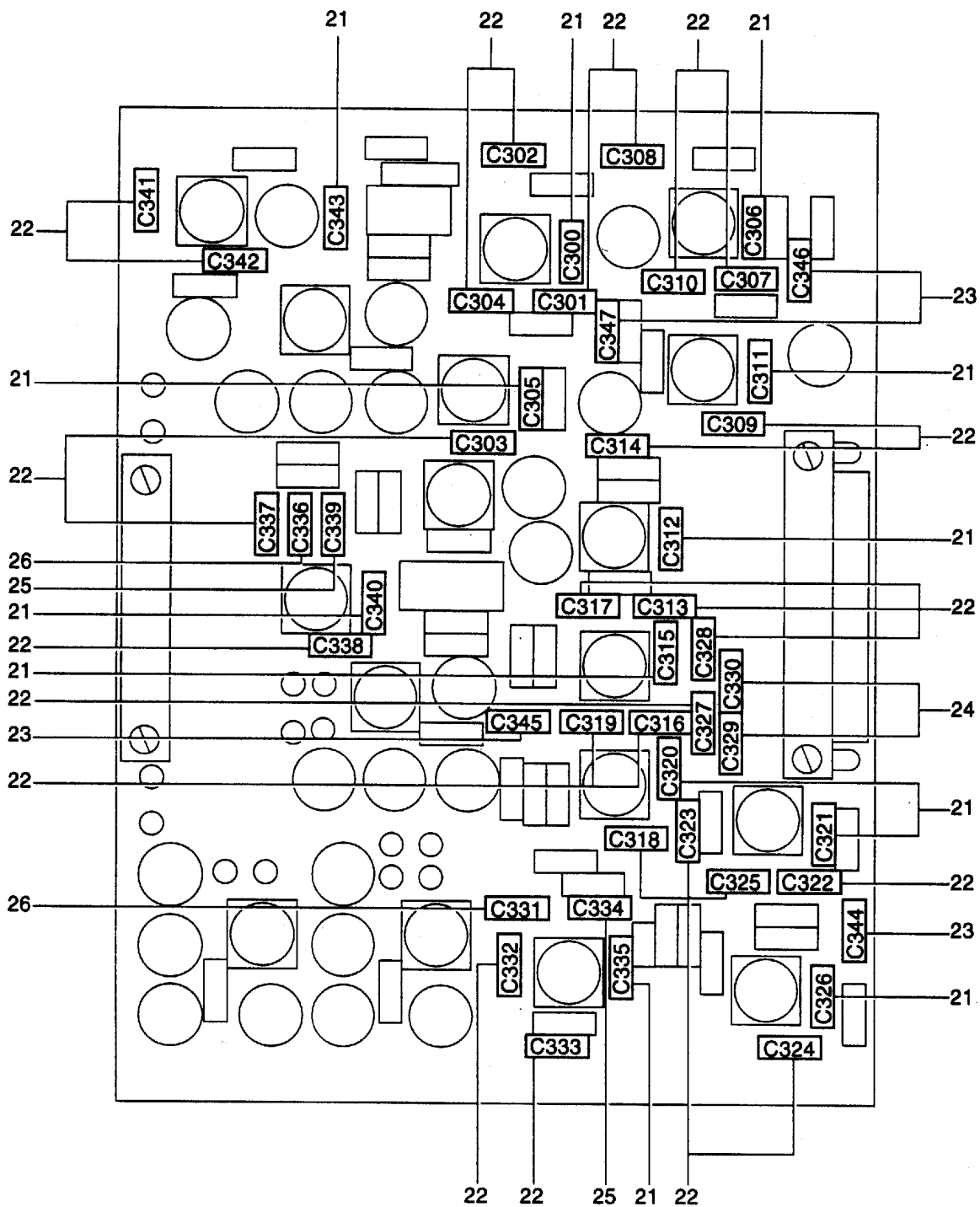


FIGURE 12 SHEET 2 OF 3

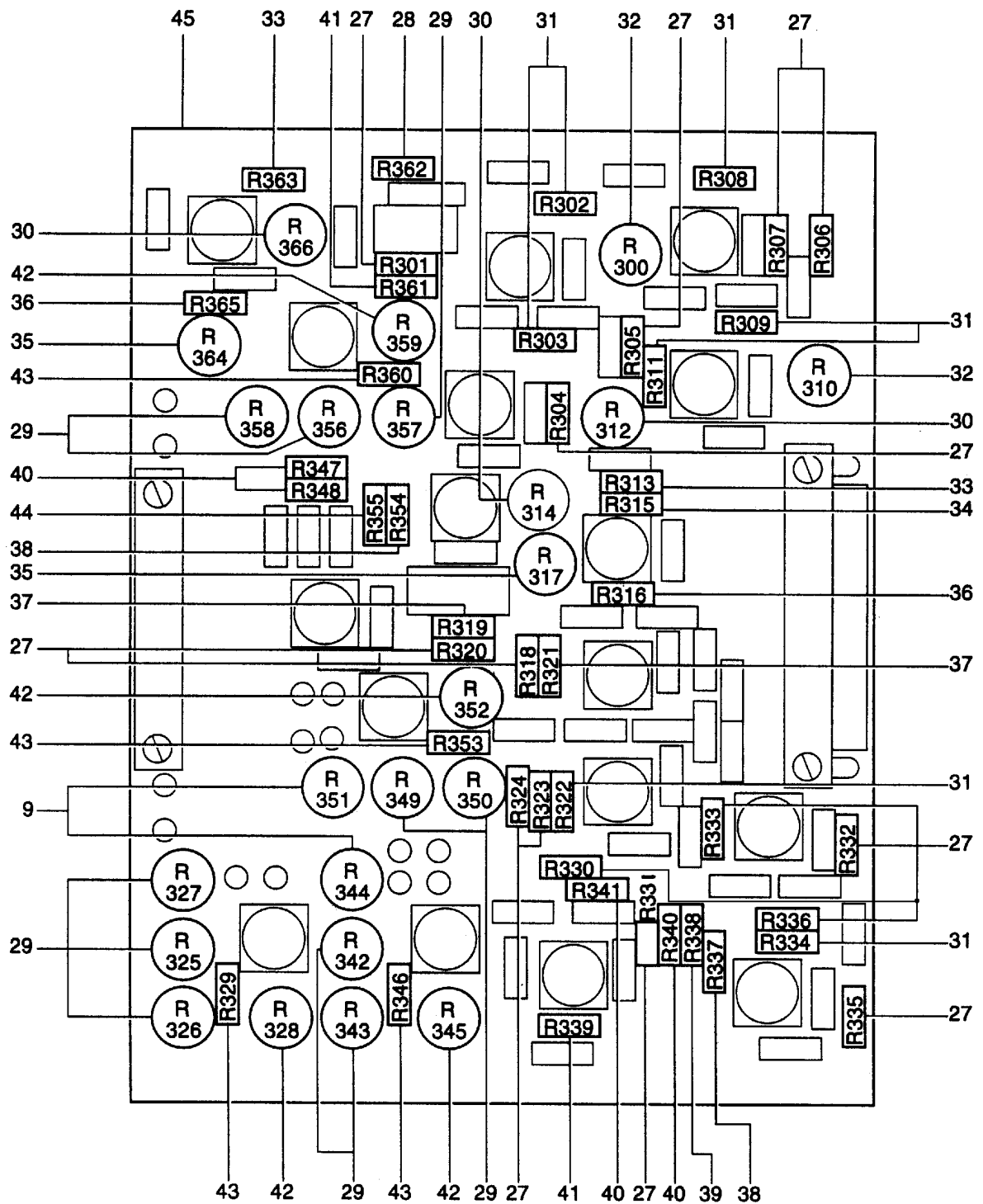


FIGURE 12 SHEET 3 OF 3

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## SECTION 1A-6

### UPDATING OF INITIAL PROVISIONING DATA

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## **UPDATING OF INITIAL PROVISIONING DATA**

### **1. PURPOSE**

Section 1A-3, 1A-5 and Chapter 1C of this Specification describe how data is compiled and how items are illustrated as a common source for the creation of Initial Provisioning Lists (IPLs) and the subsequent production of the Illustrated Parts Catalogue (IPC). However, the instructions within Section 1A-3 concentrate solely upon the initial presentation of data and do not contain instructions upon how the IP data and illustrations are updated.

This Section describes how changes to the data and illustrations are notified to the Customer and incorporated into the IPL. This data updating procedure provides the ability for the Customer to assess the impact of changes on items already held in stock or on order, to determine the new items to be ordered, and to comment on the proposed changes. It also establishes the acceptability of the data and illustrations for inclusion in IPC updating.

The actual process of updating the IPC is not described here because this will depend on whether the IPC is issued in hardcopy or microfiche etc, and will be subject to agreement between Contractor and Customer. However, the method of identifying the changes which will appear in the updated IPC is described in paragraph 9.

### **2. APPLICATION**

The Updating Procedure described in this Section applies to both Chapterized and Non-Chapterized Catalogue Sequence Number orientated provisioning, described in Section 1A-3 paragraphs 4.1.1 and 4.1.2 respectively. The Updating Procedure for IP presentations made under the Part Number-orientated procedure, described at Section 1A-3, paragraph 5, is also outlined here (see paragraph 6).

The updating procedure is to be used once an IPL has been issued at Master standard and it then becomes the means of notifying changes to the Customer.

### **3. REASON FOR CHANGE**

#### **3.1 Changes Prior to the Establishment of the First Delivery Standard**

The IPL is essential for the Customer to provision the spares necessary to support the aircraft, engine and/or equipment. Spares orders must be placed in sufficient time to permit their manufacture and delivery in advance of the delivery of the aircraft, engine and/or equipment they support. IPCs are also required in advance of that delivery. These requirements dictate that the Contractor must compile the IPL data long before the delivery of the first aircraft, engine and/or equipment. Therefore, data updates will be necessary in order to match the eventual first delivery standard.

These updates will, for example, arise from:

- the correction of engineering drawings
- changes to reflect actual manufacturing practice

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- the incorporation of improvements
- the introduction of repair parts.

### **3.2 Changes After the Establishment of the First Delivery Standard**

Throughout their in-service life, aircraft, engines and/or equipments may also be subject to modifications introduced to improve reliability and/or performance. These changes are introduced through a formal Configuration Control process and must themselves be incorporated into the provisioning data base and relayed to the Customer to enable him to plan the support of items newly introduced or modified, and to reflect the different configuration standards in his IPC.

## **4. CLASSIFICATION OF CHANGE**

For Part Number-orientated IP presentations there is no categorization of changes. All changes are presented in a single message type "UPIPPN" as described in Section 1A-7, Annex F, in accordance with the procedure at paragraph 6.

For CSN-orientated IP presentations, however, because the nature of the change will determine the need for Customer agreement, all changes are classified as either Category 1 or Category 2 and are issued as message types "UPIPCO" or "UPIPCT" as described in Section 1A-7, Annexes D and E respectively. Category 1 changes need Customer involvement and go through the full updating procedure where they are first issued at Draft standard and later at Master standard when Customer agreement has been reached. Category 2 changes do not need Customer agreement, can be processed through a restricted updating procedure and Annex A gives the applicability of the data elements to the category of change.

### **4.1 Category 1 Change**

#### **4.1.1 Definition and Purpose**

A Category 1 Change introduces an item, makes an item redundant or changes the applicability of an item to its parent assembly. It effectively provides the means to retain a record of the "before change" and "after change" versions because the "after change" version of the item is introduced at a new ISN location. This new ISN, together with the appropriate changes to the existing record (if any), is presented in the Category 1 Change message and establishes the correct relationship between the "old" and the "new" parts. For those changes that occur prior to the establishment of first aircraft delivery standard, the "old" item is to be deleted.

In certain circumstances, the Category 1 message may also be used to make changes to data held against existing records which are not associated with the introduction of a new ISN. These data elements are identified in Annex A.

Typical, a Category 1 change will come about through engineering changes (modifications) which replace, remove or introduce part numbers at certain locations at a particular point in the configuration standard. Another engineering change which should also be

presented as a Category 1 change is a change in the physical applicability of an item. This may result in an alteration to the quantity fitted or the effectivity or applicability to a particular variant. The Category 1 presentation will show these changed values in the new ISN, thus retaining the visibility of the "before change" and "after change" conditions.

It is also possible for items to be introduced or made redundant for reasons other than configuration changes. There may be a need, for example, to increase or reduce the depth of IP presentation breakdown because of a change in the Customer's maintenance philosophy. This change in the structure of the IP presentation should also be presented as a Category 1 change and should be processed through the full updating procedure. The allocation of the Change Authority Number (CAN) to such non-configuration related changes should be agreed between Contractor and Customer. Exceptionally, if as a result of a change of maintenance concept, an item changes from non-sparable, or vice versa, the change is to be treated as a Category 1 change to allow the full IP process to be conducted.

#### 4.1.2 Compilation of Change

The new items introduced by a Category 1 change need to be supported by a full set of the appropriate location related data. If the Part Number being introduced at that ISN does not appear elsewhere in the IP project (or within the agreed scope of parts data commonality), then a full set of the appropriate parts related data must also be supplied. In these circumstances, the data is to be compiled in accordance with the rules described in Section 1A-3.

The items being replaced need to have certain data elements changed to reflect the precise nature of the relationship between them and the new items. These data elements will include Interchangeability (ICY), Usable On Code Equipment (UOCE), Usable on Code Assembly (UOCA), Model Version (MV) and Effectivity (E), as appropriate, according to the type of IP presentation. The necessary key data elements of CSN, ISN and Service will also need to be provided. This situation will also apply when an Engineering Change affects the physical applicability of an item. Those items which are replaced prior to first aircraft delivery standard are not required to be related to the new items because the redundant items will be deleted.

Items which are being made redundant and have no corresponding replacing part must be submitted with the appropriate data elements changed to reflect the new limited applicability. Where, exceptionally, a non-sparable item becomes a separable item, the change to RFS and additional separable item data is to be presented using the existing item key data.

### 4.2 Category 2 Changes

#### 4.2.1 Definition and Purpose

A Category 2 change overwrites the previous data standard and can be used for both error correction and technical updating of data elements, other than those identified in the matrix as needing Category 1 changes, which do not affect the existence of the ISN record.

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Although some changes falling within the Category 2 criteria require no further action by the Customer, others do require consideration to determine their impact upon the Customer's support arrangements. An example of the former is a change to Description for Part (DFP), which needs only to be recorded by the Customer. In contrast, a change to the Contractor Repair Turnaround Time (CRTT) will necessitate the Customer's considering whether his repair pool stocks are adequate or whether action to increase or decrease those stocks is appropriate.

For error corrections, the Category 2 change can be applied to all data elements except the CSN and ISN which form the key of the location record.

For technical changes, the Category 2 change can be applied to all data elements except Part Number (PN), NATO Supply Code for Manufacturers (NSCM), Quantity Per Next Higher Assembly (QPNHA), Total Quantity Per Location (TQPL), E, ICY, MV, UOCE and UOCA. Changes to these data elements must be presented as a Category 1 change. There is an exception to this rule: technical changes to items which occur prior to the establishment of the first delivery standard may be presented as Category 2 changes. Because of the problems of producing an IPL/IPC long in advance of the delivery of the first aircraft, engine and/or equipment, there is a considerable likelihood that many changes will be incorporated into the design before this first delivery. Theoretically, these changes will introduce variants and changes to the configuration standards, replacing items and configuration standards that will never be delivered to, or seen by, the Customer. To avoid showing in the IPL/IPC items below the first delivery standard, and subject to Contractor and Customer agreement at the Guidance Conference, these changes will be incorporated by overwriting data held against existing CSNs/ISNs. Such changes apply only in the case of a direct (one-for-one) Part Number replacement. Whenever the change requires the introduction or deletion of an ISN, it must be presented as a Category 1 change.

### 4.2.2 Compilation of Change

The Category 2 change has to provide the changed data elements which require updating, together with the appropriate key data elements which are needed to define the location or parts record to which the data relates.

Where changes to Part Numbers occur in a Category 2 message (prior to first delivery standard) and the replacing part does not appear elsewhere in the IP Project (or within the agreed scope of parts data commonality), then a full set of the appropriate parts data must also be provided. In these circumstances the data is to be compiled in accordance with the rules described in Section 1A-3.

The use and allocation of CANs for Category 2 changes is to be agreed between the Contractor and Customer. For example, this may include making use of the configuration CAN prior to first delivery standard and the allocation of "dummy" CANs post delivery standard.

## **5. THE UPDATING PROCEDURE FOR CSN-ORIENTATED IP DATA**

The Contractor has the responsibility to classify the type of changes he compiles and to decide whether they should be issued as Category 1 or Category 2 updating messages. The Flow Chart in Section 1A-2 provides details of all the steps in the updating procedure, including where it is possible to bypass certain stages. One example of this is where the process may omit the Updating Meeting and proceed to the Master when all parties agree the Draft change message.

The following paragraphs outline the main activities in the updating procedure. They should be read in conjunction with Section 1A-2 and the steps annotated refer to that Flow Chart.

### **5.1 Category 1 Changes**

5.1.1 The Contractor issues the proposed changes in a Draft Change Message to the Customer and, where codification of any new items is necessary, to his Home NCB. (Steps C1 and C2).

5.1.2 Within 56 days after receipt of the Draft Change Message, the Customer is to respond further to the Contractor concerning the acceptability of the Draft Change message by making one of the undermentioned replies (See Section 1A-7, Annex G). In addition, and where appropriate, the Customer must provide, as observations, details of queries and/or amendments required (see Section 1A-8).

<b>Response</b>	<b>Meaning</b>
"Changes Contained - Acceptable"	The Draft Change Message in its current form is wholly acceptable. The Contractor is to issue change as a Master. Where illustrations are affected, and are approved at Draft standard, they do not have to be reissued at Master Standard.
"Changes Contained - Acceptable subject to the following Data Changes"	The Draft Change Message may be issued as a Master subject to the Contractor incorporating the notified changes. These changes may cover both Contractor and Customer originated data. For multinational projects where there is a conflict in data requirements between Nations, the conflict is to be referred to an Updating Meeting, see paragraph 5.1.5.
"Changes Contained - Not Acceptable or Not Understood"	The Customer is unable to discern from the data provided and the original configuration documentation the form of presentation. The Customer is to provide specific questions or is to outline his concern. An Updating Meeting may be convened at which the matter may be discussed, see paragraph 5.1.5.

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"Updating Meeting -  
Required"

The change is of such a significant nature that it requires discussion at an Updating Meeting.

Whilst the maximum period of response is 56 days, the Customer should endeavour to make his response sooner, especially if he believes that an Updating Meeting will be necessary. (Steps C4 to C5).

5.1.3 When the Customer requires no amendment to the change data, or when the Contractor can readily accept any amendments requested by the Customer, the Contractor will issue a Master Change Message incorporating the amendments and any codification results. This action should normally be taken not earlier than 90 days after the original issue of the Draft Change Message in order that Codification results may also be incorporated in the Master Change Message. The action should be completed within 110 days of the original issue of the Draft Change Message. (Steps D1 to D6).

5.1.4 When an Updating Meeting is necessary, either as the direct request of the Customer or because the Contractor is unable to reconcile the Customer's observations against the changes, the Contractor and Customer are to agree a meeting date within 80 days of the original issue of the Draft Change Message. (Step F2).

5.1.5 When required, the Updating Meeting is to be held within the period of 90 to 110 days after the original issue of the Draft Change Message and it must resolve all outstanding queries and agree any amendments to the change data. The period to be allowed between the issue of a convening notice and the meeting that it announces must be agreed between Contractor and Customer. Where possible, a standard period to be allowed should be decided at the Guidance Conference. To allow for the prior receipt of any related codification results, the meeting should not take place before 90 days after the issue of the Draft Change Message. However, it should take place before 110 days have elapsed. To support this meeting, the Contractor will produce a hardcopy Formal IPL extract highlighting the changed data. The coverage of this IPL extract will be sufficient to demonstrate adequately the full implications of the change. In exceptional circumstances, where the nature of the amendments is such as to cause the need for a major rework of the change data, the Contractor may request or be requested to rework and issue the original change data as a Master Change Message and to process the amendments as another change procedure action.

Updating Meetings are to be chaired by the Customer. Where several Customers attend the same meeting, they are to elect a chairman.

The Contractor and any Manufacturer who is not the Contractor are to be represented at the Updating Meeting in a manner similar to the Pre-Assessment Meeting representation described in Section 1A-1 paragraph 6.5. The agenda for each meeting is to be based upon the Customer's questions and queries. Where several Customers have submitted such observations, the Contractor is to combine and present them together with answers and recommendations in Catalogue Sequence Number (CSN) order.

The meeting should consider each observation and the Contractor and Customer shall agree a solution. Solutions may vary and, in the worst case, may require the Contractor to re-present a change in order to achieve a mutually agreed position. (Steps F5 and F6).

5.1.6 After the Updating Meeting, and within 130 days of the original issue of the Draft Change Message, the Contractor will issue the Master Change Message incorporating all agreed amendments and any codification results received. (Steps F7 and F8).

5.1.7 The Customer is to complete the quantification of his spares requirements and place any orders through the Order Administration procedure within 30 days of receipt of the Master Change Message, i.e. within 160 days of the original issue of the Draft Change Message. (Steps F9 and F10).

## **5.2 Category 2 Changes**

The process for Category 2 changes is considerably abbreviated. The Contractor issues these changes as Master Change Messages. The Customer implements the changes in his provisioning system records, considers the implications and acts accordingly.

## **5.3 Illustration Changes**

Changes to illustrations are prepared in accordance with Section 1A-5 and distributed to the Customer at the same time as the associated Draft Change Messages. Whenever it is necessary only to correct or amend an illustration, without any associated changes to data, this should simply be incorporated in the next revision of the IPC.

## **6. UPDATING OF PART NUMBER-ORIENTATED IP LISTS**

Part Number-orientated IPLs are not normally updated. However, where it is necessary to revise data provided by the Customer in part number listings and it is not possible to progress to Catalogue Sequence Number-orientated provisioning (see Section 1A-1 paragraph 3.2), the list is to be updated in the following manner.

A Change message is to be constructed in accordance with Section 1A-7, Annex F. As changes within a Part Number list cannot be attributed to a specific "Change Authority", the Contractor, subject to prior agreement by the Customer, may use a dummy "Change Authority Number". Every change message to a Part Number-orientated list is to be accompanied by a Segment OHS which provides an explanation for the change (see Section 1A-7, Annex F).

## **7. CHANGES AFFECTING SEVERAL IPPNs**

If the Contractor is aware that a change impinges upon more than one IPPN, he is to advise the Customer of the IPPNs affected, together with details of when the necessary changes to those IPPNs will be issued. These details are to be included in the message prepared in accordance with Section 1A-7, Annex D.



### **8. EXCEPTIONS TO THE UPDATING PROCEDURE**

There are certain circumstances when the Updating Procedure described in this Section will not be used or may be applied differently. These are:

- Corrections resulting from Customer Observations (see paragraph 8.1).
- Extensive change to an IPL (see paragraph 8.2).
- Partial termination of the Updating Procedure (see paragraph 8.3).

Different rules apply to these exceptions and, in some cases, special Contractor/Customer agreement must be reached before they are applied.

#### **8.1 Corrections Resulting from Customer Observations**

It may be possible that a Master IP message issued by the Contractor does not fully reflect all the changes agreed at the Pre-Assessment Meeting. In this situation the Customer may raise an observation requesting the Master to be corrected. For this type of correction, which involves the incorporation of a change already agreed, the Contractor will issue a CORIPD message (see Section 1A-7, Annex I) which will correct the IP Project to the agreed standard. This type of correction will not be subject to an updating message.

#### **8.2 Extensive Change to an IPL**

Where there is an extensive change or combination of changes to an aircraft, engine or equipment, the Contractor must consider whether the change(s) can be adequately described in the existing IPL/IPC or whether it is necessary to create a new IPL/IPC having a discrete IPPN.

One situation which causes the need to create a new IPL/IPC is when successive modifications to the equipment result in the listing of more than eight variants in the existing project. In this situation, however, both the existing and the new IPL/IPC would coexist until such time that the items included in the existing IPL/IPC were no longer in service.

It is not possible to provide formal guidance on all situations when a new IPL/IPC should be introduced. The decision on the introduction of a new IPL/IPC must be based on the combined judgement and agreement of the Contractor and the Customer.

A possible requirement to include CANs will need to be considered when extensive changes are made to an IPL.

### **8.3 Partial Termination of the Updating Procedure**

The updating of the IPL and IPC is a continuing process and extends for the life of the aircraft, engine or equipment. However, there are a number of data elements initially introduced by the IPL but which the Customer may either not require updating in the IPL throughout that life, or may only require updating at a specific frequency. An example of such a data element might be Purchasing Lead Time. Any such termination of the Updating Procedure for specific data elements must be agreed between the Customer and Contractor.

## **9. RECORD OF CHANGE IN IPC**

To enable the IPC user to determine the precise relationship of components, the catalogue is to record every configuration standard likely to be encountered. To meet this requirement, the Contractor will maintain a record of changes incorporated into the provisioning data base. This record will be used to produce the "List of Incorporated Modifications" in the introduction to each IPC (see Section 1C-2, paragraph 1.2.2). In the IPC text, the configuration changes/modifications will be identified against line items as follows:

- Description
- The Change Authority will be shown for all newly introduced items e.g. Modification XXXX.
- Interchangeability  
Usable on Code  
Equipment  
Usable on Code  
Assembly  
Effectivity  
Model Version
- Interchangeability Codes will be set for the preceding (old) and succeeding (new) line entries.

Some Customers may require that, during the production of an IPC, the Contractor should omit configuration standards that are superseded by modifications fully embodied in their fleets.

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**ANNEX A TO SECTION 1A-6**

**DATA ELEMENT MATRIX FOR UPDATING**

1. The matrix provides guidance upon the categorization of changes to specific data elements.
2. The first 2 columns identify the message types which have to be used when data elements undergo a technical change (ie a change which is not simply a correction, but is a change in the technical and/or logistical attributes of an item). Column one shows those data element changes which should be presented in Category 1 messages and column two lists those which can be covered by Category 2 messages.
3. The third identifies the data elements which can be submitted as corrections via a Category 2 change message.
4. The fourth column lists those data elements which are not subject to change but which are needed in the message for transmission (and identification) purposes.
5. This categorization refers to isolated changes to individual data elements. It does not override the rules for providing the Category 1 change message as described in paragraph 4.1.

DATA ELEMENT MATRIX FOR UPDATING						
DATA ELEMENT	ABBREVIATION IN DATA DICTIONARY	TECHNICAL CHANGES		CORRECTIONS CATEGORY 2 CHANGE	REQUIRED FOR DATA EXCHANGE	REMARKS
ADDRESSEE ATTACHING, STORAGE OR SHIPPING PART AUTHORIZED LIFE CALIBRATION MARKER CATALOGUE SEQUENCE NUMBER	A	-	-	-	X	PROVIDED IN MESSAGE HEADER
	ASSP	-	-	X	-	(SEE NOTE 1)
	AL	-	X	X	-	
	CM	-	X	X	-	
	CSN	-	-	-	X	KEY TO LOCATION DATA, TOGETHER WITH ISN
CATEGORY 1 CONTAINER IDENTIFICATION	CICI	-	-	-	-	INCLUDED ONLY IN PN - ORIENTATED IP UPDATE MESSAGE UIPPN
CATEGORY 1 CONTAINER LOCATION	CICL	X	-	X	-	TECHNICAL CHANGE CANNOT BE MADE IN ISOLATION AND MUST ACCOMPANY THE LOCATION CHANGE RECORD OF THE CATEGORY 1 CONTAINER. THE CHANGE TO THE CICL DATA ELEMENT IS MADE TO THE EXISTING RECORD APPEARS AT HEADER LEVEL AND CSN LEVEL
CHANGE AUTHORITY NUMBER	CAN	-	-	X	X	NEEDED IN CERTAIN SEGMENTS
CHANGE CODE	CHG	-	-	-	X	
CONSUMPTION RATE	CR	-	X	X	-	
CONTRACTOR REPAIR	CRTT	-	X	X	-	
TURNAROUND TIME	CC	-	-	X	-	
CURRENCY CODE	DRD	-	-	-	X	(SEE NOTE 1)
DATA RELEASE DATE	DRR	-	-	-	X	PROVIDED IN MESSAGE HEADER
DATE RELEASE REFERENCE	DRSN	-	-	-	X	PROVIDED IN MESSAGE HEADER
DATA RELEASE SEQUENCE NUMBER	DFL	-	X	X	-	PROVIDED IN MESSAGE HEADER
DESCRIPTION FOR LOCATION	DFF	-	-	X	-	(SEE NOTE 1)
DOMESTIC MANAGEMENT CODE	DMC	-	X	X	-	(SEE NOTE 2)
EFFECTIVITY	E	X	-	X	-	
ELECTROSTATIC SENSITIVE DEVICE	ESD	-	X	X	-	

DATA ELEMENT MATRIX FOR UPDATING						
DATA ELEMENT	ABBREVIATION IN DATA DICTIONARY	TECHNICAL CHANGES		CORRECTIONS CATEGORY 2 CHANGE	REQUIRED FOR DATA EXCHANGE	REMARKS
		CATEGORY 1 CHANGE	CATEGORY 2 CHANGE			
ESSENTIALITY CODE	EC	-	X	X	-	PROVIDED IN MESSAGE HEADER
FILE IDENTIFIER	FI	-	-	-	X	
FITMENT CODE	FC	-	X	X	-	
HAZARDOUS MATERIAL	HM	-	X	X	-	
ILLUSTRATION AFFECTED INDICATOR	IAI	-	-	X	X	APPEARS AT HEADER LEVEL AND CSN LEVEL. (SEE NOTE 1)
INDENTURE	I	-	-	X	-	(SEE NOTE 1)
INTEGRATED LOGISTIC SUPPORT NUMBER	ILSN	-	X	X	-	(SEE NOTE 2)
INTERCHANGEABILITY	ICY	X	-	-	-	PROVIDED IN MESSAGE HEADER
IP PROJECT NUMBER	IPP	-	-	-	X	PROVIDED IN MESSAGE HEADER
IPPN SUBJECT	IPPN	-	-	-	X	PROVIDED IN MESSAGE HEADER
ISSUE STANDARD	IS	-	-	-	X	PROVIDED IN MESSAGE HEADER
ITEM NAME CODE	INC	-	-	X	-	(SEE NOTE 1)
ITEM SEQUENCE NUMBER	ISN	-	-	-	X	KEY TO LOCATION DATA, TOGETHER WITH CSN
ITEM TYPE	ITY	-	-	X	-	(SEE NOTE 1)
LANGUAGE CODE	LC	-	-	-	X	PROVIDED IN MESSAGE HEADER
MAINTENANCE PERCENT	MP	-	X	X	-	
MEAN TIME BETWEEN FAILURES	MTBF	-	X	X	-	
MESSAGE TYPE	MT	-	-	-	X	PROVIDED IN MESSAGE HEADER
MINIMUM SALES QUANTITY	MSQ	-	X	X	-	
MODEL IDENTIFICATION	MI	-	-	-	X	PROVIDED IN MESSAGE HEADER
MODEL VERSION	MV	X	-	X	-	(SEE NOTE 2)
NATO STOCK NUMBER	NSN	-	-	-	-	SEE NSC AND NIIN
NATO SUPPLY CLASS	NSC	-	X	X	-	
NATO ITEM IDENTIFICATION NUMBER	NIIN	X	-	X	-	
NATO SUPPLY CODE FOR MANUFACTURERS	NSCM	X	X	X	-	TECHNICAL CHANGE CAT 2 ONLY IN THE CASE OF DIRECT REPLACEMENT OF DATA ELEMENT IN PJS SEGMENT. SEE REPLACING NSCM

DATA ELEMENT MATRIX FOR UPDATING						
DATA ELEMENT	ABBREVIATION IN DATA DICTIONARY	TECHNICAL CHANGES		CORRECTIONS CATEGORY 2 CHANGE	REQUIRED FOR DATA EXCHANGE	REMARKS
		CATEGORY 1 CHANGE	CATEGORY 2 CHANGE			
NOT ILLUSTRATED OBSERVATION OBSERVATION SEQUENCE NUMBER PACKAGING LEVEL CODE PART NUMBER	NI OBS OSN PLC PN	- - - - X	X - - X X	X - - X X	- X X - -	PROVIDED WHEN NECESSARY KEY TO OBSERVATION SEGMENT  TECHNICAL CHANGE CAT 2 ONLY IN THE CASE OF DIRECT REPLACEMENT OF DATA ELEMENT IN PJS SEGMENT. SEE REPLACING PN
PHYSICAL SECURITY/ PILFERAGE CODE POOL ITEM CANDIDATE PRICE BREAK DATA PROCUREMENT CODE PURCHASING LEAD TIME QUANTITY PER NEXT HIGHER ASSEMBLY QUANTITY PER UNIT OF ISSUE REASON FOR SELECTION	PSPC PIC PBD PC PLT  QPNHA QPUI RFS	- - - - -  X - X	X X X X X  - X X	X X X X X  X X X	- - - - -  - - -	WHEN TECHNICAL CHANGE RESULTS FROM OR TO '0', THE CHANGE MUST BE CAT 1. THE CHANGE TO THE RFS DATA ELEMENT IS MADE TO THE EXISTING RECORD
RECOMMENDED MAINTENANCE QUANTITY RECOMMENDED OVERHAUL REPAIR QUANTITY REFER TO REFERENCE DESIGNATOR REFERENCE NUMBER CATEGORY CODE REFERENCE NUMBER JUSTIFICATION CODE REFERENCE NUMBER VARIATION CODE	RMQ  ROQ RT RD RNCC RNJC RNVC	-  - - - - - -	X  X X X - - -	X  X X X X X X	-  - - - - - -	(SEE NOTE 1)  (SEE NOTE 1) (SEE NOTE 1)

DATA ELEMENT MATRIX FOR UPDATING						
DATA ELEMENT	ABBREVIATION IN DATA DICTIONARY	TECHNICAL CHANGES		CORRECTIONS CATEGORY 2 CHANGE	REQUIRED FOR DATA EXCHANGE	REMARKS
		CATEGORY 1 CHANGE	CATEGORY 2 CHANGE			
REPLACING PART NUMBER REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	RPN	-	-	-	X	PROVIDES MEANS TO UPDATE KEY DATA
	RNSCM	-	-	-	X	PROVIDES MEANS TO UPDATE KEY DATA
SCRAP RATE SELECT OR MANUFACTURE FROM IDENTIFIER	SR	-	X	X	-	
SELECT OR MANUFACTURE FROM RANGE	SMFI	-	X	X	-	
SERVICE	SMFR	-	X	X	-	
SHELF LIFE CODE	S	-	X	X	-	KEY TO SPECIFIC SERVICE DATA ELEMENTS
SIZE OF PACKAGED UNIT	SLC	-	X	X	-	
SIZE OF UNPACKAGED UNIT	SPU	-	X	X	-	
SOURCE MAINTENANCE	SUU	-	-	X	-	(SEE NOTE 1)
RECOVERABILITY	SMR	-	X	X	-	
SPARE PARTS CLASSIFICATION	SPC	-	-	X	-	(SEE NOTE 1)
SPECIAL STORAGE	SS	-	X	X	-	
STANDARD PACKAGE QUANTITY	SPQ	-	X	X	-	
SUBJECT IDENTIFICATION	SI	X	-	X	-	CATEGORY 1 ALWAYS IN CONNECTION WITH END ITEM CHANGE SEE NSC AND NIIN
SUBJECT NATO STOCK NUMBER	SNSN	-	-	-	-	
NATO SUPPLY CLASS	NSC	-	X	X	-	
NATO ITEM IDENTIFICATION NUMBER	NIIN	-	X	X	-	
TIME BETWEEN OVERHAULS	TBO	-	X	X	-	
TIME BETWEEN SCHEDULED SHOP VISITS	TBSSV	-	X	X	-	
TIME/CYCLE INDICATOR/AL	TCIAL	-	X	X	-	
TIME/CYCLE INDICATOR/MTBF	TCIBF	-	X	X	-	
TIME/CYCLE INDICATOR/TBO	TCIBO	-	X	X	-	
TIME/CYCLE INDICATOR/TBSSV	TCISV	-	X	X	-	
TOTAL LIFE	TL	-	X	X	-	



DATA ELEMENT MATRIX FOR UPDATING						
DATA ELEMENT	ABBREVIATION IN DATA DICTIONARY	TECHNICAL CHANGES			CORRECTIONS CATEGORY 2 CHANGE	REQUIRED FOR DATA EXCHANGE
		CATEGORY 1 CHANGE	CATEGORY 2 CHANGE	CATEGORY 2 CHANGE		
TOTAL QUANTITY	TQ	-	-	-	-	-
TOTAL QUANTITY PER LOCATION	TQPL	X	-	X	-	-
TRANSMITTER OF DATA	TOD	-	-	-	X	-
TYPE OF PRICE	TOP	-	X	X	-	-
UNIT OF ISSUE	UI	-	X	X	-	-
UNIT OF MEASURE	UM	-	X	X	-	-
UNIT PRICE	UP	-	X	X	-	-
USABLE ON CODE ASSEMBLY	UOCA	X	-	X	-	-
USABLE ON CODE EQUIPMENT	UOCE	X	-	X	-	-
WEIGHT OF PACKAGED UNIT	WPU	-	X	X	-	-
WEIGHT OF UNPACKAGED UNIT	WUU	-	X	X	-	-
					(SEE NOTE 1)	
					INCLUDED ONLY IN PN - ORIENTATED IP UPDATE MESSAGE UIPPN	
					PROVIDED IN MESSAGE HEADER	

NOTES:

1. TECHNICAL CHANGES CANNOT BE MADE IN ISOLATION.
2. DATA ELEMENTS E, ICY AND MV. IF A CHANGE TO THESE DATA ELEMENTS DOES NOT DEMAND THAT THE PRE-CHANGE VALUE IS RETAINED, THEN THE CAT 1 MESSAGE MAY PRESENT UPDATED VALUES AGAINST THE EXISTING RECORD.

## SECTION 1A-7

### STRUCTURE AND FORMAT FOR PROVISIONING DATA EXCHANGE

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## **STRUCTURE AND FORMAT FOR PROVISIONING DATA EXCHANGE**

### **1. PURPOSE**

The standards and conventions which are to be applied in the construction and exchange of messages are contained in Appendix 2. This Section presents the structure and for-mat of the messages, which have been produced in accordance with Appendix 2, and which provide the necessary means for exchanging data within the Provisioning process.

### **2. TYPES OF DATA TRANSMISSION**

Within the Provisioning process the following types of data exchange occur:

- 2.1 Transmission of Provisioning data from Contractor to Customer, which is covered by the messages
  - CSN-orientated IP data (see Annex B)
  - PN-orientated IP data (see Annex C)
  - Category 1 Updating of IP data (see Annex D)
  - Category 2 Updating of IP data (see Annex E)
  - Updating of PN-orientated IP data (see Annex F)
  - Correction of IP data (see Annex I)
- 2.2 Transmission of Observations and Customer provided data (see Annex G)
- 2.3 Transmission of Codification requests from Contractor to Home NCB (see Annex H)
- 2.4 Transmission of Codification data from Home NCB to Contractor (see Chapter 1B)

### **3. MESSAGE STRUCTURE**

#### **3.1 Basic Rules**

As described in Appendix 2, an "Interchange" (or exchange of data) may comprise one or more separate messages. These messages may create, amend or delete data on the Customer's or Contractor's data base according to the type of message transmitted. Each message has a definite structure which comprises segments organized in a specific sequence and hierarchy. Each of the segments contains specified data elements and these segments (and hence the data elements) are organized in the message format according to the purpose of the message.

#### **3.2 Segment Levels**

Segments are structured into hierarchical level and groups according to their logical relationship within a message.

The levels are numbered consecutively starting with "0", which is the level at which the Service Segment resides (see Appendix 2). Each message contains a mandatory Header Segment (IPH) which is presented at level 0 and which contains the data appropriate to, and necessary to identify, that particular message.

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Other segments containing message related data reside at level 1 onwards.

The segments appropriate to a message and the level at which they reside in the message can be seen in the Branching Diagrams contained in Annexes B to I of this Section.

### 3.3 Sequence of Segments and Groups within a Message

When a message is "read", the sequence in which the segments are processed will be from top to bottom and left to right across the Branching Diagram. The requirement for the inclusion of a segment, or a group, within a message is indicated directly below the segment code, or alongside the group number, by the letters M (mandatory), C (conditional) or O (optional). The maximum number of times that a segment or group may appear within a message is indicated immediately following this letter.

A message always begins with the message header segment UNH and ends with the message trailer segment UNT; these are Service Segments (see Appendix 2 for details).

#### Example

Using the Branching Diagram contained in Annex C as an example, the processing sequence of the segments would be as follows:-

UNH; IPH; VAS, VAS,...; OHS, OHS,...; PAS, PBS, PCS, PDS, PES, PFS, PHS, PIS, PIS,...; PAS,...,...; UNT

This shows how multiple occurrences of the segments VAS and OHS would be read and how multiple occurrences of the group beginning PAS, ending PIS would appear between OHS and UNT. The group also contains the multiple occurring segment PIS. Segment PGS is not transmitted in this example.

### 3.4 Segment Structure

A segment is uniquely identified by its Segment Code and comprises a set of Data Units which have a logical or technical relationship.

A Data Unit is composed of a Text Element Identifier (TEI), which is a code assigned to identify each data element, and the data element value being transmitted.

A segment may occur in more than one message; when it does, the same structure of Data Units will apply to each message but the requirements for inclusion of a Data Unit within the segment of one message may differ to that of another message. This requirement is defined against each message in the "Segment Description" contained in Annex A using the letters M (mandatory) or C (conditional).

### **3.5 Segment Transmission**

As stated in paragraph 3.3, the requirement for the inclusion of a segment within a message is indicated in the Branching Diagrams contained in Annexes B to I. These requirements are unique to a message and, for the same segment, may be different from one message to another.

Those segments annotated "Mandatory" must always be provided in the message, but when the data contained in a "Conditional" segment does not require to be transmitted, then that segment is to be omitted from the message.

The transmission of a level 2 segment must always be accompanied by its related level 1 segment from which it "hangs" in the Branching diagram. This also applies to the lower level segments and the segments from which they "hang".

For further details on submission of segments and data element values (e.g. changes, deletions) refer to Appendix 2.

## **4. APPLICATIONS**

The structuring of messages described in paragraph 3 applies to all types of data exchange and, as stated in paragraph 2, several types of messages have been developed to support the Provisioning process. Each of these messages, which are defined in Annexes B to I, is composed of selected segments and constructed with a specific hierarchical relationship which is aimed at best supporting the particular business purposes for which it was designed. Details of the purpose and use of each message is given in the "Message Description" contained in the Annexes.

The manner in which messages are constructed dictates that a single message must contain only one Header Segment (IPH). This means that only data applicable to one Initial Provisioning Project Number can be transmitted in one message. However, as stated in paragraph 3.1, more than one message may be contained in a single data exchange and the processing of this "multi-message" interchange should be transparent to the users of the provisioning data.

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**SECTION 1A-7**

**ANNEX A**

**SEGMENT DESCRIPTIONS**

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## **1. SEGMENT DESCRIPTIONS**

The following sheets describe all the segments which are used in the Provisioning Data Exchange. They detail the data elements which are contained within each segment and give the applicability of each segment to the Provisioning messages.

The information provided for each segment is as follows.

### **1.1 Function**

This describes the meaning and purpose of the segment. The description is applicable to all uses to which the segment is put.

### **1.2 Segment Code**

The three alpha segment code identifying the segment.

### **1.3 Essentiality of Segment in Message**

Describes the business essentiality of the segment to the message giving the following information (For IT essentiality refer to App 2):

#### **1.3.1 Message**

Shows the Message Type.

#### **1.3.2 Annex Reference**

Identifies the Annex in which the message is defined.

#### **1.3.3 Issue Standard**

Identifies the standards at which the messages can be issued.

#### **1.3.4 Essentiality**

Essentiality is identified as follows:

M	Mandatory	Segment must always be present.
C	Conditional	Segment will be present in message when one or more of the data elements it contains need to be provided.
-		Segment does not appear in the message.

The conditions of business essentiality code C are explained against each segment.

#### **1.3.5 Set**

Identifies which set of data element essentialities applies to each message.

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### 1.4 Data Elements Contained in Segment

Describes all the data elements applicable to the segment giving the following information:

#### 1.4.1 TEI

The TEI identifying the data element (for details see Appendix 1).

#### 1.4.2 Format

The type of characters and the length of the data element as described on the data element sheet contained in the Data Dictionary (Appendix 1).

#### 1.4.3 Key Data

Identifies the key data elements of the segment. If a segment is to be deleted, or the only use of a segment is to be the parent of a hanging segment, then the Change Code and the key data elements are to be the only ones present in the segment.

#### 1.4.4 Essentiality of Data Element in Segment

Describes the business essentiality of the data element to the segment. It is indicated by one character.

M	Mandatory	Whenever the segment is provided in the message, this data element must always be present.
C	Conditional	The occurrence of the data element depends upon the conditions dictated by the nature of the item or the message.
O	Optional	The data element will be provided when included through agreement between Contractor and Customer.
-		The data element does not appear in the segment.

The conditions for essentiality codes C and O have to be derived from the Compilation Data Element Matrices (Annexes A and B to Section 1A-3) and the IPL Data Element Matrix (Annex B to Section 1A-4).

Composite Data Elements are identified in the Format Column. The TEI and data element name of the Component Data Elements are shown in lower case type. The essentiality of the Composite Data Element(s) refers to their presence in the segment. The essentiality of the Component Data Element(s) refer to their presence in the Composite Data Element when the Composite Data Element is present in the segment.

**1.4.5 Data Element Name**

The name of the data element as described on the data element sheet of the Data Dictionary.

**1.5 Remarks on Business Essentiality**

Describes the conditions of logical relationships if necessary.

**NOTE: PARTS DATA COMMONALITY**

The presentation of essentiality reflects a situation in which Parts Data Commonality is agreed within the range of an IP Project. If Parts Data Commonality is agreed within the range of more than one IP Project, the essentiality differs in that the PAS, PBS, PCS, PDS, PES, PFS, PGS and PHS segments become conditional in the same way as update messages.

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SEGMENT FUNCTION				SEGMENT CODE		
ITEM LOCATION				CAS		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	M	(1)		
CSNIPD	1A-7B	MASTER	M	(1)		
PNOIPD	1A-7C	DRAFT	–	–		
PNOIPD	1A-7C	MASTER	–	–		
UIPCO	1A-7D	DRAFT	C	(2)		
UIPCO	1A-7D	MASTER	C	(2)		
UIPCT	1A-7E	MASTER	C	(2)		
UIPPN	1A-7F	MASTER	–	–		
OBSINF	1A-7G	–	–	–		
CODREQ	1A-7H	–	–	–		
CORIPD	1A-7I	–	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
CHG	a1		M	M		CHANGE CODE
CSN	an13	KEY	M	M		CATALOGUE SEQUENCE NUMBER
ISN	an3	KEY	M	M		ITEM SEQUENCE NUMBER
IND	n1		M	C		INDENTURE
RFS	n1		M	C		REASON FOR SELECTION
QNA	an..4		M	C		QUANTITY PER NEXT HIGHER ASSEMBLY
TQL	an..5		M	C		TOTAL QUANTITY PER LOCATION
PNR	an..32		M	C		PART NUMBER
MFC	an5		M	C		NATO SUPPLY CODE FOR MANUFACTURERS
NSN	(COMPOSITE)		O	O		NATO STOCK NUMBER
nsc	n4		M	M		NATO Supply Class
nin	n9		C	C		NATO Item Identification Number

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CAS
<p><b>SEGMENT IN MESSAGES</b></p> <p>UPIPCO(D), UPIPCO(M), UPIPCT(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN THE CAS SEGMENT, OR TO ANY DATA ELEMENTS CONTAINED IN SEGMENTS WHICH "HANG" BELOW THE CAS.</p> <p>UPIPCO(D), UPIPCO(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN A NEW LOCATION IS TO BE INTRODUCED.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (1)</p> <p>NSN, NSC, NIN:-</p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO THE EXCEPTIONAL USE OF NON-DEFINITIVE PART NUMBERS, THEN THE NSN EFFECTIVELY BECOMES CLASSIFIED AS "CONDITIONAL". THE CONDITION UNDER WHICH IT IS PROVIDED, IS WHEN THE CAS SEGMENT CONTAINS A NON-DEFINITIVE PART NUMBER. IN THIS CASE THE NSC MUST BE PRESENT AND IN ADDITION, WHEN THE ITEM HAS BEEN CODIFIED, THE NIN HAS TO BE PROVIDED.</p> <p>ESSENTIALITY SET (2)</p> <p>IND, RFS, QNA, TQL, PNR, MFC, NSN:-</p> <p>ONLY NEED TO BE PROVIDED WHEN THERE HAS BEEN A CHANGE TO THEIR VALUE. WHEN USE OF NSN HAS BEEN AGREED, THE CHANGE COULD BE TO NSC OR NIN OR BOTH.</p> <p>IND, RFS, QNA, TQL, PNR, MFC:-</p> <p>WHEN A CHANGE INTRODUCES A NEW ITEM LOCATION, THESE DATA ELEMENTS ARE MANDATORY.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION PART LOCATION DATA (1)				SEGMENT CODE CBS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	—	—	
PNOIPD	1A-7C	MASTER	—	—	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	—	—	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(1)	

DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
ASP	n1		C		ATTACHING, STORAGE OR SHIPPING PART
NIL	an1		C		NOT ILLUSTRATED
RTX	an..16		C		REFER TO
SMF	a1		C		SELECT OR MANUFACTURE FROM IDENTIFIER
MFM	an..40		C		SELECT OR MANUFACTURE FROM RANGE
DFL	an..130		C		DESCRIPTION FOR LOCATION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CBS
<b>SEGMENT IN MESSAGES</b>	
<p>CSNIPD(D), CSNIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIIPCO(D), UIIPCO(M), UIIPCT(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<b>DATA ELEMENTS IN SEGMENT</b>	
<p>DATA ELEMENTS ARE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD, OR WHEN THEIR VALUE REQUIRES TO BE CHANGED.</p>	



## SPECIFICATION 2000M

SEGMENT FUNCTION APPLICABILITY				SEGMENT CODE CCS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
UCE	an8		C		USABLE ON CODE EQUIPMENT
UCA	an6		C		USABLE ON CODE ASSEMBLY
ICY	an2		C		INTERCHANGEABILITY

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CCS
<b>SEGMENT IN MESSAGES</b>	
<p>CSNIPD(D), CSNIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIIPCO(D), UIIPCO(M), UIIPCT(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<b>DATA ELEMENTS IN SEGMENT</b>	
<p>DATA ELEMENTS ARE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD, OR WHEN THEIR VALUE REQUIRES TO BE CHANGED.</p>	

## SPECIFICATION 2000M

SEGMENT FUNCTION PART LOCATION DATA (2)				SEGMENT CODE CDS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
CTL	an7		C		CATEGORY 1 CONTAINER LOCATION
ESC	n1		O		ESSENTIALITY CODE
MAP	n..2		C		MAINTENANCE PERCENT
CSR	n..3		O		CONSUMPTION RATE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CDS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF SPARABLE ITEM RECORDS.</p> <p>CSNIPD(D), CSNIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>CTL, MAP:-</p> <p>DATA ELEMENTS ARE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD, OR WHEN THEIR VALUE REQUIRES TO BE CHANGED.</p> <p>ESC, CSR:-</p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO THE USE OF ESC AND/OR CSR THEN THEY EFFECTIVELY BECOME CONDITIONAL, TO BE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE		
LOCATION RECOMMENDATIONS				CES		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	M	(1)		
CSNIPD	1A-7B	MASTER	M	(1)		
PNOIPD	1A-7C	DRAFT	—	—		
PNOIPD	1A-7C	MASTER	—	—		
UIPCO	1A-7D	DRAFT	C	(2)		
UIPCO	1A-7D	MASTER	C	(2)		
UIPCT	1A-7E	MASTER	C	(2)		
UIPPN	1A-7F	MASTER	—	—		
OBSINF	1A-7G	—	—	—		
CODREQ	1A-7H	—	—	—		
CORIPD	1A-7I	—	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
CHG	a1		M	M		CHANGE CODE
SRV	an..3	KEY	M	M		SERVICE
SMR	an..6		M	C		SOURCE MAINTENANCE RECOVERABILITY
RMQ	n..5		C	C		RECOMMENDED MAINTENANCE QUANTITY
ROQ	n..5		C	C		RECOMMENDED OVERHAUL REPAIR QUANTITY

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CES
<b>SEGMENT IN MESSAGES</b>  UPIPCO(D), UPIPCO(M), UPIPCT(M), CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN THE CES SEGMENT, OR TO ANY DATA ELEMENTS CONTAINED IN SEGMENTS WHICH "HANG" BELOW THE CES.	
<b>DATA ELEMENTS IN SEGMENT</b>  ESSENTIALITY SET (1)  RMQ, ROQ:- PROVIDED ONLY FOR SPARABLE ITEM RECORDS AND IN ACCORDANCE WITH THE CUSTOMER'S MAINTENANCE CONCEPT.  ESSENTIALITY SET (2)  SMR, RMQ, ROQ:- ONLY NEED TO BE PROVIDED WHEN CHANGES/CORRECTIONS ARE MADE TO THEIR VALUE. SMR IS MANDATORY WHEN CHANGE INTRODUCES AN ITEM.	

## SPECIFICATION 2000M

SEGMENT FUNCTION REFERENCE DESIGNATOR				SEGMENT CODE CFS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	—	—	
PNOIPD	1A-7C	MASTER	—	—	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	—	—	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
CHG	a1		M		CHANGE CODE
RFD	an..7	KEY	M		REFERENCE DESIGNATOR

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CFS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN RFD IS APPLICABLE TO THE ITEM RECORD, OR WHEN THERE IS A CHANGE/CORRECTION TO THE RFD.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p>	



## SPECIFICATION 2000M

SEGMENT FUNCTION LOCATION CHANGE DATA				SEGMENT CODE CGS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UIIPCO	1A-7D	DRAFT	C	(1)	
UIIPCO	1A-7D	MASTER	C	(1)	
UIIPCT	1A-7E	MASTER	C	(2)	
UIPPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(2)	

DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
IAI	a1		M	C		ILLUSTRATION AFFECTED INDICATOR
CAN	an..20		M	C		CHANGE AUTHORITY NUMBER

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CGS
<p><b>SEGMENT IN MESSAGES</b></p> <p>UPIPCO(D), UPIPCO(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WITH RECORDS THAT INTRODUCE "NEW" ITEMS.</p> <p>UPIPCT(M):-</p> <p>SEGMENT WOULD BE PROVIDED ONLY WHEN CUSTOMER/CONTRACTOR HAVE AGREED ITS USE. THE AGREED CONDITIONS OF USE WOULD ALSO APPLY.</p> <p>CORIPD:</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO IAI AND/OR CAN.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (2)</p> <p>IAI, CAN:-</p> <p>DATA ELEMENTS ARE PROVIDED ONLY WHEN THERE HAS BEEN A CHANGE TO THEIR VALUE.</p>	

## SPECIFICATION 2000M

SEGMENT FUNCTION LOCATION REFERENCE				SEGMENT CODE CHS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	–	–	
UPIPCO	1A-7D	MASTER	–	–	
UPIPCT	1A-7E	MASTER	–	–	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	C	(1)	
CORIPD	1A-7I	–	–	–	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
CSN	an13		M		CATALOGUE SEQUENCE NUMBER

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CHS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CODREQ:-</p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO USE THE CHS IN THIS MESSAGE, ITS ESSENTIALITY WOULD BECOME MANDATORY.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p>	

## SPECIFICATION 2000M

<b>SEGMENT FUNCTION</b> CROSS REFERENCE TO INTEGRATED LOGISTIC SUPPORT				<b>SEGMENT CODE</b> CIS	
<b>ESSENTIALITY OF SEGMENT IN MESSAGE</b>					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
<b>DATA ELEMENTS CONTAINED IN SEGMENT</b>					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
CHG	a1		M		CHANGE CODE
ILS	an..20	KEY	M		INTEGRATED LOGISTIC SUPPORT NUMBER

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CIS
<b>SEGMENT IN MESSAGES</b>  CSNIPD(D), CSNIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-  SEGMENT WOULD BE PROVIDED ONLY WHEN CUSTOMER/CONTRACTOR HAVE AGREED ITS USE. THE AGREED CONDITIONS OF USE WOULD ALSO APPLY.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

SEGMENT FUNCTION MODEL VERSION				SEGMENT CODE CJS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
CHG	a1		M		CHANGE CODE
MOV	an..2	KEY	M		MODEL VERSION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CJS
<b>SEGMENT IN MESSAGES</b>  CSNIPD(D), CSNIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-  SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF CHAPTERIZED IP PRESENTATIONS. IT IS TO BE PROVIDED EVEN IF ONLY ONE MODEL VERSION EXISTS.  UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO MODEL VERSION, OR TO ANY DATA ELEMENTS CONTAINED WITHIN THE SEGMENT CKS, WHICH "HANGS" BELOW IT.	
<b>DATA ELEMENTS IN SEGMENT</b>	



## SPECIFICATION 2000M

SEGMENT FUNCTION EFFECTIVITY				SEGMENT CODE CKS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
CHG	a1		M		CHANGE CODE
EFY	an..8	KEY	M		EFFECTIVITY

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE CKS
<b>SEGMENT IN MESSAGES</b>  CSNIPD(D), CSNIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-  SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF CHAPTERIZED IP PRESENTATIONS. IT IS ONLY PROVIDED WHEN A LIMITED RANGE OF EFFECTIVITY APPLIES.  UIPCO(D), UIPCO(M), UIPCT(M), CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO EFFECTIVITY.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

SEGMENT FUNCTION HEADER				SEGMENT CODE IPH	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	M	(1)	
CSNIPD	1A-7B	MASTER	M	(1)	
PNOIPD	1A-7C	DRAFT	M	(1)	
PNOIPD	1A-7C	MASTER	M	(1)	
UPIPCO	1A-7D	DRAFT	M	(1)	
UPIPCO	1A-7D	MASTER	M	(1)	
UPIPCT	1A-7E	MASTER	M	(1)	
UPIPPN	1A-7F	MASTER	M	(1)	
OBSINF	1A-7G	–	M	(2)	
CODREQ	1A-7H	–	M	(3)	
CORIPD	1A-7I	–	M	(2)	

DATA ELEMENTS CONTAINED IN SEGMENT							
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER				DATA ELEMENT NAME
			(1)	(2)	(3)		
IPP	an9	KEY	M	M	M		INITIAL PROVISIONING PROJECT NUMBER
MTP	an..6		M	M	M		MESSAGE TYPE
ISS	an2		M	–	–		ISSUE STANDARD
TOD	an5	KEY	M	M	M		TRANSMITTER OF DATA
ADD	an5	KEY	M	M	M		ADDRESSEE
FID	a1		M	M	M		FILE IDENTIFIER
MOI	an2		M	M	M		MODEL IDENTIFICATION
DRS	n3	KEY	M	M	M		DATA RELEASE SEQUENCE NUMBER
DRD	n6		M	M	M		DATA RELEASE DATE
LGE	a2		M	M	M		LANGUAGE CODE
IPS	an..19		M	M	M		INITIAL PROVISIONING PROJECT NUMBER SUBJECT
DRR	an8		–	C	–		DATA RELEASE REFERENCE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE IPH
<b>SEGMENT IN MESSAGES</b>	
<b>DATA ELEMENTS IN SEGMENT</b>	
ESSENTIALITY SET (2)	
DRR:-	
PROVIDED WHEN REFERENCE TO A PREVIOUS INCOMING OR OUTGOING MESSAGE IS REQUIRED.	

## SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE		
PROJECT CHANGE DATA				MAS		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	–	–		
CSNIPD	1A-7B	MASTER	–	–		
PNOIPD	1A-7C	DRAFT	–	–		
PNOIPD	1A-7C	MASTER	–	–		
UPIPCO	1A-7D	DRAFT	M	(1)		
UPIPCO	1A-7D	MASTER	M	(1)		
UPIPCT	1A-7E	MASTER	C	(1)		
UPIPPN	1A-7F	MASTER	C	(2)		
OBSINF	1A-7G	–	–	–		
CODREQ	1A-7H	–	–	–		
CORIPD	1A-7I	–	C	(1)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY			DATA ELEMENT NAME
			"SET" NUMBER			
			(1)	(2)		
CHG	a1		M	M		CHANGE CODE
IAI	a1		M	–		ILLUSTRATION AFFECTED INDICATOR
CAN	an..20	KEY	M	M		CHANGE AUTHORITY NUMBER

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE MAS
<b>SEGMENT IN MESSAGES</b>  UPIPCT(M), UPIPPN(M):-  SEGMENT WOULD BE PROVIDED ONLY WHEN CUSTOMER/CONTRACTOR HAVE AGREED ITS USE. THE AGREED CONDITIONS OF USE WOULD ALSO APPLY.  CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO IAI AND/OR CAN.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

<b>SEGMENT FUNCTION</b> LOCATION RELATED OBSERVATIONS				<b>SEGMENT CODE</b> OCS	
<b>ESSENTIALITY OF SEGMENT IN MESSAGE</b>					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	–	–	
UPIPCO	1A-7D	MASTER	–	–	
UPIPCT	1A-7E	MASTER	–	–	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	C	(1)	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	–	–	
<b>DATA ELEMENTS CONTAINED IN SEGMENT</b>					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
CSN	an13	KEY	M		CATALOGUE SEQUENCE NUMBER
ISN	an3	KEY	M		ITEM SEQUENCE NUMBER
OBS	an..130		M		OBSERVATION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE OCS
<p><b>SEGMENT IN MESSAGES</b></p> <p>OBSINF:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN LOCATION DATA RELATED OBSERVATIONS HAVE TO BE SUBMITTED.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p>	



## SPECIFICATION 2000M

<b>SEGMENT FUNCTION</b> PROJECT RELATED OBSERVATIONS				<b>SEGMENT CODE</b> OHS	
<b>ESSENTIALITY OF SEGMENT IN MESSAGE</b>					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	C	(1)	
PNOIPD	1A-7C	MASTER	C	(1)	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	M	(1)	
OBSINF	1A-7G	–	C	(1)	
CODREQ	1A-7H	–	C	(1)	
CORIPD	1A-7I	–	C	(1)	
<b>DATA ELEMENTS CONTAINED IN SEGMENT</b>					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
OSN	n1	KEY	M		OBSERVATION SEQUENCE NUMBER
OBS	an..130		M		OBSERVATION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE OHS
<b>SEGMENT IN MESSAGES</b>  CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), OBSINF, CODREQ, CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN PROJECT RELATED OBSERVATIONS HAVE TO BE SUBMITTED.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

<b>SEGMENT FUNCTION</b> ILLUSTRATION RELATED OBSERVATIONS				<b>SEGMENT CODE</b> OIS	
<b>ESSENTIALITY OF SEGMENT IN MESSAGE</b>					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	–	–	
UPIPCO	1A-7D	MASTER	–	–	
UPIPCT	1A-7E	MASTER	–	–	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	C	(1)	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	–	–	
<b>DATA ELEMENTS CONTAINED IN SEGMENT</b>					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
CSN	an13	KEY	M		CATALOGUE SEQUENCE NUMBER
OBS	an..130		M		OBSERVATION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE OIS
<b>SEGMENT IN MESSAGES</b>  OBSINF:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN ILLUSTRATION RELATED OBSERVATIONS HAVE TO BE SUBMITTED.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

SEGMENT FUNCTION PART RELATED OBSERVATIONS				SEGMENT CODE OPS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	–	–	
UPIPCO	1A-7D	MASTER	–	–	
UPIPCT	1A-7E	MASTER	–	–	
UPIPPN	1A-7F	MASTER	–	–	
OBSINF	1A-7G	–	C	(1)	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	–	–	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
PNR	an..32	KEY	M		PART NUMBER
MFC	an5	KEY	M		NATO SUPPLY CODE FOR MANUFACTURERS
OBS	an..130		M		OBSERVATION

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE OPS
<b>SEGMENT IN MESSAGES</b>  OBSINF:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN PARTS RELATED OBSERVATIONS HAVE TO BE SUBMITTED.	
<b>DATA ELEMENTS IN SEGMENT</b>	

# SPECIFICATION 2000M

SEGMENT FUNCTION PART IDENTITY				SEGMENT CODE PAS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	M	(2)	
PNOIPD	1A-7C	MASTER	M	(2)	
UPIPCO	1A-7D	DRAFT	C	(3)	
UPIPCO	1A-7D	MASTER	C	(3)	
UPIPCT	1A-7E	MASTER	C	(3)	
UPIPPN	1A-7F	MASTER	C	(3)	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	M	(2)/(4)	
CORIPD	1A-7I	–	C	(3)	

DATA ELEMENTS CONTAINED IN SEGMENT							
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER				DATA ELEMENT NAME
			(1)	(2)	(3)	(4)	
CHG	a1		M	M	M	M	CHANGE CODE
PNR	an..32	KEY	M	M	M	M	PART NUMBER
MFC	an5	KEY	M	M	M	M	NATO SUPPLY CODE FOR MANUFACTURER
DFP	an..130		M	M	C	–	DESCRIPTION FOR PART
INC	an5		C	M	C	–	ITEM NAME CODE
NSN	(COMPOSITE)		C	M	C	–	NATO STOCK NUMBER
nsc	n4		M	M	C	–	NATO Supply Class
nin	n9		C	C	C	–	NATO Item Identification Number
RNC	an1		C	C	C	–	REFERENCE NUMBER CATEGORY CODE
RNV	n1		C	C	C	–	REFERENCE NUMBER VARIATION CODE
RNJ	n1		C	C	C	–	REFERENCE NUMBER JUSTIFICATION CODE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PAS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN PARTS DATA HAS NOT BEEN PREVIOUSLY TRANSMITTED (WITHIN THE AGREED SCOPE OF PARTS DATA COMMONALITY).</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN THE PAS, OR TO ANY DATA ELEMENTS CONTAINED IN SEGMENTS WHICH "HANG" BELOW THE PAS.</p> <p>CODREQ:-</p> <p>WHEN CODREQ MESSAGE IS USED TO WITHDRAW AUTHORIZED DATA RECEIVER INTEREST, ESSENTIALITY SET (4) APPLIES.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (1)</p> <p>INC, NSN, NIN:-</p> <p>DATA ELEMENTS ARE TO BE PROVIDED FOR SPARABLE ITEM RECORDS. WHEN THE ITEM HAS BEEN CODIFIED, THE NIN HAS TO BE PROVIDED.</p> <p>RNC, RNV, RNJ:-</p> <p>DATA ELEMENTS ARE TO BE PROVIDED FOR SPARABLE ITEM RECORDS IN ACCORDANCE WITH THE CODIFICATION PROCEDURES.</p> <p>ESSENTIALITY SET (2)</p> <p>NIN:-</p> <p>WHEN THE ITEM HAS BEEN CODIFIED, THE NIN HAS TO BE PROVIDED.</p> <p>RNC, RNV, RNJ:-</p> <p>DATA ELEMENTS ARE TO BE PROVIDED FOR SPARABLE ITEM RECORDS IN ACCORDANCE WITH THE CODIFICATION PROCEDURES.</p> <p>ESSENTIALITY SET (3)</p> <p>DFP, INC, NSN, RNC, RNV, RNJ:-</p> <p>ONLY NEED TO BE PROVIDED WHEN THERE HAS BEEN A CHANGE TO THEIR VALUE. FOR NSN IT COULD BE A CHANGE TO NSC OR NIN OR BOTH.</p>	



# SPECIFICATION 2000M

SEGMENT FUNCTION SPARABLE ITEM DATA				SEGMENT CODE PBS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(2)	
PNOIPD	1A-7C	DRAFT	M	(1)	
PNOIPD	1A-7C	MASTER	M	(2)	
UIPCO	1A-7D	DRAFT	C	(3)	
UIPCO	1A-7D	MASTER	C	(3)	
UIPCT	1A-7E	MASTER	C	(3)	
UIPPN	1A-7F	MASTER	C	(3)	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(3)	

DATA ELEMENTS CONTAINED IN SEGMENT							
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER				DATA ELEMENT NAME
			(1)	(2)	(3)		
UOI	a2		M	M	C		UNIT OF ISSUE
SPQ	n..4		M	M	C		STANDARD PACKAGE QUANTITY
TOP	an2		C	M	C		TYPE OF PRICE
ITY	an2		M	M	C		ITEM TYPE
SPC	n1		M	M	C		SPARE PARTS CLASSIFICATION
PLT	n..2		M	M	C		PURCHASING LEAD TIME
STR	n1		M	M	C		SPECIAL STORAGE
SLC	an1		C	M	C		SHELF LIFE CODE
PLC	an1		C	M	C		PACKAGING LEVEL CODE
PCD	an..2		M	M	C		PROCUREMENT CODE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PBS
<b>SEGMENT IN MESSAGES</b>	
<p>CSNIPD(D), CSNIPD(M):-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF SPARABLE ITEM RECORDS.</p> <p>UIIPCO(D), UIIPCO(M), UIIPCT(M), UIIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<b>DATA ELEMENTS IN SEGMENT</b>	
<p>ESSENTIALITY SET (1)</p> <p>TOP, SLC, PLC:-</p> <p>DATA ELEMENTS ARE TO BE PROVIDED WHEN THEY ARE AVAILABLE. ADDITIONALLY, THE PLC MUST BE PROVIDED WHEN ITEM REQUIRES A CAT 1 CONTAINER.</p> <p>ESSENTIALITY SET (3)</p> <p>ALL DATA ELEMENTS:-</p> <p>DATA ELEMENTS ARE TO BE PROVIDED WHEN THEIR VALUE REQUIRES TO BE CHANGED.</p>	

## SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE		
UNIT OF ISSUE QUALIFICATION				PCS		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	C	(1)		
CSNIPD	1A-7B	MASTER	C	(1)		
PNOIPD	1A-7C	DRAFT	C	(1)		
PNOIPD	1A-7C	MASTER	C	(1)		
UIIPCO	1A-7D	DRAFT	C	(2)		
UIIPCO	1A-7D	MASTER	C	(2)		
UIIPCT	1A-7E	MASTER	C	(2)		
UIIPPN	1A-7F	MASTER	C	(2)		
OBSINF	1A-7G	—	—	—		
CODREQ	1A-7H	—	—	—		
CORIPD	1A-7I	—	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
UOM	a2		M	C		UNIT OF MEASURE
QUI	n..4		M	C		QUANTITY PER UNIT OF ISSUE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PCS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OR SPARABLE ITEM RECORDS WHICH CONTAIN NON DEFINITIVE UOI.</p> <p>UIIPCO(D), UIIPCO(M), UIIPCT(M), UIIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN CHANGES/CORRECTIONS OCCUR TO UOM OR QUI.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (2):-</p> <p>DATA ELEMENTS ONLY NEED TO BE PROVIDED WHEN CHANGES/ CORRECTIONS ARE MADE TO THEIR VALUE.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE	
PRICE DATA				PDS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	C	(1)	
PNOIPD	1A-7C	MASTER	C	(1)	
UIPCO	1A-7D	DRAFT	C	(2)	
UIPCO	1A-7D	MASTER	C	(2)	
UIPCT	1A-7E	MASTER	C	(2)	
UIPPN	1A-7F	MASTER	C	(2)	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(2)	

DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY			DATA ELEMENT NAME
			"SET" NUMBER			
			(1)	(2)		
UPR	n..12		M	C		UNIT PRICE
CUR	a3		M	C		CURRENCY CODE
MSQ	n..5		C	C		MINIMUM SALES QUANTITY
PBD	(COMPOSITE)		C	C		PRICE BREAK DATA
qty	n..5		M	M		Quantity
qty	n..5		M	M		Quantity
upr	n..12		M	M		Unit Price
qty	n..5		C	C		Quantity
qty	n..5		C	C		Quantity
upr	n..12		C	C		Unit Price
qty	n..5		C	C		Quantity
qty	n..5		C	C		Quantity
upr	n..12		C	C		Unit Price

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PDS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF SPARABLE ITEM RECORDS WHICH REQUIRE PRICE DATA TO BE SUPPLIED. IN ADDITION, DRAFT STANDARD MESSAGES MAY BE PROVIDED WITHOUT THIS SEGMENT, IF DATA IS NOT AVAILABLE.</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (1):-</p> <p>MSQ, PBD:-</p> <p>DATA ELEMENTS NEED TO BE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD.</p> <p>ESSENTIALITY SET (2):-</p> <p>DATA ELEMENTS ONLY NEED TO BE PROVIDED WHEN CHANGES/ CORRECTIONS ARE MADE TO THEIR VALUE.</p> <p>ESSENTIALITY SETS (1) AND (2):-</p> <p>QTY, UPR:-</p> <p>DATA ELEMENTS ONLY NEED TO BE PROVIDED WHEN MORE THAN ONE SET OF PRICE BREAK INFORMATION EXISTS.</p>	

## SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE		
RELIABILITY AND MAINTAINABILITY DATA				PES		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	C	(1)		
CSNIPD	1A-7B	MASTER	C	(1)		
PNOIPD	1A-7C	DRAFT	C	(1)		
PNOIPD	1A-7C	MASTER	C	(1)		
UIPCO	1A-7D	DRAFT	C	(2)		
UIPCO	1A-7D	MASTER	C	(2)		
UIPCT	1A-7E	MASTER	C	(2)		
UIPPN	1A-7F	MASTER	C	(2)		
OBSINF	1A-7G	—	—	—		
CODREQ	1A-7H	—	—	—		
CORIPD	1A-7I	—	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY			DATA ELEMENT NAME
			"SET" NUMBER			
			(1)	(2)		
CRT	n..3		C	C		CONTRACTOR REPAIR TURNAROUND TIME
SRA	n..2		C	C		SCRAP RATE
MTI	(COMPOSITE)		C	C		MEAN TIME BETWEEN FAILURES/TCIBF
tbf	n..6		M	C		Mean Time Between Failures
tcm	a..2		M	C		Time/Cycle Indicator/MTBF
TBI	(COMPOSITE)		C	C		TIME BETWEEN OVERHAULS/TCIBO
tbo	n..6		M	C		Time Between Overhauls
tco	a..2		M	C		Time/Cycle Indicator/TBO
TSI	(COMPOSITE)		C	C		TIME BETW'N SCHED'D SHOP VISITS/TCISV
tsv	n..6		M	C		Time Between Scheduled Shop Visits
tcs	a..2		M	C		Time/Cycle Indicator/TBSSV
ALI	(COMPOSITE)		C	C		AUTHORISED LIFE/TCIAL
aul	n..6		M	C		Authorised Life
tca	a..2		M	C		Time/Cycle Indicator/AL
TLF	n..3		C	C		TOTAL LIFE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PES
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(M), PNOIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF SPARABLE ITEM RECORDS.</p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (1):-</p> <p>DATA ELEMENTS NEED TO BE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD.</p> <p>ESSENTIALITY SET (2):-</p> <p>DATA ELEMENTS ONLY NEED TO BE PROVIDED WHEN CHANGES/CORRECTIONS ARE MADE TO THEIR VALUE.</p>	



# SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE	
MISCELLANEOUS PARTS DATA				PFS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	C	(1)	
PNOIPD	1A-7C	MASTER	C	(1)	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	C	(1)	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
DMC	an..6		C		DOMESTIC MANAGEMENT CODE
HAZ	an4		C		HAZARDOUS MATERIAL
PIC	n1		O		POOL ITEM CANDIDATE
FTC	an1		C		FITMENT CODE
PSC	an1		O		PHYSICAL SECURITY/PILFERAGE CODE
ESD	n1		C		ELECTROSTATIC SENSITIVE DEVICE
CMK	n1		C		CALIBRATION MARKER

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PFS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT IS TO BE PROVIDED ONLY IN SUPPORT OF SPARABLE ITEM RECORDS.</p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>DMC, HAZ, FTC, ESD, CMK:-</p> <p>DATA ELEMENTS ARE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD, OR WHEN THEIR VALUE REQUIRES TO BE CHANGED.</p> <p>PIC, PSC:-</p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO THE USE OF PIC AND/OR PSC THEN THEY EFFECTIVELY BECOME CONDITIONAL, TO BE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD.</p>	

## SPECIFICATION 2000M

SEGMENT FUNCTION PHYSICAL CHARACTERISTICS				SEGMENT CODE PGS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	C	(1)	
CSNIPD	1A-7B	MASTER	C	(1)	
PNOIPD	1A-7C	DRAFT	C	(1)	
PNOIPD	1A-7C	MASTER	C	(1)	
UPIPCO	1A-7D	DRAFT	C	(1)	
UPIPCO	1A-7D	MASTER	C	(1)	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	C	(1)	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
SUU	an14		O		SIZE OF UNPACKAGED UNIT
SPU	an14		O		SIZE OF PACKAGED UNIT
WUU	an7		O		WEIGHT OF UNPACKAGED UNIT
WPU	an7		O		WEIGHT OF PACKAGED UNIT

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PGS
<p><b>SEGMENT IN MESSAGES</b></p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M), UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO THE USE OF THE OPTIONAL DATA, THEN THE SEGMENT WILL BE PROVIDED IN SUPPORT OF SPARABLE ITEM DATA.</p> <p>CSNIPD(D), CSNIPD(M), PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN ANY OF THE DATA ELEMENTS IT CONTAINS ARE APPLICABLE TO THE ITEM RECORD.</p> <p>UIPCO(D), UIPCO(M), UIPCT(M), UIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED TO THE USE OF THESE DATA ELEMENTS THEN THEY EFFECTIVELY BECOME CONDITIONAL, TO BE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE		
CATEGORY I CONTAINER				PHS		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	–	–		
CSNIPD	1A-7B	MASTER	–	–		
PNOIPD	1A-7C	DRAFT	C	(1)		
PNOIPD	1A-7C	MASTER	C	(1)		
UPIPCO	1A-7D	DRAFT	–	–		
UPIPCO	1A-7D	MASTER	–	–		
UPIPCT	1A-7E	MASTER	–	–		
UPIPPN	1A-7F	MASTER	C	(2)		
OBSINF	1A-7G	–	–	–		
CODREQ	1A-7H	–	–	–		
CORIPD	1A-7I	–	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY			DATA ELEMENT NAME
			"SET" NUMBER			
			(1)	(2)		
CTI	(COMPOSITE)		M	M		CATEGORY 1 CONTAINER IDENTIFICATION
mfc	an5		M	C		NATO Supply Code For Manufacturer
pnr	an..32		M	C		Part Number

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PHS
<b>SEGMENT IN MESSAGES</b>	
<p>PNOIPD(D), PNOIPD(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN A CTI IS APPLICABLE TO THE ITEM RECORD.</p> <p>UPIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO THE CTI.</p>	
<b>DATA ELEMENTS IN SEGMENT</b>	
<p>ESSENTIALITY SET (2):-</p> <p>DATA ELEMENTS ONLY NEED TO BE PROVIDED WHEN CHANGES/ CORRECTIONS ARE MADE TO THEIR VALUE.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION PART RECOMMENDATIONS				SEGMENT CODE PIS		
ESSENTIALITY OF SEGMENT IN MESSAGE						
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)		
CSNIPD	1A-7B	DRAFT	—	—		
CSNIPD	1A-7B	MASTER	—	—		
PNOIPD	1A-7C	DRAFT	M	(1)		
PNOIPD	1A-7C	MASTER	M	(1)		
UPIPCO	1A-7D	DRAFT	—	—		
UPIPCO	1A-7D	MASTER	—	—		
UPIPCT	1A-7E	MASTER	—	—		
UPIPPN	1A-7F	MASTER	C	(2)		
OBSINF	1A-7G	—	—	—		
CODREQ	1A-7H	—	—	—		
CORIPD	1A-7I	—	C	(2)		
DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
CHG	a1		M	M		CHANGE CODE
SRV	an..3	KEY	M	M		SERVICE
TQY	an..5		M	C		TOTAL QUANTITY
RMQ	n..5		C	C		RECOMMENDED MAINTENANCE QUANTITY
ROQ	n..5		C	C		RECOMMENDED OVERHAUL REPAIR QUANTITY

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PIS
<b>SEGMENT IN MESSAGES</b>  UPIPPN(M), CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.	
<b>DATA ELEMENTS IN SEGMENT</b>  ESSENTIALITY SET (1)  RMQ, ROQ:- DATA ELEMENTS ARE PROVIDED WHEN THEY ARE APPLICABLE TO THE ITEM RECORD IN ACCORDANCE WITH THE CUSTOMER'S MAINTENANCE CONCEPT.  ESSENTIALITY SET (2)  TQY, RMQ, ROQ:- ONLY NEED TO BE PROVIDED WHEN CHANGES/CORRECTIONS ARE MADE THEIR VALUE.	



## SPECIFICATION 2000M

SEGMENT FUNCTION REPLACEMENT PART				SEGMENT CODE PJS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	–	–	
CSNIPD	1A-7B	MASTER	–	–	
PNOIPD	1A-7C	DRAFT	–	–	
PNOIPD	1A-7C	MASTER	–	–	
UPIPCO	1A-7D	DRAFT	–	–	
UPIPCO	1A-7D	MASTER	–	–	
UPIPCT	1A-7E	MASTER	C	(1)	
UPIPPN	1A-7F	MASTER	C	(1)	
OBSINF	1A-7G	–	–	–	
CODREQ	1A-7H	–	–	–	
CORIPD	1A-7I	–	C	(1)	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER		DATA ELEMENT NAME
			(1)		
PNR	an..32	KEY	M		PART NUMBER
MFC	an5	KEY	M		NATO SUPPLY CODE FOR MANUFACTURERS
RPP	an..32		M		REPLACING PART NUMBER
RMF	an5		M		REPLACING NATO SUPPLY CODE FOR MANUFACTURERS

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PJS
<b>SEGMENT IN MESSAGES</b>  UPIPCT(M), UPIPPN(M):-  SEGMENT IS TO BE PROVIDED ONLY WHEN THE REPLACEMENT OF A PART IS REQUIRED AT THE ITEM RECORD. THIS REPLACEMENT APPLIES TO THE FULL EXTENT OF THE AGREED PARTS DATA COMMONALITY.  CORIPD:-  SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.	
<b>DATA ELEMENTS IN SEGMENT</b>	

## SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE	
ICY 9 PART				PKS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	—	—	
CSNIPD	1A-7B	MASTER	—	—	
PNOIPD	1A-7C	DRAFT	—	—	
PNOIPD	1A-7C	MASTER	—	—	
UPIPCO	1A-7D	DRAFT	—	—	
UPIPCO	1A-7D	MASTER	—	—	
UPIPCT	1A-7E	MASTER	—	—	
UPIPPN	1A-7F	MASTER	—	—	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	C	(1)	
CORIPD	1A-7I	—	—	—	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
PNR	an..32	KEY	M		PART NUMBER
MFC	an5	KEY	M		NATO SUPPLY CODE FOR MANUFACTURERS

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PKS
<b>SEGMENT IN MESSAGES</b>  SEGMENT IS TO BE PROVIDED WHEN A PART HAS AN INTERCHANGEABILITY 9 SITUATION WITH THE PART NUMBER APPEARING IN THE PAS SEGMENT.	
<b>DATA ELEMENTS IN SEGMENT</b>	

# SPECIFICATION 2000M

SEGMENT FUNCTION				SEGMENT CODE	
SUPPLY DATA				PMS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	—	—	
CSNIPD	1A-7B	MASTER	—	—	
PNOIPD	1A-7C	DRAFT	—	—	
PNOIPD	1A-7C	MASTER	—	—	
UPIPCO	1A-7D	DRAFT	—	—	
UPIPCO	1A-7D	MASTER	—	—	
UPIPCT	1A-7E	MASTER	—	—	
UPIPPN	1A-7F	MASTER	—	—	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	C	(1)	
CORIPD	1A-7I	—	—	—	
DATA ELEMENTS CONTAINED IN SEGMENT					
TEI	FORMAT	KEY DATA	ESSENTIALITY		DATA ELEMENT NAME
			"SET" NUMBER		
			(1)		
UOI	a2		M		UNIT OF ISSUE
UOM	a2		C		UNIT OF MEASURE
QUI	n..4		C		QUANTITY PER UNIT OF ISSUE

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE PMS
<p><b>SEGMENT IN MESSAGES</b></p> <p>WHEN CUSTOMER/CONTRACTOR HAVE AGREED THE USE OF THIS SEGMENT, IT WILL BE PROVIDED WHEN THE DATA IS REQUIRED TO QUALIFY THE ITEM FOR NSN ALLOCATION.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>UOM, UOI:- DATA ELEMENTS ARE TO BE PROVIDED WHEN UOI IS NON DEFINITIVE.</p>	

# SPECIFICATION 2000M

SEGMENT FUNCTION SUBJECT VARIANT				SEGMENT CODE VAS	
ESSENTIALITY OF SEGMENT IN MESSAGE					
MESSAGE	ANNEX REFERENCE	ISSUE STANDARD	ESSENTIALITY	"SET"(SEE BELOW)	
CSNIPD	1A-7B	DRAFT	M	(1)	
CSNIPD	1A-7B	MASTER	M	(1)	
PNOIPD	1A-7C	DRAFT	M	(1)	
PNOIPD	1A-7C	MASTER	M	(1)	
UPIPCO	1A-7D	DRAFT	C	(2)	
UPIPCO	1A-7D	MASTER	C	(2)	
UPIPCT	1A-7E	MASTER	C	(2)	
UPIPPN	1A-7F	MASTER	C	(2)	
OBSINF	1A-7G	—	—	—	
CODREQ	1A-7H	—	—	—	
CORIPD	1A-7I	—	C	(2)	

DATA ELEMENTS CONTAINED IN SEGMENT						
TEI	FORMAT	KEY DATA	ESSENTIALITY "SET" NUMBER			DATA ELEMENT NAME
			(1)	(2)		
CHG	a1		M	M		CHANGE CODE
SID	(COMPOSITE)	KEY	M	M		SUBJECT IDENTIFICATION
mfc	an5		M	M		NATO Supply Code For Manufacturer
pnr	an..32		M	M		Part Number
SNS	(COMPOSITE)		C	C		SUBJECT NATO STOCK NUMBER
nsc	n4		M	C		NATO Supply Class
nin	n9		M	C		NATO Item Identification Number

REMARKS ON BUSINESS ESSENTIALITY	SEGMENT CODE VAS
<p><b>SEGMENT IN MESSAGES</b></p> <p>UIPCO(D), UIPCO(M), UPIPCT(M), UPIPPN(M), CORIPD:-</p> <p>SEGMENT NEEDS TO BE PROVIDED ONLY WHEN CHANGES/CORRECTIONS OCCUR TO ANY OF THE DATA ELEMENTS CONTAINED WITHIN IT.</p> <p>UIPCO(D), UIPCO(M), UPIPPN(M):-</p> <p>SEGMENT NEEDS TO BE PROVIDED WHEN A NEW VARIANT IS INTRODUCED.</p>	
<p><b>DATA ELEMENTS IN SEGMENT</b></p> <p>ESSENTIALITY SET (1)</p> <p>SNS:-</p> <p>NEEDS TO BE PROVIDED WHEN THE ITEM HAS BEEN CODIFIED.</p> <p>ESSENTIALITY SET (2)</p> <p>SNS, NSC, NIN:-</p> <p>ONLY NEED TO BE PROVIDED WHEN THERE HAS BEEN A CHANGE TO THEIR VALUE, IT COULD BE A CHANGE TO NSC OR NIN OR BOTH.</p>	



# SPECIFICATION 2000M

## 2. CROSS REFERENCE TABLE: SEGMENT - MESSAGE

MESSAGES								
SEGMENT CODE	CSN IPD	PNO IPD	UPI PCO	UPI PCT	UPI PPN	OBS INF	COD REQ	COR IPD
CAS	X		X	X				X
CBS	X		X	X				X
CCS	X		X	X				X
CDS	X		X	X				X
CES	X		X	X				X
CFS	X		X	X				X
CGS			X	X				X
CHS							X	
CIS	X		X	X				X
CJS	X		X	X				X
CKS	X		X	X				X
IPH	X	X	X	X	X	X	X	X
MAS			X	X	X			X
OCS						X		
OHS	X	X	X	X	X	X	X	X
OIS						X		
OPS						X		
PAS	X	X	X	X	X		X	X
PBS	X	X	X	X	X			X
PCS	X	X	X	X	X			X
PDS	X	X	X	X	X			X
PES	X	X	X	X	X			X
PFS	X	X	X	X	X			X
PGS	X	X	X	X	X			X
PHS		X			X			X
PIS		X			X			X
PJS				X	X			X
PKS							X	
PMS							X	
VAS	X	X	X	X	X			X

**3. CROSS REFERENCE TABLE: DATA ELEMENT NAME - SEGMENT**

DATA ELEMENT	SEGMENT
ADDRESSEE	IPH
ATTACHING, STORAGE OR SHIPPING PART	CBS
AUTHORIZED LIFE	PES
CALIBRATION MARKER	PFS
CATALOGUE SEQUENCE NUMBER	CAS, CHS, OCS, OIS
CATEGORY 1 CONTAINER IDENTIFICATION	PHS
CATEGORY 1 CONTAINER LOCATION	CDS
CHANGE AUTHORITY NUMBER	CGS, MAS
CHANGE CODE	CAS, CES, CFS, CIS, CJS, CKS, MAS, PAS, PIS, VAS
CONSUMPTION RATE	CDS
CONTRACTOR REPAIR TURNAROUND TIME	PES
CURRENCY CODE	PDS
DATA RELEASE DATE	IPH
DATA RELEASE REFERENCE	IPH
DATA RELEASE SEQUENCE NUMBER	IPH
DESCRIPTION FOR LOCATION	CBS
DESCRIPTION FOR PART	PAS
DOMESTIC MANAGEMENT CODE	PFS
EFFECTIVITY	CKS
ELECTROSTATIC SENSITIVE DEVICE	PFS
ESSENTIALITY CODE	CDS
FILE IDENTIFIER	IPH
FITMENT CODE	PFS
HAZARDOUS MATERIAL	PFS
ILLUSTRATION AFFECTED INDICATOR	CGS, MAS
INDENTURE	CAS
INITIAL PROVISIONING PROJECT NUMBER	IPH
INITIAL PROVISIONING PROJECT NUMBER	
SUBJECT	IPH
INTEGRATED LOGISTIC SUPPORT NUMBER	CIS
INTERCHANGEABILITY	CCS
ISSUE STANDARD	IPH
ITEM NAME CODE	PAS
ITEM SEQUENCE NUMBER	CAS, OCS
ITEM TYPE	PBS
LANGUAGE CODE	IPH
MAINTENANCE PERCENT	CDS
MEAN TIME BETWEEN FAILURES	PES
MESSAGE TYPE	IPH
MINIMUM SALES QUANTITY	PDS
MODEL IDENTIFICATION	IPH
MODEL VERSION	CJS
NATO STOCK NUMBER	CAS, PAS
NATO SUPPLY CLASS	CAS, PAS, VAS

## SPECIFICATION 2000M

DATA ELEMENT	SEGMENT
NATO ITEM IDENTIFICATION NUMBER	CAS, PAS, VAS
NATO SUPPLY CODE FOR MANUFACTURERS	CAS, OPS, PAS, PHS, PJS, PKS, VAS
NOT ILLUSTRATED	CBS
OBSERVATION	OCS, OHS, OIS, OPS
OBSERVATION SEQUENCE NUMBER	OHS
PACKING LEVEL CODE	PBS
PART NUMBER	CAS, OPS, PAS, PHS, PJS, PKS, VAS
PHYSICAL SECURITY/PILFERAGE CODE	PFS
POOL ITEM CANDIDATE	PFS
PRICE BREAK DATA	PDS
PROCUREMENT CODE	PBS
PURCHASING LEAD TIME	PBS
QUANTITY PER NEXT HIGHER ASSEMBLY	CAS
QUANTITY PER UNIT OF ISSUE	PCS, PMS
REASON FOR SELECTION	CAS
RECOMMENDED MAINTENANCE QUANTITY	CES, PIS
RECOMMENDED OVERHAUL/REPAIR QUANTITY	CES, PIS
REFER TO	CBS
REFERENCE DESIGNATOR	CFS
REFERENCE NUMBER CATEGORY CODE	PAS
REFERENCE NUMBER JUSTIFICATION CODE	PAS
REFERENCE NUMBER VARIATION CODE	PAS
REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	PJS
REPLACING PART NUMBER	PJS
SCRAP RATE	PES
SELECT OR MANUFACTURE FROM IDENTIFIER	CBS
SELECT OR MANUFACTURE FROM RANGE	CBS
SERVICE	CES, PIS
SHELF LIFE CODE	PBS
SIZE OF PACKAGED UNIT	PGS
SIZE OF UNPACKAGED UNIT	PGS
SOURCE MAINTENANCE RECOVERABILITY	CES
SPARE PARTS CLASSIFICATION	PBS
SPECIAL STORAGE	PBS
STANDARD PACKAGE QUANTITY	PBS
SUBJECT IDENTIFICATION	VAS
SUBJECT NATO STOCK NUMBER	VAS
TIME BETWEEN OVERHAULS	PES
TIME BETWEEN SCHEDULED SHOP VISITS	PES
TIME/CYCLE INDICATOR/AL	PES
TIME/CYCLE INDICATOR/MTBF	PES
TIME/CYCLE INDICATOR/TBO	PES
TIME/CYCLE INDICATOR/TBSSV	PES

DATA ELEMENT	SEGMENT
TOTAL LIFE	PES
TOTAL QUANTITY	PIS
TOTAL QUANTITY PER LOCATION	CAS
TRANSMITTER OF DATA	IPH
TYPE OF PRICE	PBS
UNIT OF ISSUE	PBS, PMS
UNIT OF MEASURE	PCS, PMS
UNIT PRICE	PDS
USABLE ON CODE ASSEMBLY	CCS
USABLE ON CODE EQUIPMENT	CCS
WEIGHT OF PACKAGED UNIT	PGS
WEIGHT OF UNPACKAGED UNIT	PGS

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SECTION 1A-7

ANNEX B

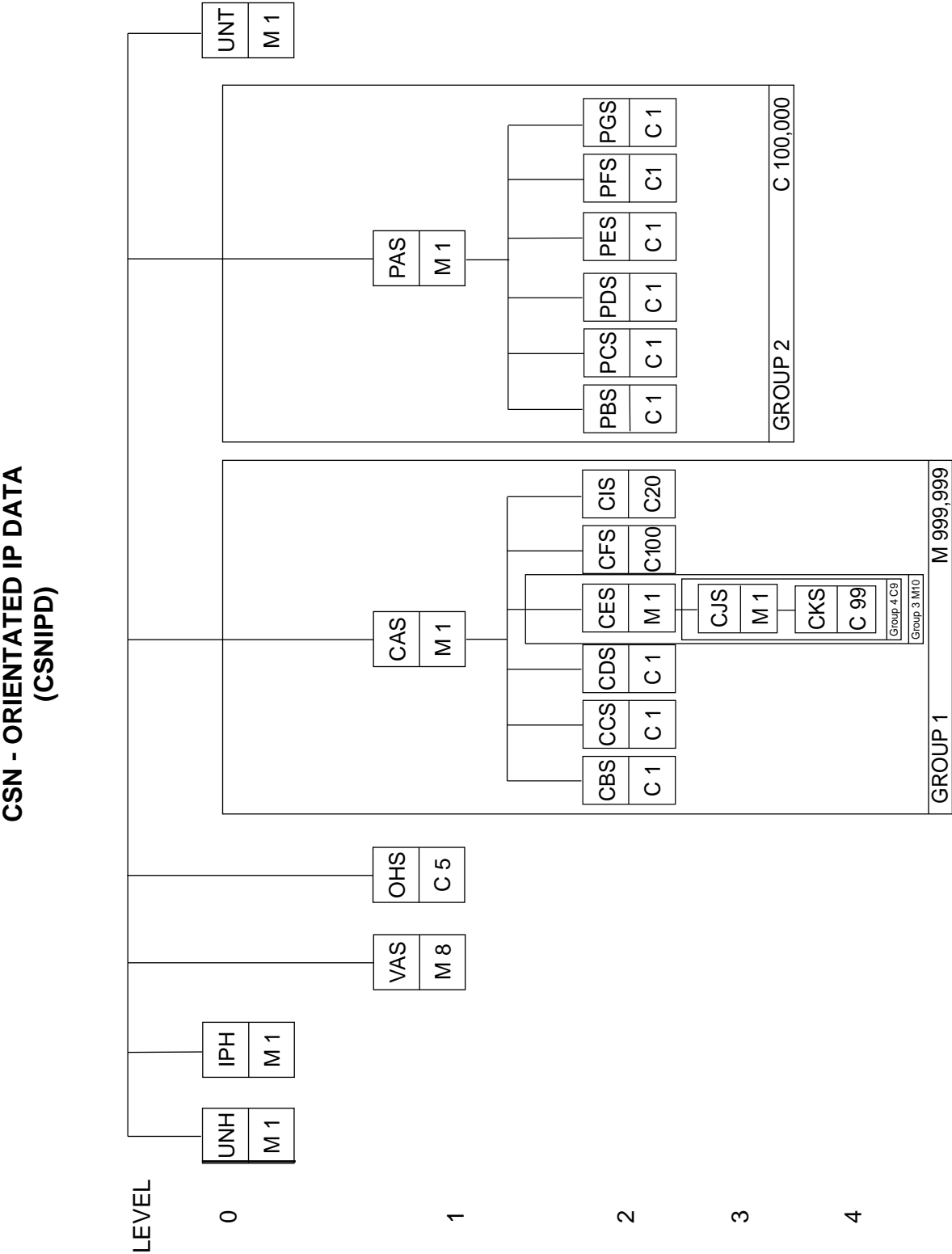
CSN - ORIENTATED IP DATA  
(CSNIPD)

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1. BRANCHING DIAGRAM





### **CSNIPD**

#### **2. MESSAGE DESCRIPTION**

This CSN-orientated IP data message is used for the transmission of IP data which has been compiled in accordance with the CSN-orientated IP procedure. It is used to transmit IP Projects at Draft and Master standard.

The VAS segment is used as an extension of the header segment (IPH) to hold the identification (PN, NSCM and NSN) of the subject for which the IP Project has been prepared. In those cases where the IP Project presents data against variants of the subject, then this segment is repeated the appropriate number of times to hold all the variants' identifications.

The OHS segment provides the means for the Contractor to transmit free text in association with the IP data transmission. This may be used to provide planning dates for meetings or other project related information.

The CAS segment contains the mandatory location - related data necessary to support all records. It also provides the identification of the part which is applicable to the location, with the NSN field as optional data. This part identification enables the association to be made between the CSN and the relevant part-related data provided in the other branch of the message.

The optional NSN field is used in those cases where the use of non-definitive part numbers cannot be avoided in a project and its inclusion is necessary to fully identify a part.

The segments CBS, CCS, CDS and CFS are conditional segments and are provided according to the nature of the item. The segment CES is mandatory and must always contain the Service and SMR Codes. Associated with each CES segment is one or more mandatory CJS segments, which identify the Customer's Aircraft or Engine Model Version(s) in which the item is fitted at this location. If the item is fitted to a restricted range of Aircraft or Engines, within the Model Version, then the CKS segment is also provided to indicate this Effectivity.

The PAS segment is the key segment to the part-related data and, in those cases where agreement has established the use of non-definitive part numbers, the inclusion of the NSN in this segment allows a different parts data set to be provided for items with the same PN but different NSNs.

The segments PBS, PCS, PDS, PES and PFS are conditional and are provided according to the nature of the item. Segment PBS contains the mandatory data which is to be provided if the item is a recommended spare, whilst PES contains data appropriate to a repairable item.

The segment PAS and its associated segments in group 2 are provided once for each Part Number appearing in the IP Project; this is true even if the part appears in more than one location. In this latter case a CAS and associated segments would be provided for

**CSNIPD**

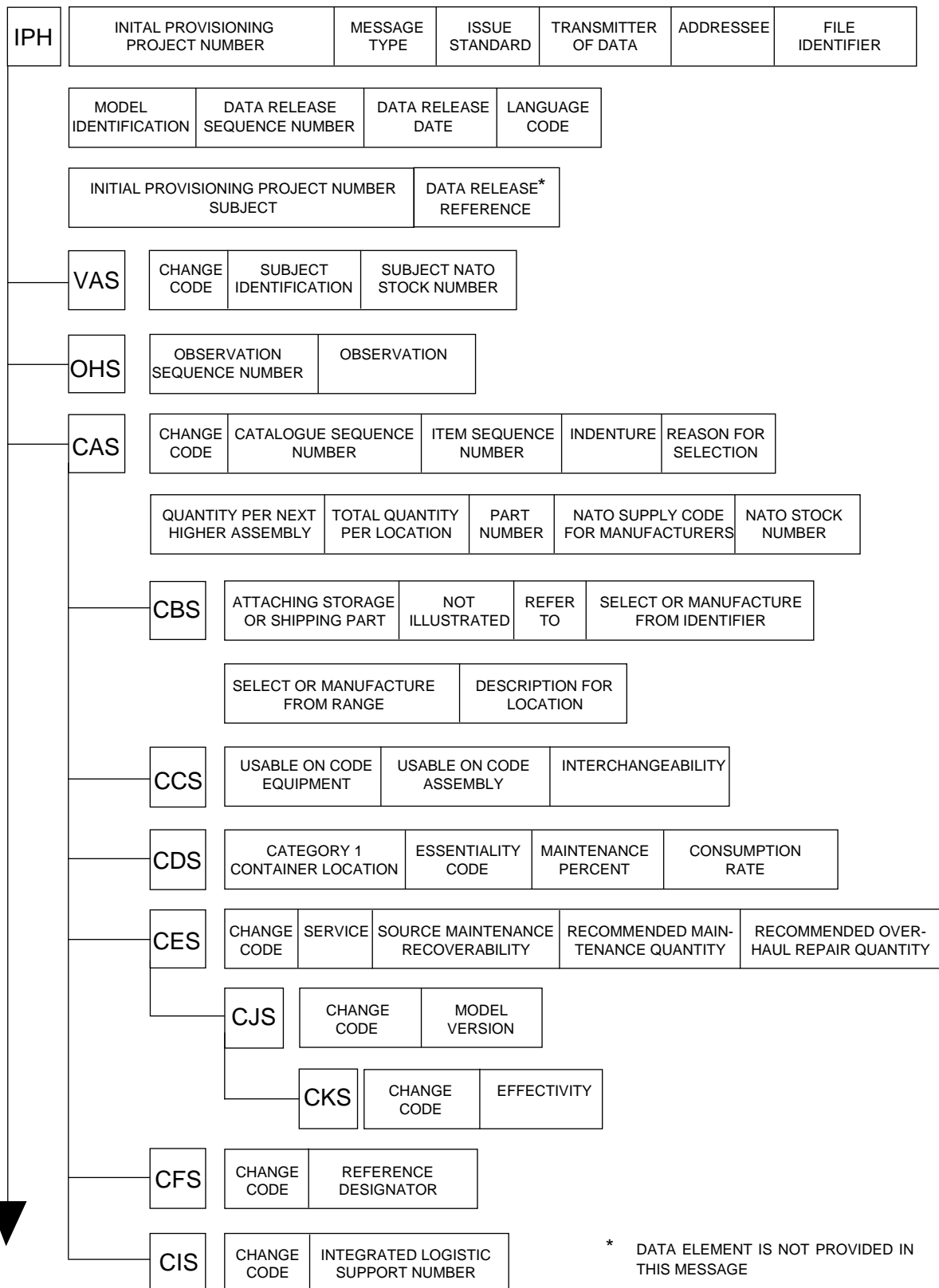
each location and would each hold the Reference to the Part Number and its single parts data structure. This supports the principle of parts data commonality within an IP Project.

When the submission of CSN-orientated IP data is preceded by a PN-orientated presentation, it should not be necessary to include in the CSN presentation the parts-related data which has been previously submitted and remains unchanged. Additional parts-related data elements will be submitted in the appropriate parts segment, associated with the PAS segment carrying a Change Code of "R".

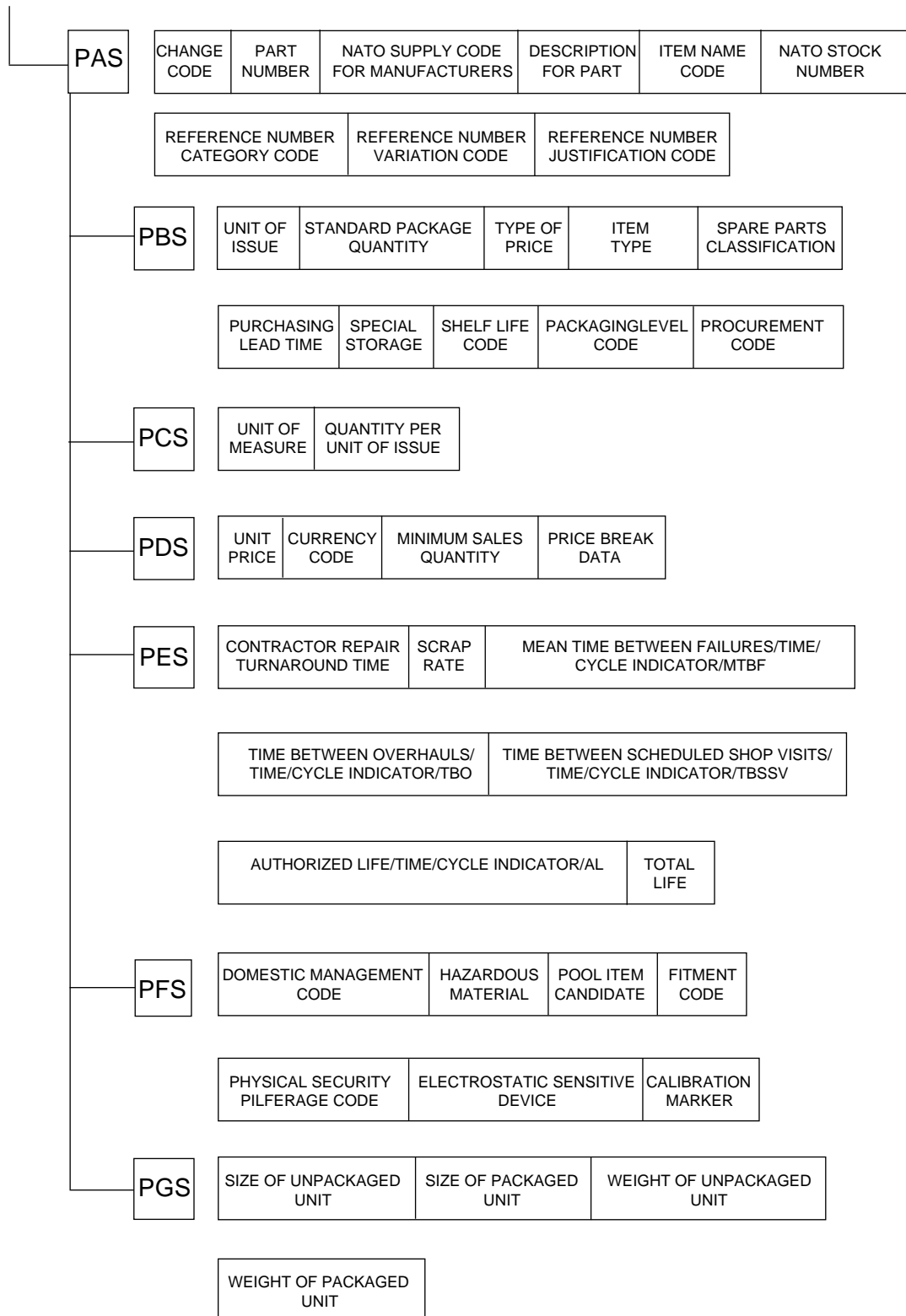
When parts data commonality extends beyond the boundaries of an IPProject, the data contained in the segments within group 2 will be applicable to this greater range of locations. This means that when group 2 segments for a particular Part Number have been included in a data exchange to a Customer subsequent messages to that Customer containing the same Part Number need not repeat this group 2 data.

## CSNIPD

### 3. MESSAGE STRUCTURE



CSNIPD



CSNIPD

4. EXAMPLES

4.1 Transmission of Draft IP data

Message:

UNH+...'  
IPH+IPP:F61170026+MTP:CSNIPD+ISS:D1+TOD:F6117+ADD:D1234+FID:  
S+MOI:1X+DRS:004+DRD:201088+LGE:UK+IPS:LANDING GEAR ASSY'  
VAS+CHG:N+SID:F6117:A11K400000'  
OHS+OSN:1+OBS:\*\*PAM PROPOSED FROM 150189 TO 200189'  
CAS+CHG:N+CSN:32000001 000 +ISN:00A+IND:1+RFS:0+QNA:1+TQL:  
1+PNR:A11K400000+MFC:F6117+NSN:1620'  
CES+CHG:N+SRV:GYL+SMR:XBDDD'  
CES+CHG:N+SRV:FRA+SMR:XBDDD'  
CAS+CHG:N+CSN:32000001 001 +ISN:00A+IND:2+RFS:0+QNA:1+TQL:  
1+PNR:A11B410100+MFC:F6117'  
CBS+RTX:32100001 000 00A'  
CES+CHG:N+SRV....'  
.  
.  
.  
CAS+CHG:N+CSN:32100001 000 +ISN:00A+IND:1+RFS:0+..... +PNR:  
A11B410100+MFC:F6117'  
.  
.  
.  
CAS+CHG:N+CSN:32100002 025 +ISN:00A+IND:2+RES:1+QNA:2+....  
PNR:31599BC060LE+MFC:F6117'  
CBS+ASP:1'  
CES+CHG:N+SRV:GYL+SMR:PAOZZ +RMQ:10+ROQ:5'  
CES+CHG:N+SRV:FRA +SMR:PAOZZ +RMQ:20+ROQ:0'  
.  
.  
.  
CAS+CHG:N+CSN:32100002 036 +ISN:00A+IND:2+RFS:1+QNA:2+...  
PNR:31599BC060LE+MFC:F6117+NSN:1480:'

**CSNIPD**

PAS+CHG:N+PNR:A11K400000+MFC:F6117+DFP:LANDING GEAR ASSEMBLY'  
 .  
 .  
 PAS+CHG:N+PNR:A11B410100+MFC:.....'  
 .  
 PAS+CHG:N+PNR:31599BC060LE+MFC:F6117+DFP:WASHER+INC:13393'  
 PBS+UOI:EA+SPQ:100+TOP:06+CML:1+SPC:1+PLT:3+STR:0+SLC:  
 0+PLC:A+PCD:A'  
 PDS+UPR:300+CUR:FRF'  
 .  
 .  
 UNT+.....'

**4.2 Transmission of Master IP data for an equipment with three variants****Message:**

UNH+.....'  
 IPH+IPP:D01230001+MTP:CSNIPD+ISS:M1+TOD:D0123+ADD:D1234+FID:  
 T+MOI:AB+DRS:002+DRD:201088+LGE:GY+IPS:HYDRAULIKPUMPE'  
 VAS+CHG:N+SID:D0123:AXP25-1+SNS:1680:121253720'  
 VAS+CHG:N+SID:D0123:AXP25-1A+SNS:1680:121253721'  
 VAS+CHG:N+SID:D0123:AXP25-1B+SNS:1680:121253722'  
 .  
 .  
 UNT+.....'

**4.3 Transmission of IP data with a PN having more than one RD****Message:**

UNH+.....'  
 IPH+IPP:K09994711+MTP:CSNIPD+....'  
 .  
 .  
 CAS+CHG:N+CSN: 04 011 +ISN:00A+....+PNR:RCR07G153JS+...'  
 .  
 CFS+CHG:N+RFD:R1'  
 CFS+CHG:N+RFD:R3'  
 CFS+CHG:N+RFD:R5'

**CSNIPD**

PAS+CHG:N+PNR:RCR07G153JS+MFC:81349+DFP:RESISTOR+.....'  
.  
UNT+....'

**4.4 PN M22759/19-22 is a non-definitive PN**

In two different locations of an IPPN different NSNs have to be used.

**Message:**

UNH+....'  
IPH+.....'  
.  
CAS+CHG:N+CSN:39203002 025 +ISN:00A+...+PNR:M22759/19-22+  
MFC:81349+NSN:6145:011675972'  
.  
CAS+...+CSN:39300001 020 +ISN:00A+...+PNR:M22759/19-22+  
MFC:81349:NSN:6145:012186027'  
.  
.  
PAS+...+PNR:M22759/19-22+...+DFP:WIRE GREEN+...+  
NSN:6145:011675972'  
.  
PAS+...+PNR:M22759/19-22+...+DFP:WIRE WHITE+...+  
NSN:6145:012186027'  
.  
UNT+....'

SECTION 1A-7

ANNEX C

PN-ORIENTATED IP DATA  
(PNOIPD)

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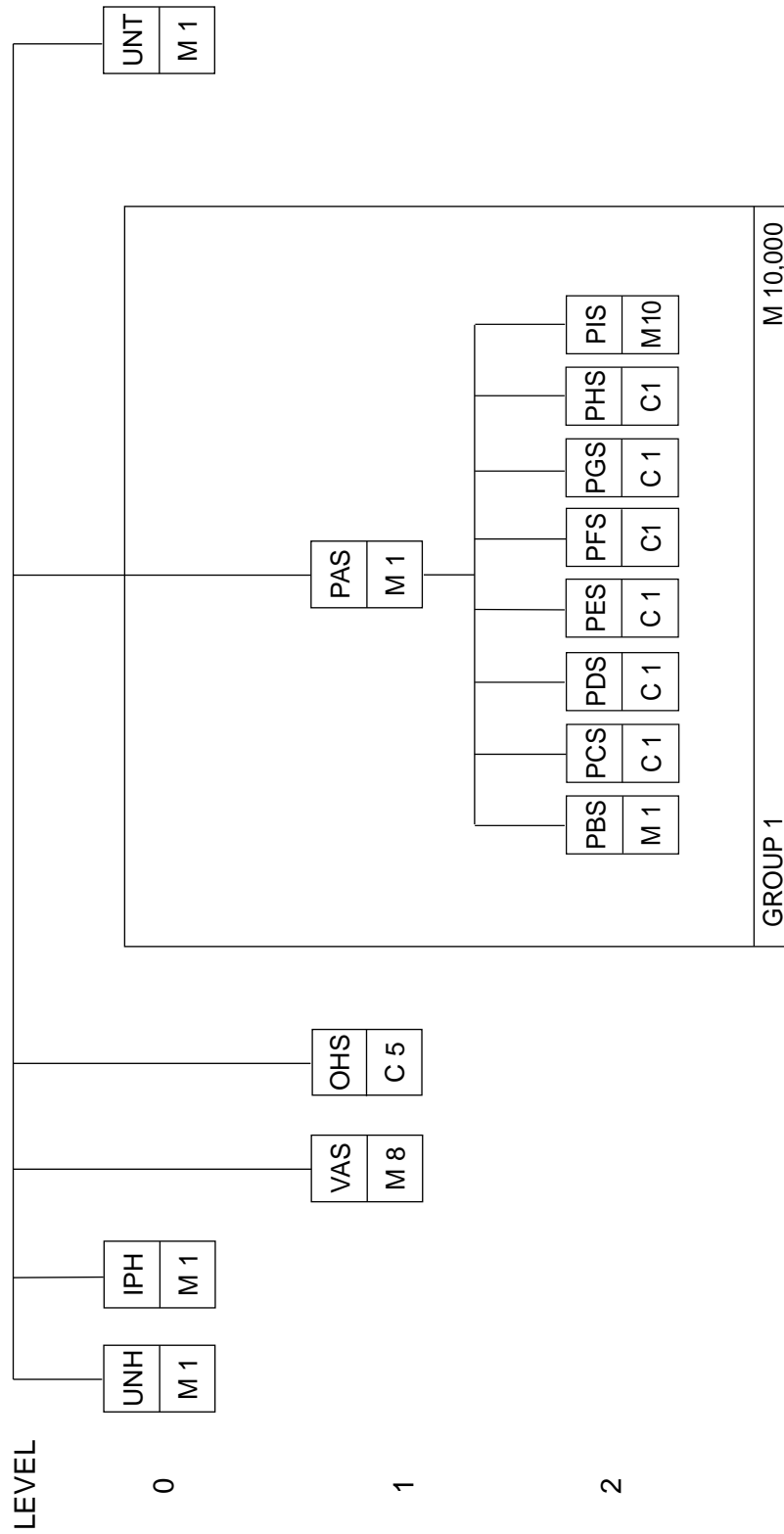
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# 1. BRANCHING DIAGRAM

## PN - ORIENTATED IP DATA (PNOIPD)



**PNOIPD**

**2. MESSAGE DESCRIPTION**

This PN-orientated IP data message is used for the transmission of IP data which has been compiled in accordance with the PN-orientated IP procedure.

The VAS segment is used as an extension of the header segment (IPH) to hold the identification (PN, NSCM and NSN) of the subject for which the IP Project has been prepared. In those cases where the IP Project presents data against variants of the subject, then this segment is repeated the appropriate number of times to hold all the variants' identifications.

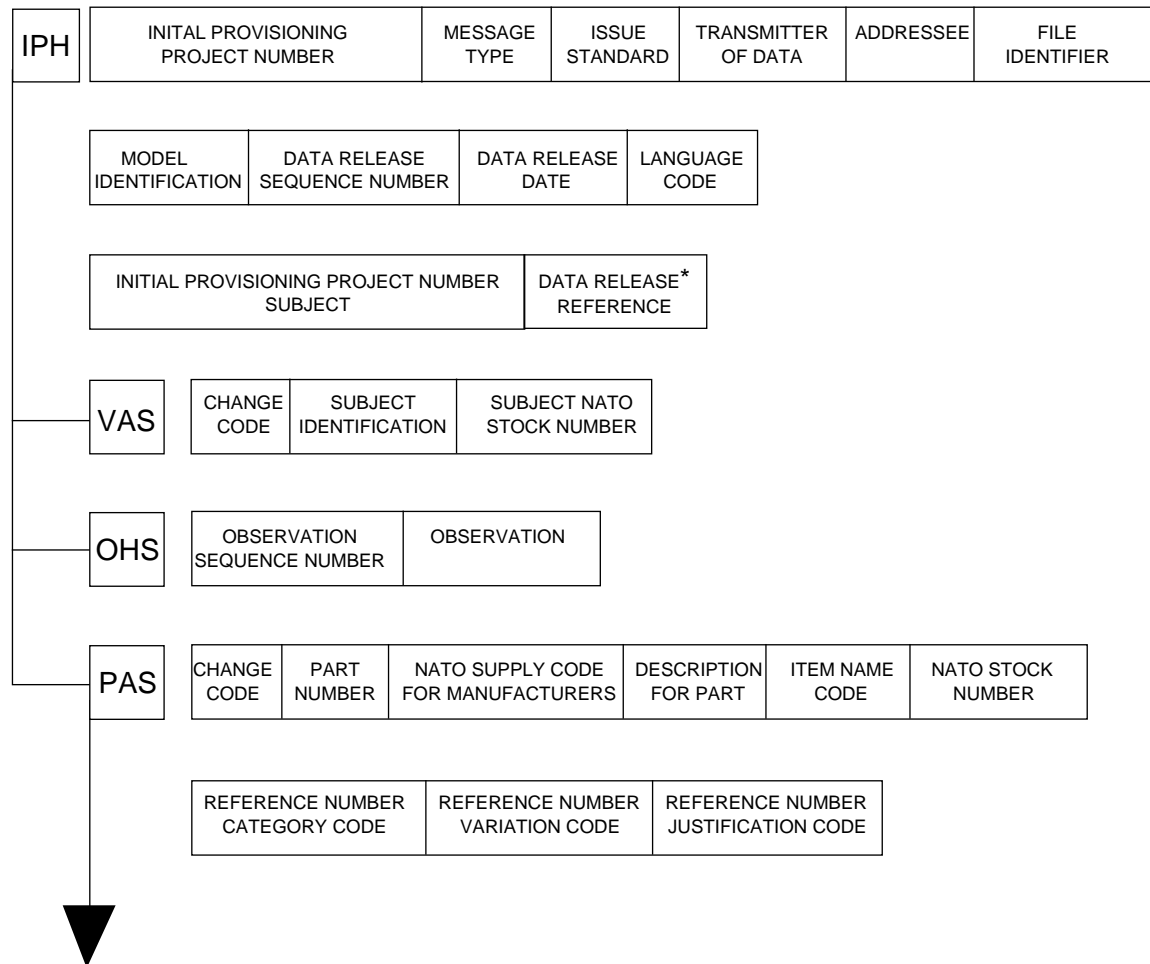
The OHS segment provides the means for the Contractor to transmit free text in association with the IP data transmission.

The PAS is the key segment to the part-related data and, in those cases where agreement has established the use of non-definitive part numbers, the inclusion of the NSN in this segment allows a different parts data set to be provided for items with the same part number but different NSNs.

The segment PBS contains data which is mandatory for items recommended as spares and, because the PN-orientated IP procedure deals only with spares, the inclusion of the segment in the message is also mandatory. The segment PIS is mandatory and the remaining segments are to be provided according to the nature of the item.

# PNOIPD

## 3. MESSAGE STRUCTURE



\* DATA ELEMENT IS NOT PROVIDED IN THIS MESSAGE

## SPECIFICATION 2000M

### PNOIPD

PBS	UNIT OF ISSUE	STANDARD PACKAGE QUANTITY	TYPE OF PRICE	CATEGORY OF MATERIAL	SPARE PARTS CLASSIFICATION
	PURCHASING LEAD TIME	SPECIAL STORAGE	SHELF LIFE CODE	PACKAGING LEVEL CODE	PROCUREMENT CODE
PCS	UNIT OF MEASURE	QUANTITY PER UNIT OF ISSUE			
PDS	UNIT PRICE	CURRENCY CODE	MINIMUM SALES QUANTITY	PRICE BREAK DATA	
PES	CONTRACTOR REPAIR TURNAROUND TIME		SCRAP RATE	MEAN TIME BETWEEN FAILURES/TIME/ CYCLE INDICATOR/MTBF	
	TIME BETWEEN OVERHAULS/ TIME/CYCLE INDICATOR/TBO		TIME BETWEEN SCHEDULED SHOP VISITS/ TIME/CYCLE INDICATOR/TBSSV		
	AUTHORIZED LIFE/TIME/CYCLE INDICATOR/AL			TOTAL LIFE	
PFS	DOMESTIC MANAGEMENT CODE	HAZARDOUS MATERIAL	POOL ITEM CANDIDATE	FITMENT CODE	
	PHYSICAL SECURITY PILFERAGE CODE	ELECTROSTATIC SENSITIVE DEVICE		CALIBRATION MARKER	
PGS	SIZE OF UNPACKAGED UNIT	SIZE OF PACKAGED UNIT	WEIGHT OF UNPACKAGED UNIT		
	WEIGHT OF PACKAGED UNIT				
PHS	CATEGORY I CONTAINER IDENTIFICATION				
PIS	CHANGE CODE	SERVICE	TOTAL QUANTITY	RECOMMENDED MAINTENANCE QUANTITY	RECOMMENDED OVERHAUL REPAIR QUANTITY

## PNOIPD

## 4. EXAMPLES

## 4.1 Transmission of IP data for LLTI of IPPN F61170026 (Example 4.1 of Annex B)

**Message:**

UNH+...'

IPH+IPP:F61170026+MTP:PNOIPD+ISS:D1+TOD:F6117+ADD:D1234+FID:

S+MOI:1X+DRS:001+DRD:150187+LGE:UK+IPS:LANDING GEAR ASSY'

VAS+CHG:N+SID:F6117:A11K400000'

PAS+CHG:N+PNR:A11A236101N2+MFC:F6117+DFP:DOOR,LANDING GEAR+  
INC:.....'

.

PAS+CHG:N+PNR:CONT0100+MFC:F6117+DFP:CONTAINER+....'

.

PAS+CHG:N+PNR:C22931-20+MFC:F6137+DFP:STRUT,LANDING GEAR+...'

PBS+UOI:EA+....'

PHS+CTI:F6117:CONT0100'

PIS+CHG:N+SRV:GYL+TQY:10'

.

PAS+.....'

.

UNT+...'

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SECTION 1A-7

ANNEX D

CATEGORY 1 UPDATING OF IP DATA  
(UIPCO)

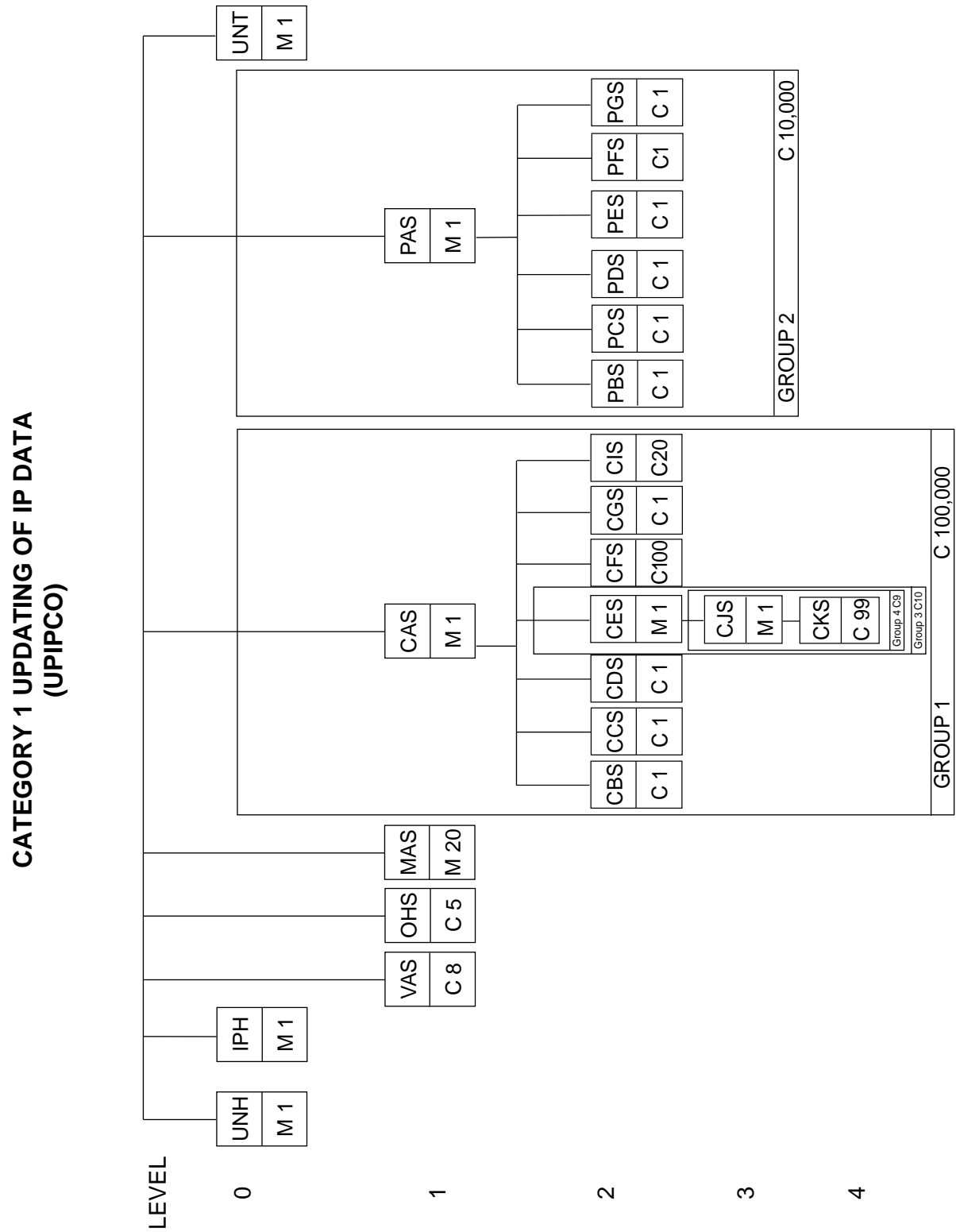
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## 1. BRANCHING DIAGRAM



## **UIPCO**

### **2. MESSAGE DESCRIPTION**

This Category 1 Updating IP data message is used to transmit Category 1 type changes to CSN-orientated IP data in support of the Updating Procedure described in Section 1A-6. It is used to transmit change messages at both Draft and Master issue standard.

A Category 1 change may comprise the introduction of a "new" item together with details of the item being "superseded", or may simply be the independent "introduction" or "cancellation" of an item. The structure of this message enables the introduction of a new CSN application, for a part already used at a location within the scope of parts data commonality, by providing only the CAS branch; if the part is new to the project, then the PAS branch would also be provided.

The VAS segment is used to identify the variants introduced by the Category 1 change message. If the change does not affect the Part Number of the IP Project subject, (i.e. it does not introduce a new variant) then this segment is not included in the message.

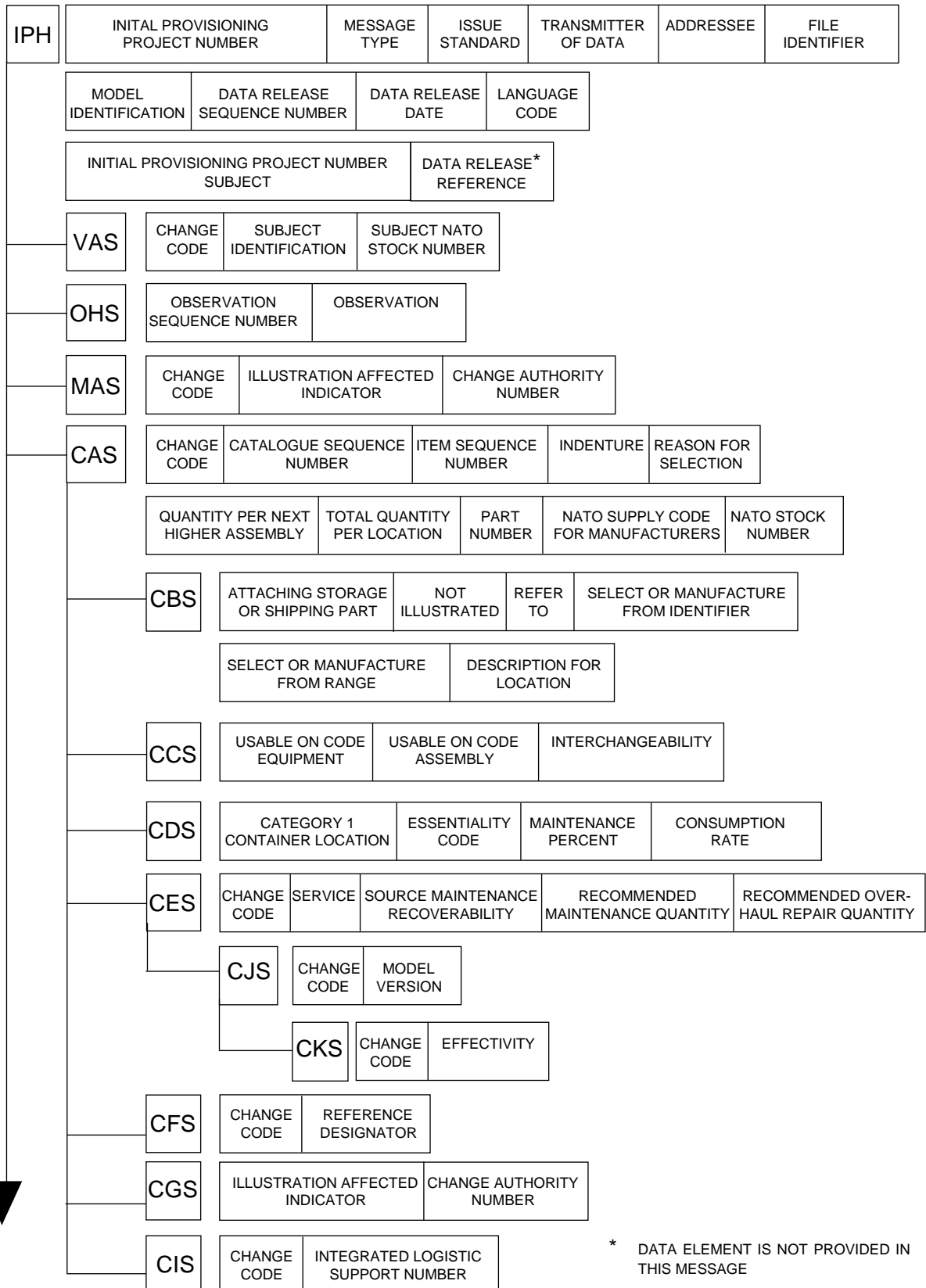
The OHS segment provides the means for the Contractor to transmit free text in association with the Change data transmission. This may be used to provide planning dates for meetings or other change-related information (e.g. quotation of other IPPN that are affected by the change but are issued as separate messages).

The MAS segment contains the Change Authority Number (CAN) which identifies the authority for the change; it also indicates if the updating involves a change to the illustration. This segment is repetitive to enable the identification of multiple change authorities contained within one message. The CAN is also contained in the CGS segment; this provides the means of associating the change authority to the location at which it is applicable.

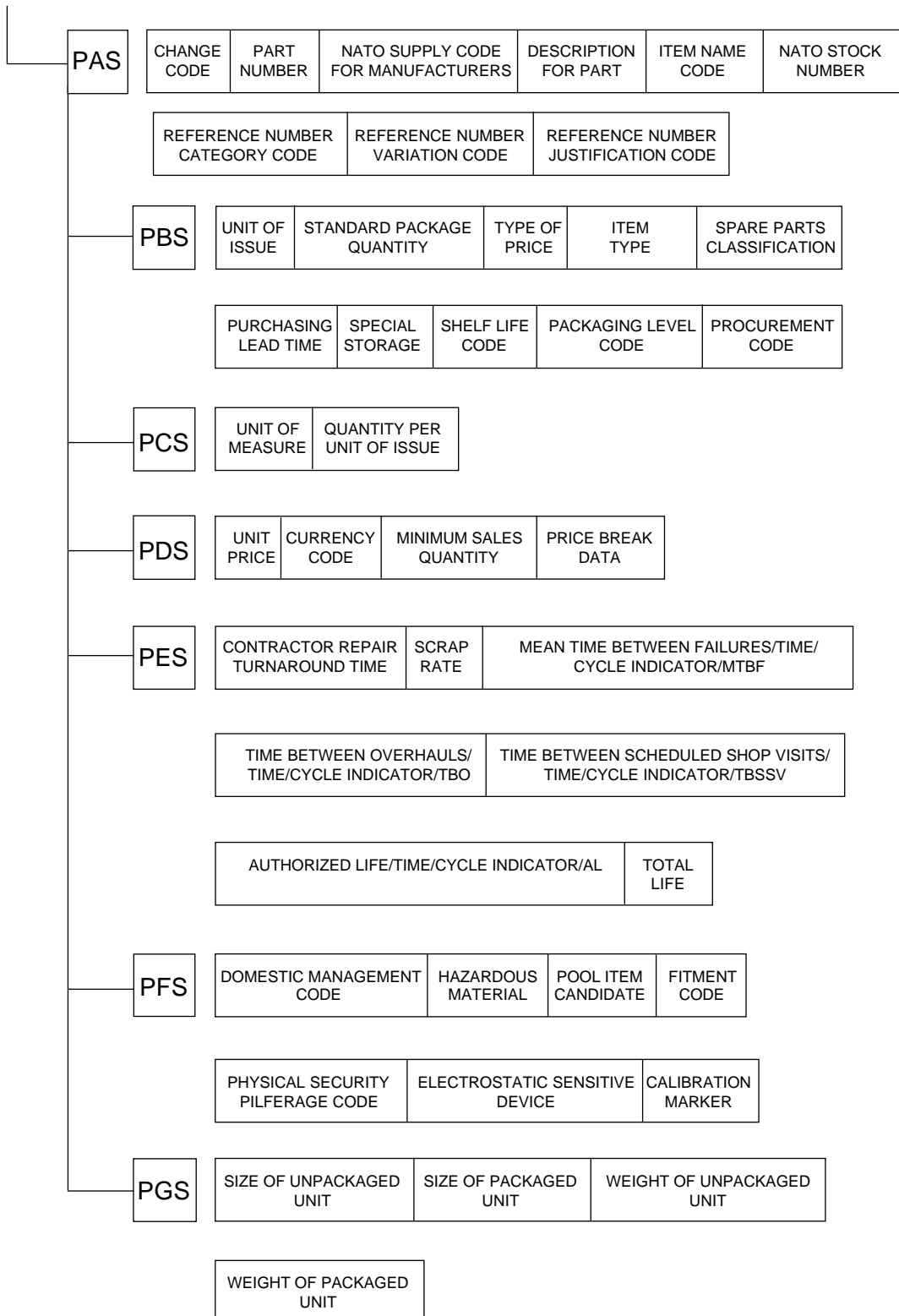
The introduction of a "new" item is supported with a CAS branch which contains the CGS holding the authority for change, together with a PAS branch, if the part is new to the project within the scope of parts data commonality. The "superseded" item needs only those CAS branch segments, necessary to provide the Model Version, Effectivity, Usable On Codes and Interchangeability as appropriate. This latter data is sufficient to link the "old" and "new" items together or to provide the restricted application of existing items.

## UIPCO

## 3. MESSAGE STRUCTURE



UPIPCO



## UPIPCO

### 4. EXAMPLES

#### 4.1 Due to modification an alternative Landing Gear Installation has to be incorporated

**Message:**

UNH+...'  
 IPH+IPP:F61170026+MTP:UPIPCO+ISS:M1+TOD:F6117+ADD:D1234+FID:  
 S+MOI:1X+DRS:012+DRD:150390+LGE:UK+IPS:LANDING GEAR ASSY'  
 MAS+CHG:N+IAI:Y+CAN:MODA05'  
 CAS+CHG:R+CSN:32000001 001 +ISN:00A'  
 CCS+UCA:A    '  
 CGS+IAI:Y+CAN:MODA05'  
 .  
 CAS+CHG:N+CSN:32000001 001 +ISN:05A+IND:2+RFS:0+QNA:1+TQL:1+  
 PNR:A11B410200+MFC:F6117'  
 CBS+RTX:32100001 000 05A'  
 CCS+UCA: B    '  
 CGS+IAI:Y+CAN:MODA05'  
 .  
 .  
 PAS+CHG:N+PNR:A11B410200+MFC:F6117+....'  
 .  
 .  
 UNT+....'

UPIPCO

**4.2 Codification result has revealed that the PN of Example 4.4 of Annex B can be made definitive by adding a suffix. NSNs are correct**

**Message:**

UNH+....'

IPH+....'

.

CAS+CHG:R+CSN:39203002 025 +ISN:00A+PNR:M22759/19-22-0+  
MFC:81349'

.

CAS+CHG:R+CSN:39300001 020 +ISN:00A+...+PNR:M22759/19-22-6+  
MFC:81349'

.

.

PAS+CHG:D+PNR:M22759/19-22+MFC:81349'

PAS+CHG:N+PNR:M22759/19-22-0+MFC:81349+...+NSN:6145:  
011675972+....'

PBS+...'

.

PAS+CHG:N+PNR:M22759/19-22-6+MFC:81349+...+NSN:6145:  
012186027+....'

PBS+...'

.

.

UNT+...'

**SECTION 1A-7**

**ANNEX E**

**CATEGORY 2 UPDATING OF IP DATA  
(UIPCT)**

**CONTENTS**

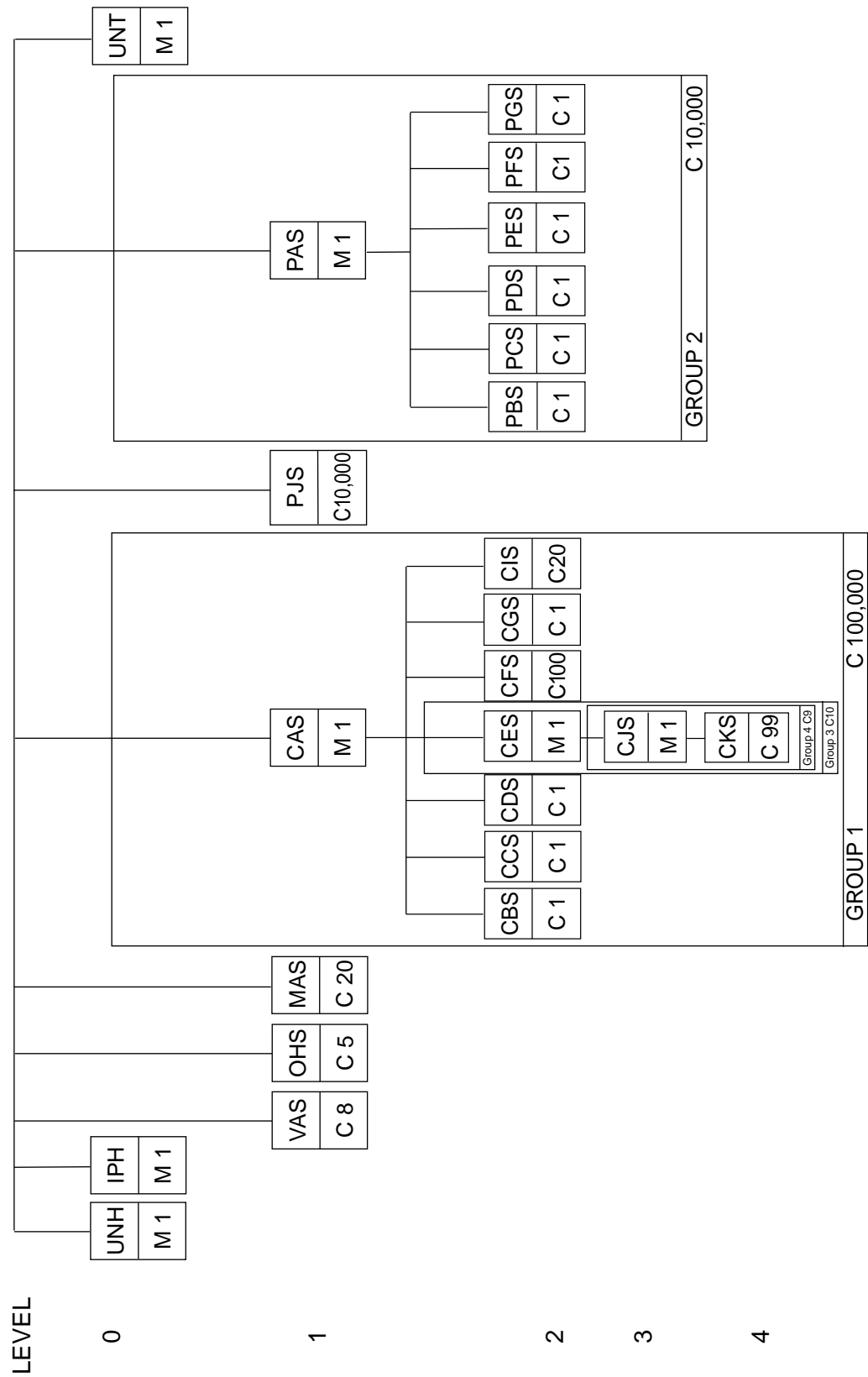
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# 1. BRANCHING DIAGRAM

## CATEGORY 2 UPDATING OF IP DATA (UPIPCT)



## **UPIPCT**

### **2. MESSAGE DESCRIPTION**

This Category 2 Updating IP data message is used to transmit Category 2 type changes to CSN-orientated IP data in support of the Updating Procedure described in Section 1A-6. It is used to transmit the change message at Master issue standard, which is the only standard issued with a Category 2 type of change.

This message structure provides the means to overwrite data which is part-related, location-related or to overwrite part numbers. Part-related data changes are presented using the PAS segment, to provide the part number "key", together with the appropriate segment or segments according to the data requiring to be changed. Similarly, the location-related data changes are presented using the CAS segment, to provide the CSN and ISN "key", together with the appropriate location data segments. The part number change may be appropriate to that part at all locations throughout the project within the scope of parts commonality, in which case the information is contained simply in the PJS segment, or the change may be specific to a location, in which case the CAS segment is provided with CSN, ISN and new part number and NSCM. In both cases, if the "new" part number does not already exist in the project then a PAS branch will also be required to provide the part related data.

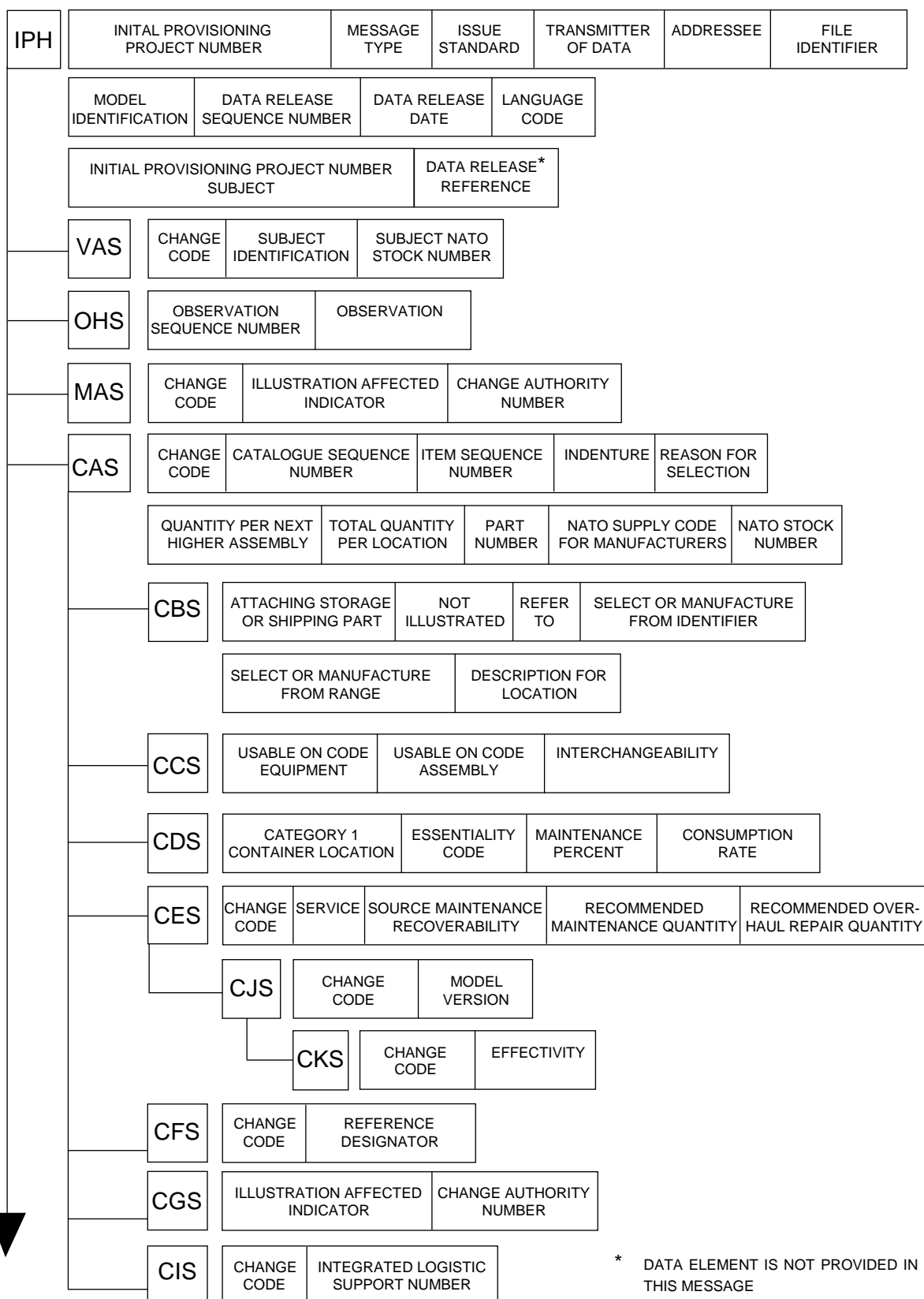
The VAS segment is used to overwrite Subject Identification or Subject NSN which has been provided in a previous CSNIPD message.

The OHS segment provides the means for the Contractor to transmit free text in association with the change data transmission.

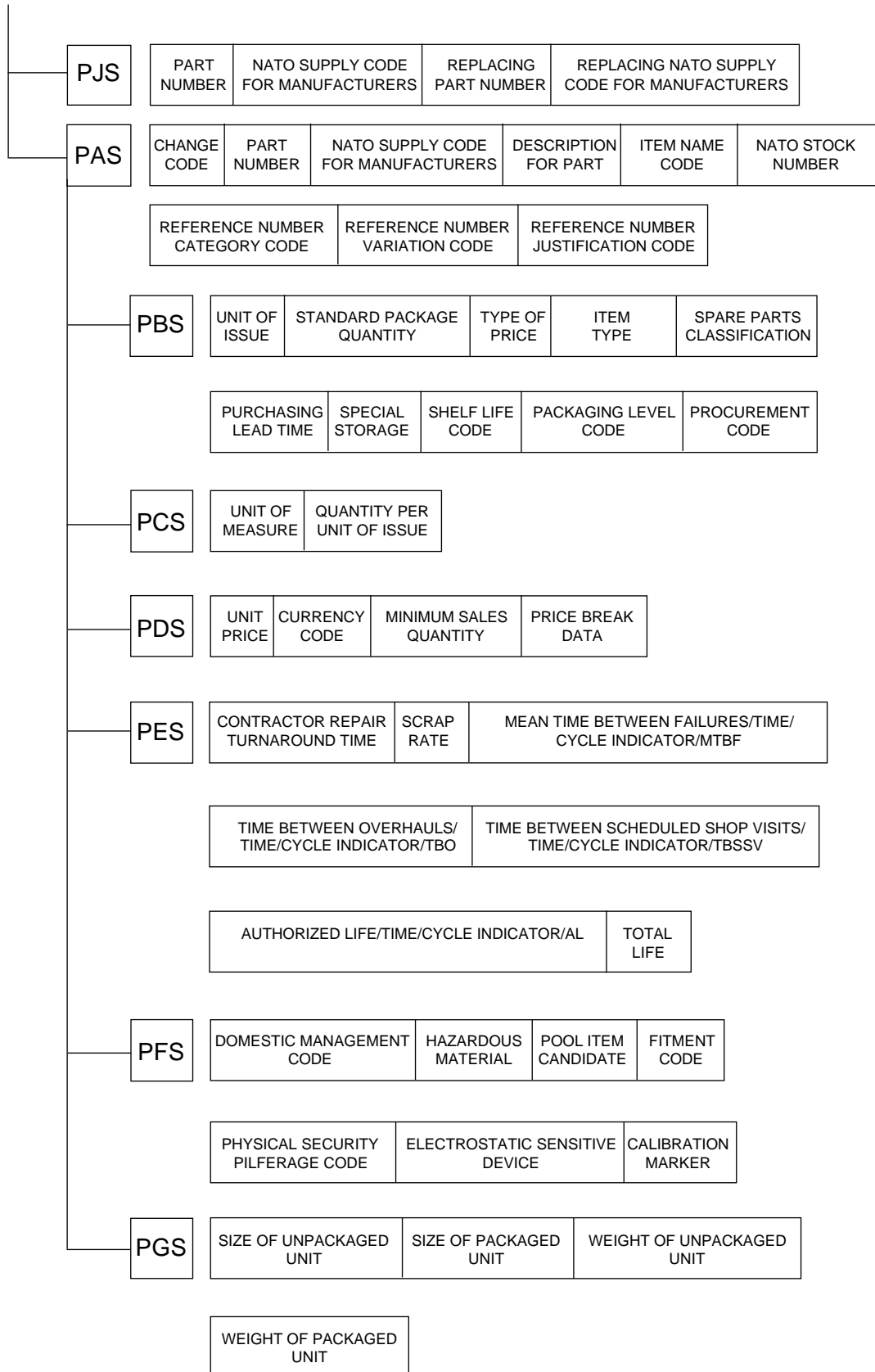
The MAS and CGS segments are optional and would be used only in those cases where agreement has been reached on the use of the Change Authority Number for Category 2 type changes. The MAS segment may be used without corresponding CGS segments.

## UPIPCT

## 3. MESSAGE STRUCTURE



## UIPCT



## UIPCT

## 4. EXAMPLES

- 4.1 Change of SPQ for PN 31599BC060LE (see Example 4.1 of Annex B) from 100 to 50. CAN for Category 2 changes not agreed.

**Message:**

UNH+...'  
 IPH+IPP:F61170026+MTP:UIPCT+ISS:M1+....'  
 PAS+CHG:R+PNR:31599BC060LE+MFC:F6117'  
 PBS+SPQ:50'  
 UNT+...'

- 4.2 PN was presented incorrectly. It should read 31599BE060LE. No further change necessary.

**Message:**

UNH+...'  
 IPH+....'  
 PJS+PNR:31599BC060LE+MFC:F6117+RPP:31599BE060LE+RMF:F6117'  
 UNT+...'

- 4.3 VAS for variant C in Example 4.2 of Annex B was presented by mistake.

**Message:**

UNH+...'  
 IPH+IPP:D01230001+MTP:UIPCT+ISS:M1+...+DRS:003+...'  
 VAS+CHG:D+SID:D0123:AXP25-1B'  
 UNT+...'

- 4.4 Deletion of RD R3 in Example 4.3 of Annex B

**Message:**

UNH+...'  
 IPH+...'  
 CAS+CHG:R+CSN: 04 011 +ISN:00A'  
 CFS+CHG:D+RFD:R3'  
 UNT+...'

BLANK

**SECTION 1A-7**

**ANNEX F**

**UPDATING OF PN-ORIENTATED IP DATA  
(UPIPPN)**

**CONTENTS**

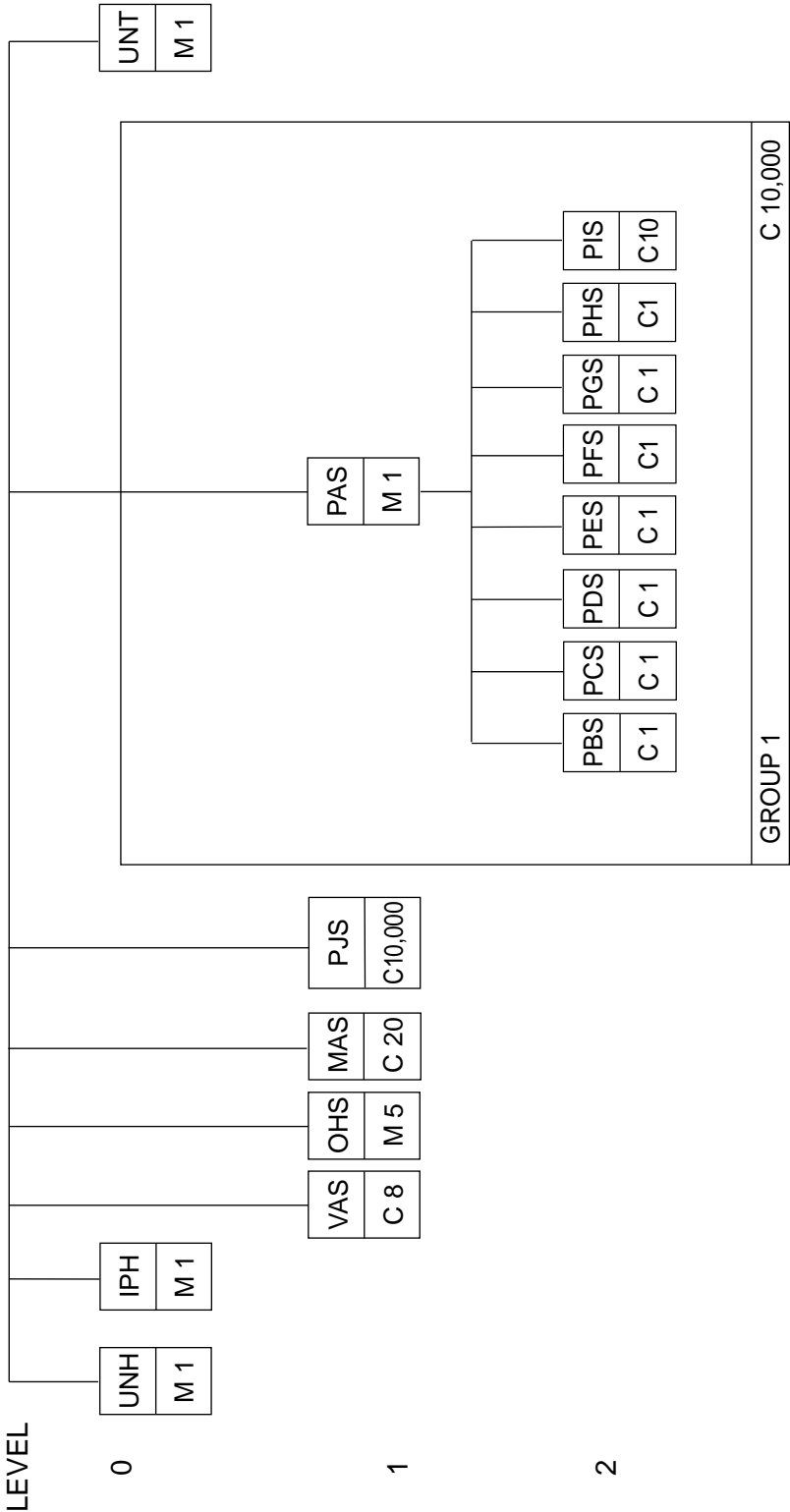
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1. BRANCHING DIAGRAM

UPDATING OF PN ORIENTATED IP DATA  
(UPIPPN)



**UPIPPN**

**2. MESSAGE DESCRIPTION**

This Updating of PN-orientated data message is used to transmit changes to PN-orientated IP data in support of the Updating Procedure described in Section 1A-6. It is used to transmit change messages at Master issue standard, which is the only standard issued in the PN-orientated IP updating process.

The message structure provides the means to overwrite part related data or to overwrite part numbers.

The VAS segment is used to overwrite Subject Identification or Subject NSN which has been provided in a previous PNOIPD message.

The OHS segment provides the means for the Contractor to transmit free text in association with the change data transmission.

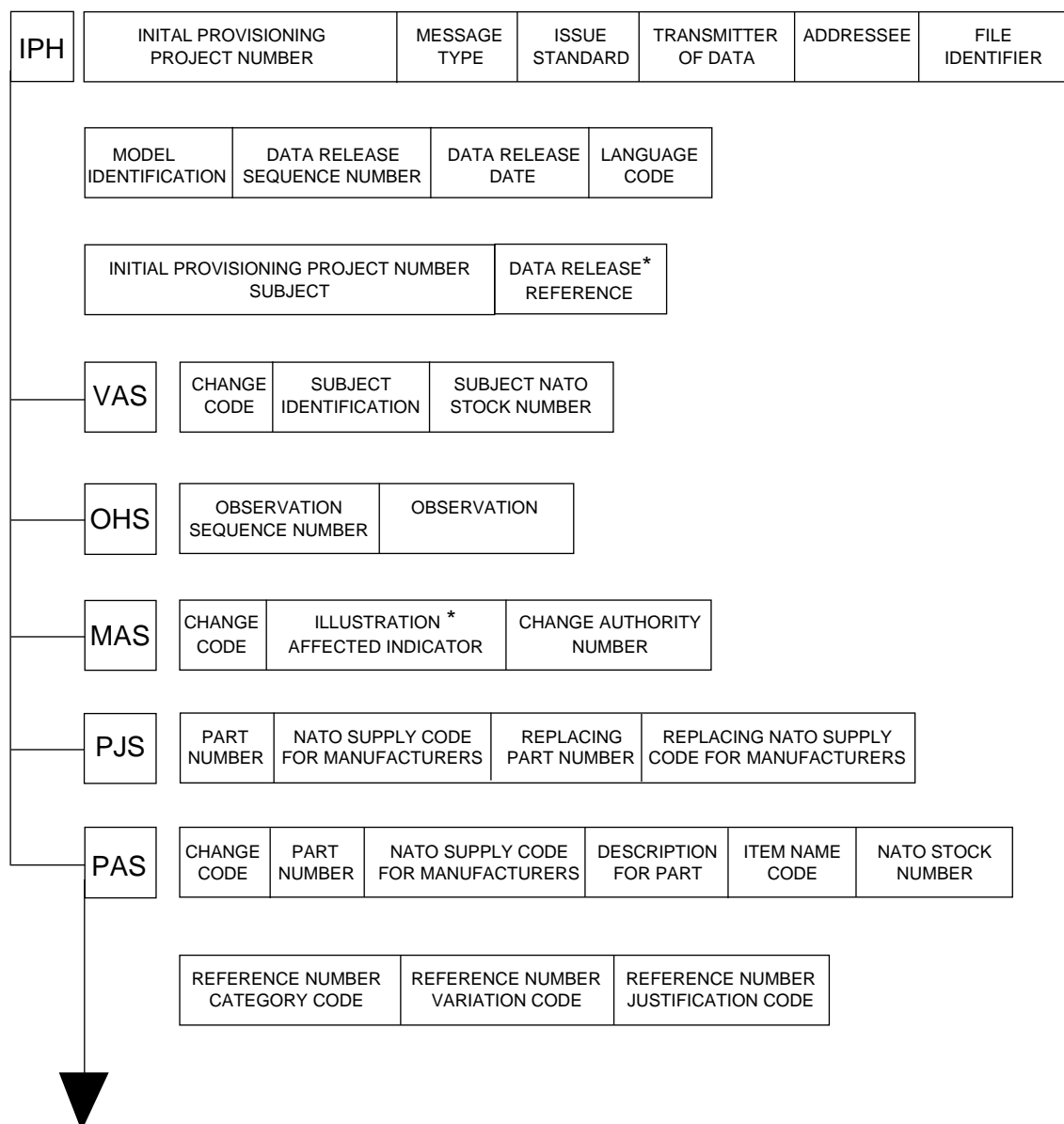
The MAS segment is optional and would be used only in those cases where agreement has been reached on the use of Change Authority Number within the PN-orientated updating process.

A change to a Part Number would be supported by the segment PJS and the new part-related data would be provided in the PAS segment together with the appropriate, associated segments.

A part-related data change is presented using segment PAS, to provide the Part Number "key", together with the appropriate segment or segments according to the data requiring to be changed.

## UIPPN

## 3. MESSAGE STRUCTURE



\* DATA ELEMENT IS NOT PROVIDED IN THIS MESSAGE

## SPECIFICATION 2000M

### UIPPN

PBS	UNIT OF ISSUE	STANDARD PACKAGE QUANTITY	TYPE OF PRICE	ITEM TYPE	SPARE PARTS CLASSIFICATION
	PURCHASING LEAD TIME	SPECIAL STORAGE	SHELF LIFE CODE	PACKAGING LEVEL CODE	PROCUREMENT CODE
PCS	UNIT OF MEASURE	QUANTITY PER UNIT OF ISSUE			
PDS	UNIT PRICE	CURRENCY CODE	MINIMUM SALES QUANTITY	PRICE BREAK DATA	
PES	CONTRACTOR REPAIR TURNAROUND TIME	SCRAP RATE	MEAN TIME BETWEEN FAILURES/TIME/ CYCLE INDICATOR/MTBF		
	TIME BETWEEN OVERHAULS/ TIME/CYCLE INDICATOR/TBO		TIME BETWEEN SCHEDULED SHOP VISITS/ TIME/CYCLE INDICATOR/TBSSV		
	AUTHORIZED LIFE/TIME/CYCLE INDICATOR/AL			TOTAL LIFE	
PFS	DOMESTIC MANAGEMENT CODE	HAZARDOUS MATERIAL	POOL ITEM CANDIDATE	FITMENT CODE	
	PHYSICAL SECURITY PILFERAGE CODE	ELECTROSTATIC SENSITIVE DEVICE	CALIBRATION MARKER		
PGS	SIZE OF UNPACKAGED UNIT	SIZE OF PACAKAGED UNIT	WEIGHT OF UNPACKAGED UNIT		
	WEIGHT OF PACKAGED UNIT				
PHS	CATEGORY I CONTAINER IDENTIFICATION				
PIS	CHANGE CODE	SERVICE	TOTAL QUANTITY	RECOMMENDED MAINTENANCE QUANTITY	RECOMMENDED OVERHAUL REPAIR QUANTITY

## UIPPN

## 4. EXAMPLES

- 4.1 A given PN ABC25 has changed to read ABCD250. New data available. Use of CAN is agreed.

**Message:**

UNH+...'

IPH+...'

OHS+OSN:1+OBS:\*\*CHANGE PRIOR TO ESTABLISHMENT OF FIRST DELIVERY  
STANDARD'

MAS+CHG:N+CAN:UPGRADE'

PJS+PNR:ABC25+MFC:D0001+RPP:ABCD250+RMF:D0001'

PAS+CHG:N+PNR:ABCD250+MFC:D0001+...'

PBS+...+PLT:48+...'

PDS+UPR:1252000+CUR:DEM'

UNT+...'

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**SECTION 1A-7**

**ANNEX G**

**OBSERVATIONS  
(OBSINF)**

**CONTENTS**

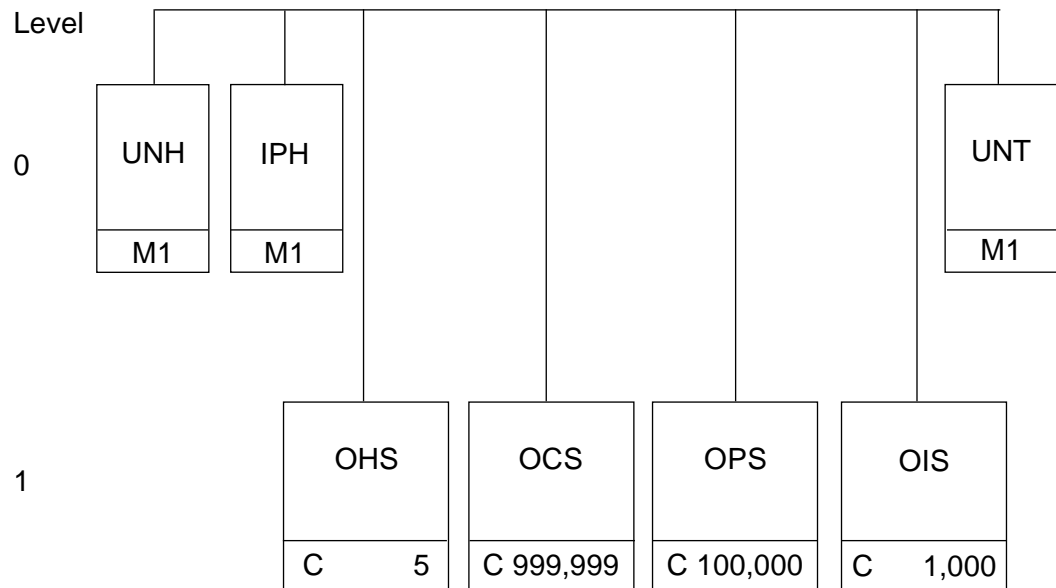
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1. BRANCHING DIAGRAM

OBSERVATIONS  
(OBSINF)



**OBSINF**

**2. MESSAGE DESCRIPTION**

This message is used to transmit observations on IP data which have been previously transmitted, and values for Customer provided data (see Section 1A-8).

For all Observations which cannot be incorporated, the Contractor will provide Observations to the Customer stating the reasons for non-acceptance. In response, the Customer will clarify, revise or otherwise advise his decision by means of a further Observation message. In these cases, the Data Release Reference (DRR) in later related messages will always refer to DRR of the Customer's original Observation message (ie the NSCM and DRSN of the Contractor's message which prompted the original Observation).

The structure of the message provides the means to make observations under specific categories.

The OHS segment is used to make observations of a general nature about the project as a whole, for example acceptance of meeting date and observations against IPH data elements. It also contains the general replies to Category 1 change messages as outlined in Section 1A-6 paragraph 5.1.

The OCS segment is used to make observations on location-related data.

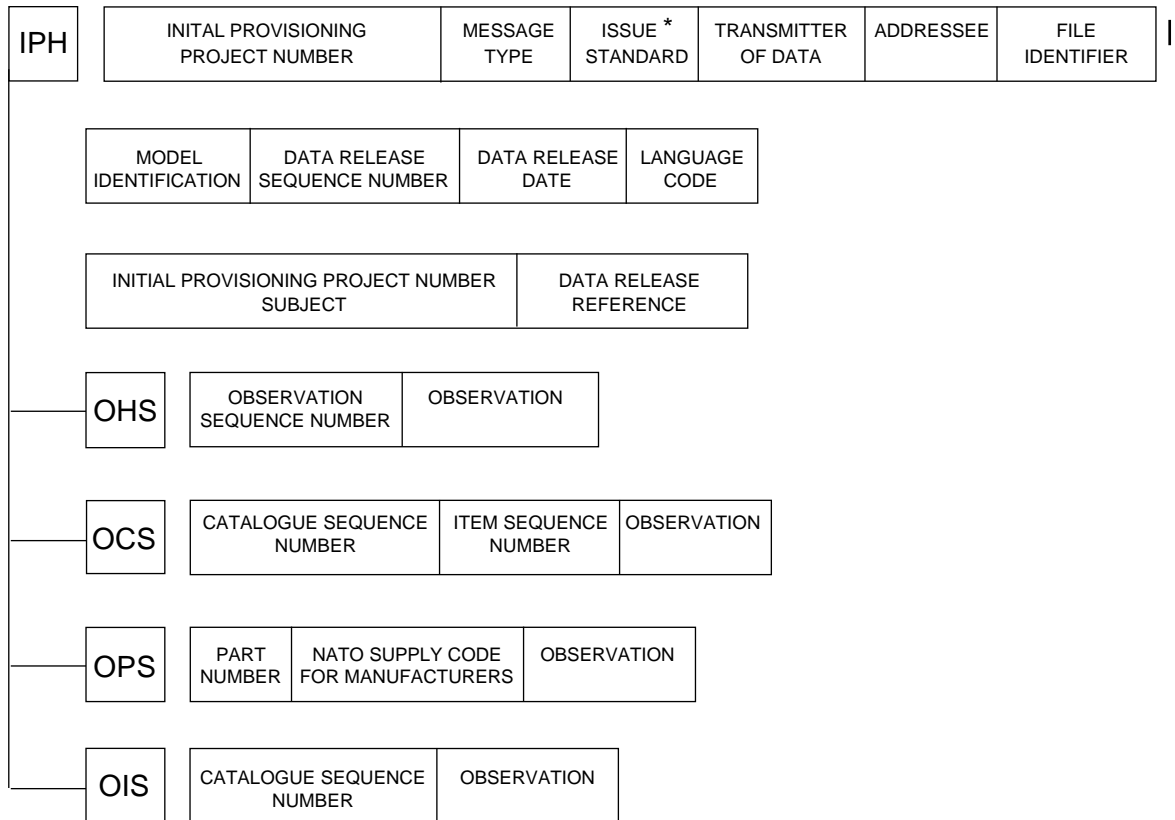
The OPS segment is used to make observations on part-related data.

The OIS segment is used to make observations on an illustration.

If agreed between Customer and Contractor at the outset of a Multi-Customer Project, Observations may be sent from any participant to any or all of the others. If an agency is involved in the Project, Observations might also be copied and distributed by that agency. The use of this procedure in advance of a Pre-Assessment or Updating Meeting, or for ex-committee approval of Category 1 Changes, could reduce the timescale of the IP process. Indeed, conferences may not always be necessary.

## OBSINF

### 3. MESSAGE STRUCTURE



\* DATA ELEMENT IS NOT PROVIDED IN THIS MESSAGE

**OBSINF**

**4. EXAMPLES**

**4.1 Transmission of the Observations described in the Example in Section 1A-8.**

**Message:**

UNH+...'  
IPH+IPP:K09991234+MTP:OBSINF+TOD:D1234+ADD:K0999+  
FID:T+MOI:01+DRS:001+DRD:180494+LGE:UK+IPS:PUMP,HYD+  
DRR:K0999001'  
OHS+OSN:1+OBS:MI=01/\*\*PAM DATE APPROVED'  
OCS+CSN: 14 124 +ISN:00A+OBS:NSCM=\*001//NI=\*004'  
OPS+PNR:ABCDEFGH+MFC:67890+OBS:UI=HD/\*\*SEGM PCS TO BE DELETED'  
OIS+CSN: 14 000 +OBS:\*100/\*\*DIRECTION OF VIEW INCORRECT'  
OIS+CSN: 14 124 +OBS:\*006'  
UNT+...'

SECTION 1A-7

ANNEX H

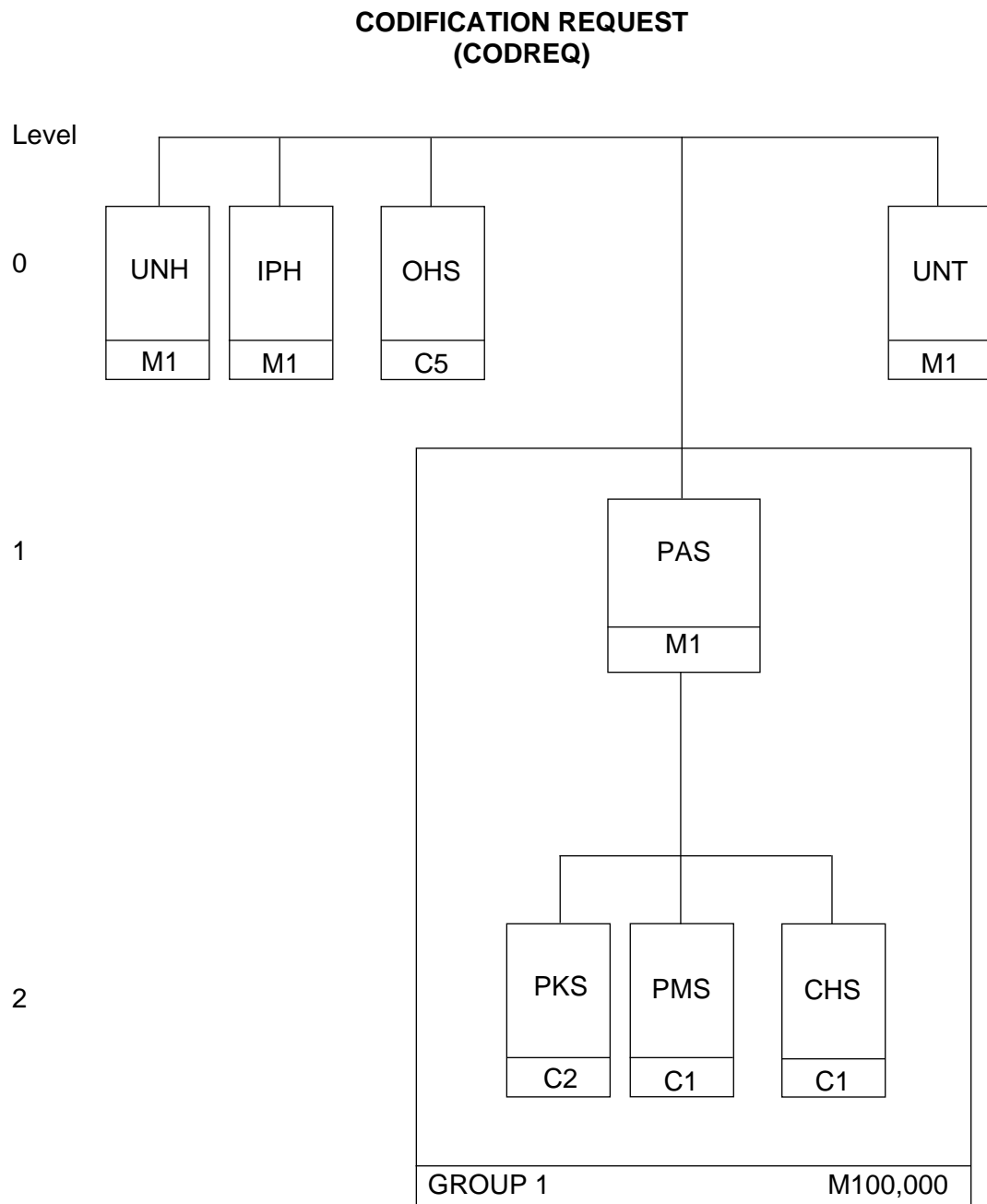
CODIFICATION REQUEST  
(CODREQ)

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# 1. BRANCHING DIAGRAM





**CODREQ**

**2. MESSAGE DESCRIPTION**

This Codification request message is used to transmit the minimum IP data to the National Codification Bureau (NCB) for the initiation of the codification procedure (see Chapter 1B).

The use of this message needs prior agreement between the contractor and his home NCB. In cases where the use of this minimum data requirement is not agreed, the codification request will be submitted as a full IP data request and will take the form of the Message CSNIPD, PNOIPD, UIPICO, UIPICT and UIPPN as appropriate.

In the CSN-orientated IP Procedure, CODREQ messages will be submitted for those Part Numbers which comply with the following conditions:

- The Part Number has at least one location in the IP Project at which the Reason for Selection (RFS) is other than zero.
- The Contractor is not registered as an Authorized Data Receiver for the Part Number.
- The Contractor has not submitted a prior Codification Request for the Part Number.

Only one CODREQ message is required to be submitted per different Part Number.

In the PN-orientated IP Procedure, CODREQ messages will be submitted for all Part Numbers included in the IP Project, with the exception of the following:

- Part Numbers for which the Contractor is an Authorized Data Receiver.
- Part Numbers for which the Contractor has submitted a prior Codification Request.

In the initial submission of a Part Number for Codification the Change Code in segment PAS is to be "N".

To withdraw, or cancel, a previously submitted Codification Request against a Part Number (for example, as a result of a Pre-Assessment Meeting), the CODREQ message should be submitted with a Change Code in the PAS segment of "D".

To correct the data in a previously submitted Codification Request, the Change Code in the PAS segment is to be "R". This correction can only apply to data other than the Part Number and NSCM. When Part Number and/or NSCM changes are necessary, then a cancellation ("D") message together with an Add ("N") message will need to be submitted.

Segment PKS is to enable a link to be made between the Part Number provided in PAS and other Part Number(s) with which there is an Interchangeability "9-9" situation, and hence which should attract the same NSN. The number of times a PKS segment can be repeated is dictated by NATO Codification rules. PAS segments should not be provided for Part Numbers contained in PKS segments.

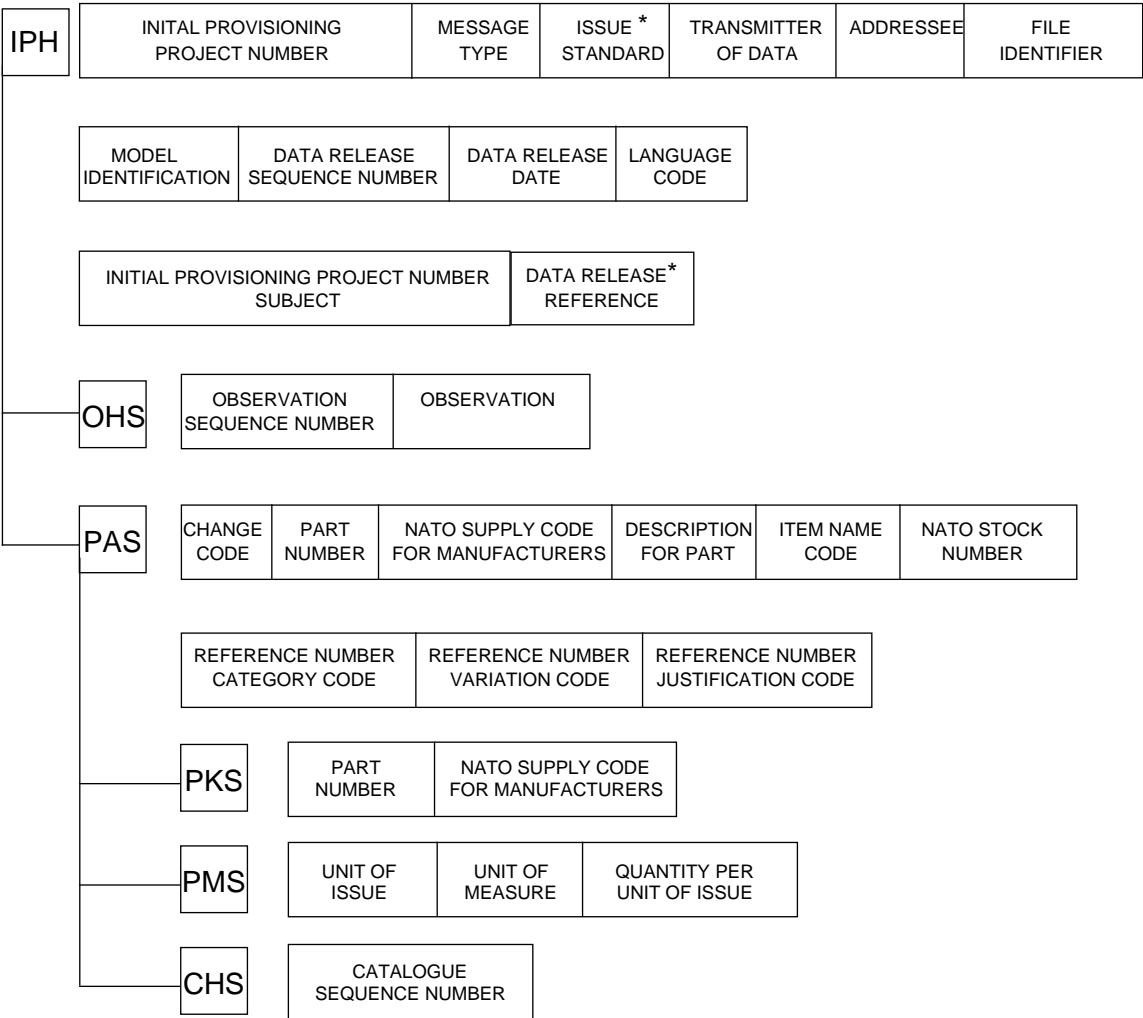
**CODREQ**

On agreement between Contractor and Customer, the CHS segment will provide a CSN reference of where the Part is used. Only a single CSN is to be provided, even if the Part appears in more than one location. This data will not be maintained and is provided merely to link the data submitted in the CODREQ and the item contained in the illustration, for the purpose of NSC validation by the NCB personnel.

Segment PMS will be provided, when agreed between Customer and Contractor, to give a better means of obtaining the appropriate NSN for those items which may be supplied in different units.

CODREQ

3. MESSAGE STRUCTURE



\* DATA ELEMENT IS NOT PROVIDED IN THIS MESSAGE

## CODREQ

### 4. EXAMPLES

#### 4.1 Transmission of Codification Request (minimum Data) based on Example 4.1 of Annex B.

**Message:**

UNH+. . .'

IPH+IPP:F61170026+MTP:CODREQ+....'

OHS+OSN:1+OBS:\*\*PAM PROPOSED FROM 150189 TO 200189'

PAS+CHG:N+PNR:31599BC060LE+MFC:F6117+DFP:WASHER+

INC:13393'

UNT+. . .'

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SECTION 1A-7

ANNEX I

CORRECTION OF IP DATA  
(CORIPD)

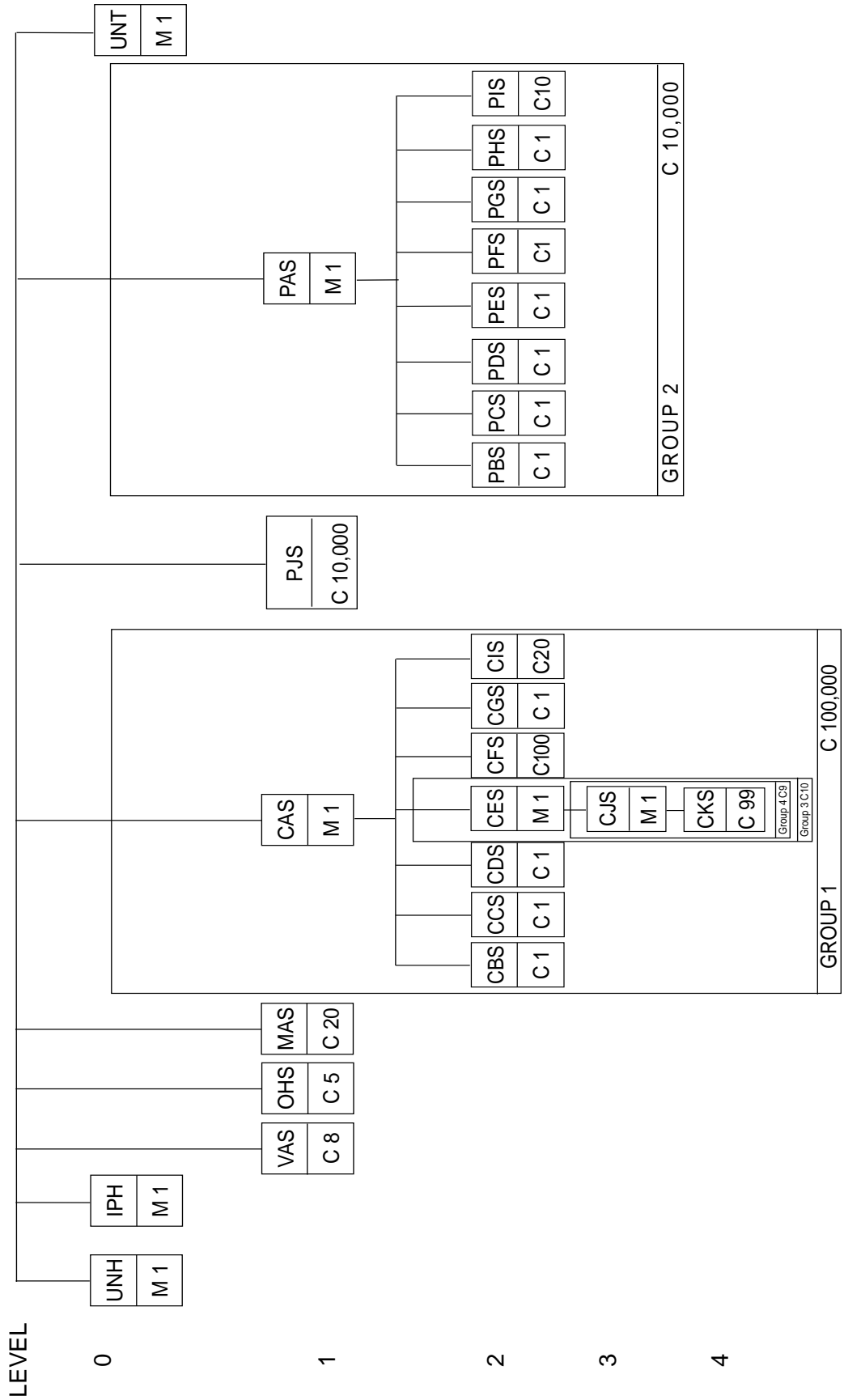
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# 1. BRANCHING DIAGRAM

## CORRECTION OF IP DATA (CORIPD)





## **CORIPD**

### **2. MESSAGE DESCRIPTION**

This message is used for the correction of all IP messages with the exception of OBSINF and CODREQ. Correction to OBSINF and CODREQ messages are achieved by re-transmitting the complete message.

The following cases of corrections apply:

- a. response to an ERRNLT message with Action Code "B" (see Annex A2-F, paragraph 5.5).
- b. response to an OBSINF message against a Draft Standard (see Section 1A-8, paragraph 5.1). If the message received by the Customer contains inadequacies which have not been identified through the communications processing, and these inadequacies prevent the full review by the Customer, he may use an OBSINF message to request a correction. The corrected part of the original message must be re-submitted using Message Type CORIPD as described in Section 1A-7.
- c. response to an OBSINF message against a Master Standard IP message in instances where the data does not reflect the PAM or Updating Meeting agreements (see Section 1A-8, paragraph 5.2).
- d. Contractor initiates CORIPD message, without a preceding OBSINF message, to correct non-compliance with agreements made at the PAM or Updating meeting.

The content of the CORIPD needs to reflect the content and structure of the original message.

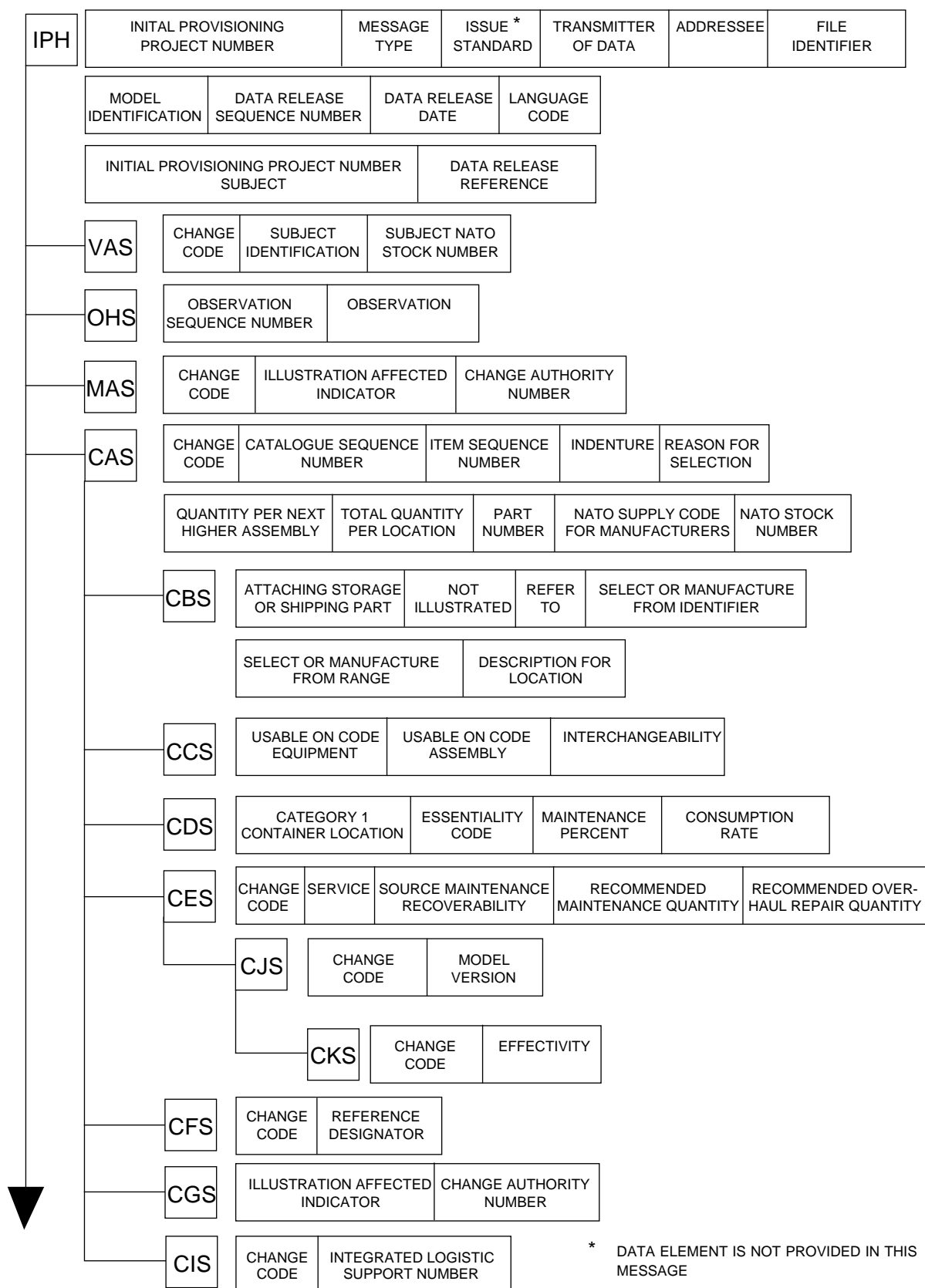
The OHS segment provides the means for the Contractor to transmit free text in association with the transmission as well as references to the received OBSINF messages. However, in case of response to an ERRNLT message, the original content of the OHS segment has to be re-transmitted.

In the case of a multi-Customer Project, the CORIPD should be transmitted to all Customers.

The CORIPD will include an increased DRSN, in line with the rules of the Data Dictionary.

## CORIPD

## 3. MESSAGE STRUCTURE



**CORIPD**

	PJS	PART NUMBER	NATO SUPPLY CODE FOR MANUFACTURERS	REPLACING PART NUMBER	REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	
	PAS	CHANGE CODE	PART NUMBER	NATO SUPPLY CODE FOR MANUFACTURERS	DESCRIPTION FOR PART	ITEM NAME CODE
		REFERENCE NUMBER CATEGORY CODE	REFERENCE NUMBER VARIATION CODE	REFERENCE NUMBER JUSTIFICATION CODE		
	PBS	UNIT OF ISSUE	STANDARD PACKAGE QUANTITY	TYPE OF PRICE	ITEM TYPE	SPARE PARTS CLASSIFICATION
		PURCHASING LEAD TIME	SPECIAL STORAGE	SHELF LIFE CODE	PACKAGING LEVEL CODE	PROCUREMENT CODE
	PCS	UNIT OF MEASURE	QUANTITY PER UNIT OF ISSUE			
	PDS	UNIT PRICE	CURRENCY CODE	MINIMUM SALES QUANTITY	PRICE BREAK DATA	
	PES	CONTRACTOR REPAIR TURNAROUND TIME	SCRAP RATE	MEAN TIME BETWEEN FAILURES/TIME/CYCLE INDICATOR/MTBF		
		TIME BETWEEN OVERHAULS/TIME/CYCLE INDICATOR/TBO	TIME BETWEEN SCHEDULED SHOP VISITS/TIME/CYCLE INDICATOR/TBSSV			
		AUTHORIZED LIFE/TIME/CYCLE INDICATOR/AL				TOTAL LIFE
	PFS	DOMESTIC MANAGEMENT CODE	HAZARDOUS MATERIAL	POOL ITEM CANDIDATE	FITMENT CODE	
		PHYSICAL SECURITY PILFERAGE CODE	ELECTROSTATIC SENSITIVE DEVICE	CALIBRATION MARKER		
PGS	SIZE OF UNPACKAGED UNIT	SIZE OF PACKAGED UNIT	WEIGHT OF UNPACKAGED UNIT	WEIGHT OF PACKAGED UNIT		
PHS	CATEGORY I CONTAINER IDENTIFICATION					
PIS	CHANGE CODE	SERVICE	TOTAL QUANTITY	RECOMMENDED MAINTENANCE QUANTITY	RECOMMENDED OVERHAUL REPAIR QUANTITY	

## CORIPD

## 4. EXAMPLES

- 4.1 Correction of data based on the observation in Example 4.1 of Annex G.

**Message:**

UNH+...'  
IPH+IPP:K09991234+MTP:CORIPD+TOD:K0999+ADD:D1234+FID:  
T+DRS:002+DRD:150594+LGE:UK+IPS:PUMP,HYD+  
DRR:K0999001'  
OHS+OSN:1+OBS:OBSINF DRR=D1234001'  
CAS+CHG:R+CSN: 14 124 +ISN:00A+MFC:12345'  
CBS+NIL:'  
PAS+CHG:R+PNR:ABCDEFGH+MFC:67890'  
PBS+UOI:HD'  
UNT+...'

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**SECTION 1A-8**  
**OBSERVATIONS**  
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## **OBSERVATIONS**

### **1. PURPOSE**

During the IP Process or the Updating Process the Customer will review the submitted IP data and illustrations at the various steps laid down in the Flow Charts in Section 1A-2.

Such reviews may result in observations which need to be exchanged between the Customer and the Contractor.

### **2. TYPE OF OBSERVATIONS/ERROR REPORTING**

2.1 Observations can arise under the circumstances described in Annex A.

2.2 In addition, messages might not be structured according to the applicable Branching Diagram or segments might not be constructed according to the applicable Segment Description.

To detect this situation it is necessary to perform:

- Checks against the Branching Diagram of the applicable Message Type in Section 1A-7.

These checks, if positive, will result in reporting those segment codes which are

- missing, but mandatory for the Message Type
- authorized for the Message Type, but exceed the maximum number in case of repetitive segments
- not authorized for the Message Type.

- Checks of segments against Segment Description in accordance with Section 1A-7.

These checks, if positive, would result in reporting

- TEI missing, but mandatory for the segment
- TEI not authorized for the segment.

However, these errors are not subject to reporting by the Observation message detailed in this section. They are handled by the ERRNLT message, details of which can be found in Appendix 2, Annex F, paragraph 4.

### **3. OBSERVATION MESSAGE**

3.1 The type of message appropriate to the exchange of Observations is "OBSINF" as described in Section 1A-7, Annex G.

3.2 The message "OBSINF" is structured into various segments, and the segments appropriate to each of the Observation types are shown in the matrix at Annex A.



#### **4. PRESENTATION OF OBSERVATIONS**

- 4.1 Irrespective of the type of Observation or the segment to which it is appropriate, the presentation of the data element (DE) "Observation" will be to a common format (see paragraph 4.3).

The format of the presentation will comprise the abbreviation of the data element together with the relevant information which may take the form of:

- a new value of the data element
- text
- Standard Observation Number (see Annex B).

If a new value for a data element is proposed, this proposed value follows the character "=" which in turn follows the abbreviation of the data element concerned:

This method is also used for providing Customer supplied data to the Contractor.

If there is a free text Observation, this free text will follow the characters "\*\*", which in turn follow the character "=", which follows the abbreviation of the data element concerned.

If, instead of free text Observation, a Standard Observation Number (SON) is used, this SON will follow the character "\*", which in turn follows the character "=", which follows the abbreviation of the data element concerned.

In case of more than one Observation against the same data element - which is unlikely to occur - these Observations are to be separated by the character "/". All other Observations are to be separated by the characters "/" (for examples see Annex C).

If an Observation is raised against a data element held within a repetitive segment, the Observation has to be qualified by quoting the value of the appropriate key. This qualification follows the Observation as described above.

- 4.2 There are certain Observations which do not require to be related to specific data elements. These Observations may involve the acceptance of meeting dates, illustration related or technical/general questions and should therefore be provided as text or as a Standard Observation Number as appropriate.

4.3 The following table shows all possible formats of Observations as described in paragraphs 4.1 and 4.2:

OBSERVATION related to a Data Element		
<ABBREVIATION OF DE>=	<CUSTOMER PROVIDED VALUE>	/WHERE <ABBREVIATION OF THE SUBORDINATE KEY DE>=<VALUE OF THE SUBORDINATE KEY DE>  (if related DE is in a repetitive subordinate Segment)
	<PROPOSED NEW VALUE>	
	* <SON>	
	** <TEXT>	
OBSERVATION not related to a Data Element		
	* <SON>	
	** <TEXT>	
	<CONTINUED TEXT>	
	(if OHS Segment and OSN greater than 1)	

(The data contained within the characters "<>" is to be the value of the information described)

## **5. ACTION BY CONTRACTOR**

### **5.1 Action against Draft Standard**

After receipt of the Observations, the Contractor will process the Observations and, where applicable, he will update the IP data and/or the illustrations in preparation of the Formal IPL. If for any reason Observations cannot be incorporated, the Contractor will provide those Observations, together with his recommendation (to the Customer) for further discussion and agreement at the Pre-Assessment Meeting or the Updating Meeting.

Observations will be presented in a consolidated list in the same sequence as the IPPN to which they relate. Where a number of customers have supplied Observations, the source of the Observation will also be provided.

### **5.2 Action against Master Standard**

In certain cases the Contractor may receive Observations against the submitted Master Standard. If this occurs, the Contractor will process the Observations and update his IP data and illustrations as necessary. Observations which reflect non-compliance with agreements made at the PAM will be processed by means of Message Type "CORIPD" as described in Section 1A-7. The Contractor may also initiate a CORIPD message, without a preceding OBSINF message, to correct non-compliance with agreements made at the PAM. Observations which reflect a requirement for other changes are to be processed as Update Messages. The use of CORIPD is restricted to two months from the date of the issue of the Master IPL (see Section 1A-2, Step 6.6)

In the exceptional circumstances that the Customer's Observations identify the need for major re-work, the Contractor may be requested to re-submit the Draft with a raised Issue Standard (see Section 1A-1, paragraph 6.3.3).

### **5.3 Action against Observations**

For all Observations which cannot be incorporated, the Contractor will provide Observations to the Customer stating the reasons for non-acceptance. In response, the Customer will clarify, revise or otherwise advise his decision by means of a further Observation message. In these cases, the Data Release Reference (DRR) will always refer to the previous incoming message which has prompted this response.

### **5.4 Conference Support**

If agreed between Customer and Contractor at the outset of a Multi-Customer Project, Observations may be sent from any participant to any or all of the others. If an agency is involved in the Project, Observations might also be copied and distributed by that agency. The use of this procedure in advance of a Pre-Assessment or Updating Meeting, or for ex-committee approval of Category 1 Changes, could reduce the timescale of the IP process by eliminating the requirement for meetings.

**ANNEX A TO SECTION 1A-8**

**APPROPRIATE SEGMENTS FOR TYPE OF OBSERVATIONS**

## SPECIFICATION 2000M

OBSERVATION TYPE	SEGMENT TYPE			
	OHS	OCS	OPS	OIS
Non-compliance with the format or left/right hand justification of data elements according to Appendix 1 (Data Dictionary)	X	X	X	-
Non-compliance with the IPL Data Element Matrix according to Section 1A-4, Annex B	X	X	X	-
Non-compliance with the Compilation Data Element Matrix according to Section 1A-3, Annex A and B	-	X	X	-
Proposed change to a submitted data element value	X	X	X	-
Comments on illustrations	-	-	-	X
Narrative information applicable to the IP project (e.g. proposal/acceptance of meeting dates)	X	-	-	-
Other narrative information on location related matters (e.g. missing breakdown information; illustration/text discrepancies)	-	X	-	-
Other narrative information on part related matters (e.g. SON '011')	-	-	X	-
Values for Customer provided data	-	X	X	-
Observations of a general nature which may be used to convey information or requests	X	X	X	X

**ANNEX B TO SECTION 1A-8**  
**STANDARD OBSERVATION NUMBERS**

## SPECIFICATION 2000M

1. Standard Observation Numbers (SON) are assigned to facilitate the preparation of Observations where otherwise free text would be used (see paragraph 4 of this Section). The SON is a three digit numeric code.

The range of codes for the specified use is assigned as follows:

001 - 299 IP data/illustrations/Illustrated Parts Catalogue  
600 - 799 Codification  
900 - 999 for national use only

2. Only the codes listed below are authorised for IP data, illustrations, Illustrated Parts Catalogues.

001	format/justification of DE is incorrect
002	DE is incorrect
003	DE is missing
004	DE not required
005	DE correct?
006	item not in proper sequence
007	item to be illustrated
008	breakdown required
009	breakdown incomplete
010	breakdown not required
011	transmitted parts related data is not supported by a location
012	no parts related data available for the transmitted location
013	data element change not authorized as category 2 change
014	
to	not assigned
099	
100	title is missing/incorrect/does not agree with text
101	line weight incorrect
102	line (illustration-, centre-, reference-, projection-) missing/routed incorrectly
103	type size incorrect
104	location drawing missing/incorrect/inadequate
105	direction of view incorrect/missing/inadequate
106	rotated ...° is incorrect/missing/inadequate
107	mode of presentation inadequate
109	too much detail per page; illustrate on extra page(s)
110	presentation of detail parts incorrect/missing
111	how is item attached?
112	items permanently mounted/welded/soldered are not to be illustrated separately
113	item illustrated but not in text
114	item on illustration not/incorrectly indexed
115	item not clearly illustrated

116	item not to be illustrated
117	
to	not assigned
249	
250	change contained acceptable (for detail see Section 1A-6)
251	change contained acceptable subject to the following changes (for detail see Section 1A-6)
252	change contained not acceptable or not understood (for detail see Section 1A-6)
253	updating meeting required (for detail see Section 1A-6)



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**ANNEX C TO SECTION 1A-8**

**EXAMPLES**

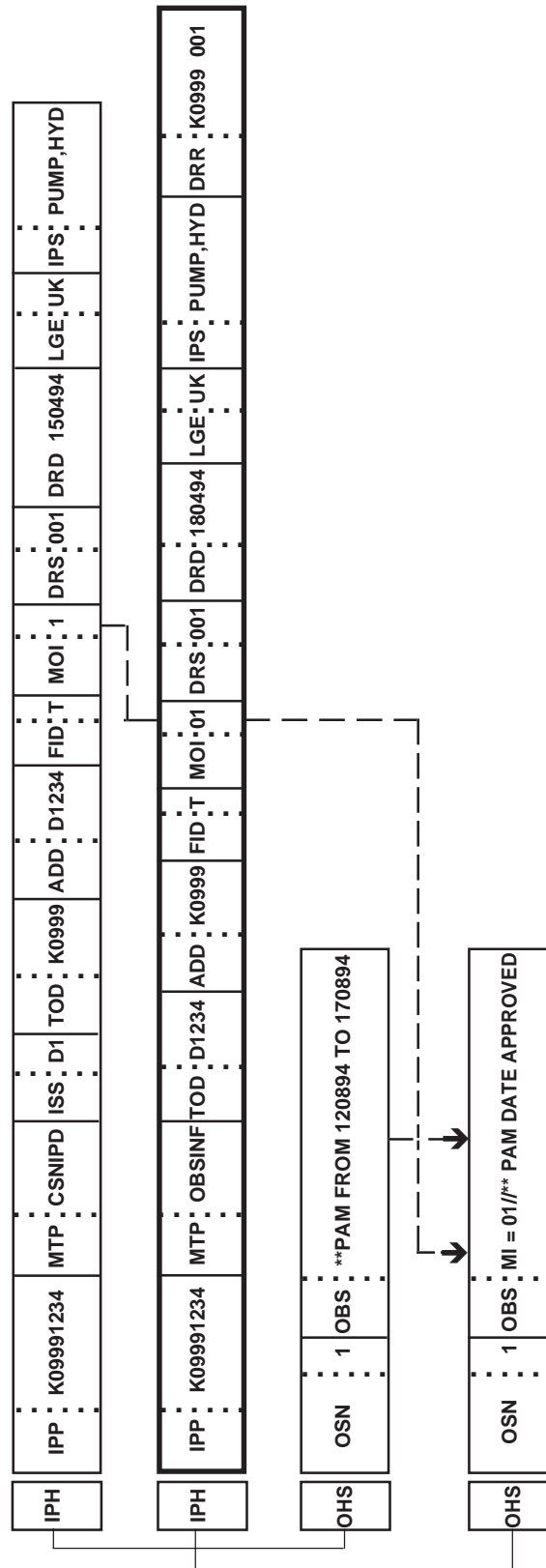
## SPECIFICATION 2000M

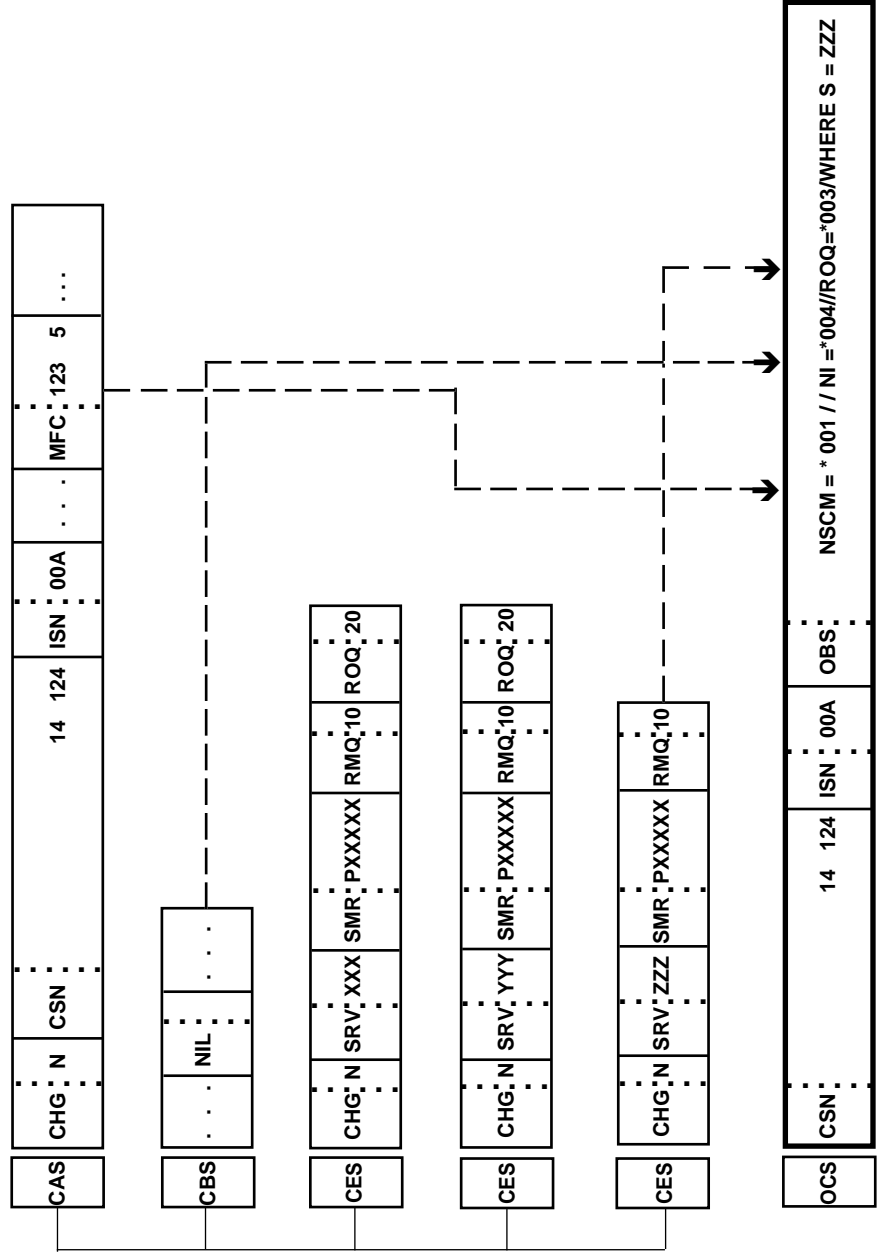
In the example on the following pages the Segments with thin lines represent an incoming message from a Contractor and the Segments in bold lines the outgoing Observation. For ease of comparison the corresponding Segments are listed one below the other.

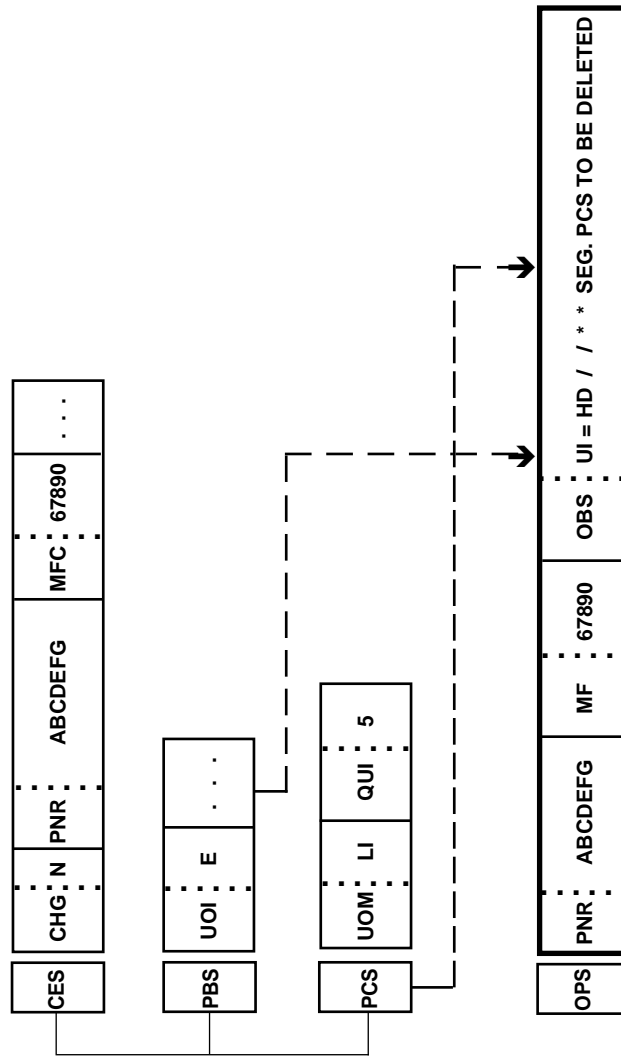
The following errors are worked into the example:

- IPH-Segment: Model Identification "1" instead of "01"
- CAS-Segment: Nato Supply Code for Manufacturers "123 5" instead of "12345"
- CBS-Segment: The Not Illustrated Indicator "-" was inserted although the item is shown on the illustration
- CES-Segment: The ROQ for the Service "ZZZ" is missing although applicable
- PBS-Segment: Unit of issue "E" instead of "HD" as previously assigned
- PCS-Segment: Not required because unit of issue is definitive

In addition the Contractor proposed the Pre-Assessment Meeting to be held from August 12 to August 17, 1994.







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**CHAPTER 1B - NATO CODIFICATION**

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## **NATO CODIFICATION**

### **1. PURPOSE**

The purpose of this Chapter is to give a brief outline of the Nato Codification System (NCS) and to show in detail the responsibility of those involved in its implementation.

### **2. THE NATO CODIFICATION SYSTEM**

2.1 The NCS is based on two NATO Standardization Agreements (STANAGs):

- STANAG 3150 The Uniform System of Supply Classification
- STANAG 3151 The Uniform System of Item Identification

The System applies two fundamental rules:

- Each different Item of Supply will be identified by a unique number known as the NATO Stock Number (NSN), which is defined in the Data Dictionary (see Appendix 1).
- The National Codification Bureau (NCB) of the country manufacturing an Item of Supply is normally responsible for allocating the NSN to that item.

The second rule pertains even though the manufacturing country may not itself use the item.

2.2 The NCS is an integral part of day-to-day supply operations of NATO nations. By establishing a single supply language and providing accurate information on the identity and characteristics of an item, the NCS enables the avoidance of duplication. Control of the NATO Codification System and codification procedures is vested in Allied Committee 135, the Group of National Directors on Codification.

2.3 The codification procedure detailed in this Chapter has been specially developed by the Allied Committee 135 to meet the particular needs of Multi-National projects, but it can also be used for single Nation projects. The two principles of this procedure are firstly the rapid generation of NSNs to meet the needs of Contractors and Customers and secondly the minimization of codification costs for items in high technology projects which may have uncertain design stability in the early stages of project development and production.

2.4 In the provisioning process defined in this specification, the procedure for the allocation of NSNs involves the Contractor presenting IPL data to his Home NCB and the Customer.

2.5 In the event that manufacturers in different countries are producing the same item, the responsibility for allocating the NSN will rest with the NCB of the Contractor having the design rights of that item, even if the item is not manufactured in the country of design. When items are identified by a National or International Specification or Standard which is administered and controlled by a single authority, the Home NCB of that authority will be responsible for allocating NSNs to the items meeting the specification or Standard.

## **SPECIFICATION 2000M**

- 2.6 Where items are identified as being internationally standard and are identical, without restriction to one particular manufacturer or producer nation, the Home NCB will make application to the appropriate NATO authority for the assignment of a NATO Standard Stock Number (NSSN) which will be identified by the Nation Code '11'. An NSSN is defined in the NATO Manual ACodP1 as being:

"A NATO Stock Number with the Code for National Codification Bureau (NCB) 11 assigned by an authoritative NATO authority/pilot country to items produced in more than one country and in conformity with the same item of supply concept recognised by all user countries"

### **3. THE CONTRACTOR'S RESPONSIBILITIES**

- 3.1 It is the responsibility of the Contractor presenting provisioning data to his customer, also to initiate a request for the allocation of NSNs to any prospective Items of Supply. This specification requires the Contractor to perform that function simply by passing to his Home NCB a copy of the same data passed to his Customer. However, as an alternative, and by mutual agreement between a Contractor and his NCB, this exchange of data may be reduced to the minimum required for the codification process. For message detail see Section 1A-7 Annex H. In addition and again, if agreed between a Contractor and his NCB, the request for codification may include any known NSN for which the Contractor is not yet registered as an Authorized Data Receiver to be verified.
- 3.2 The minimum data required for the initial submission of a request is:
- NSCM (See Data Dictionary)
  - Part Number (See Data Dictionary)
  - Proposed NSC (The first 4 digits of NSN)
  - Item Name Code (See Data Dictionary)
  - Description for Part, which includes the Item Name (See Data Dictionary)
  - Part Number and NSCM of "ICY9" parts which should attract the same NSN
  - UI, UM, QPUI and CSN as optional data when agreed between Contractor and NCB.
- 3.3 In addition, the Contractor will be required to provide his Home NCB with any supporting data; e.g. engineering drawings and specifications, as well as illustrations, when requested. The Contractors are responsible for their sub-contracted suppliers, therefore they must ensure that sub-contractors provide supporting data to NCBs when it is requested for codification.
- 3.4 The Contractor is also responsible for identifying or selecting the correct NSN, when potential matches are referred to him by his Home NCB, as a result of the codification screening process.

- 3.5 When a project has a formal standardization plan, the Contractor, in co-operation with the Customer, is responsible for selecting candidate items from the plan for NSSN assignment and for primarily identifying such items under a project assigned NSCM. An implicit requirement for item selection under this criteria is the availability of Standard Documents containing internationally agreed characteristics data.
- 3.6 The Contractor's point of contact with the NCS is always to be through his Home NCB.
- 3.7 After verifying the accuracy of existing NSNs in the IPL, or when allocating an NSN to items which have not been codified, the Home NCB will register the Contractor as an Authorized Data Receiver. The Home NCB will then subsequently notify the Contractor of all changes in the data elements for which he is an Authorized Data Receiver, ensuring that codification results to a Contractor are always kept up to date. Deregistration as an Authorized Data Receiver will be initiated by the Contractor - applying rules as established between him and his Home NCB - whenever data related to a specific NSN is no longer required.
- 3.8 Messages from Contractors to their Home NCBs are to be structured in accordance with the instructions contained in Section 1A-7.

#### **4. THE NATIONAL CODIFICATION BUREAU'S RESPONSIBILITIES**

- 4.1 It is the responsibility of the NCBs to perform codification according to standard procedures as outlined in the NATO Manual on Codification ACodP-1.
- 4.2 In addition to the task as per paragraph 4.1, the Home NCB will serve as the recipient of all codification requests from a Contractor and as the coordinator for these processes until they are completed. This task includes:
- The registration of Contractors as Authorized Data Receivers and all resultant actions.
  - The progression of screening and of the clearance of potential matches and matches through association.
  - The progression of any requests passed to other NCBs.
  - The transmission of NSNs to the Contractor not later than 90 days from the transmission date of the codification request.
  - The progression of all subsequent action to complete the full codification process.
  - The verification of the accuracy of NSNs and the supporting data submitted with these NSNs as agreed as per paragraph 3.1.

## **SPECIFICATION 2000M**

- 4.3 A procedural flowchart detailing the interaction between Contractors, Customers and NCBs is provided at Annex A.
- 4.4 Messages between NCBs use the formats defined in the NATO manual ACodP-1. Similar standard formats for messages between NCBs and Contractors are the long-term goal of the NATO Allied Committee 135. However, until standard formats are devised for such messages, national rules apply.

### **5. THE APPLICATION OF NATO CODIFICATION IN NON-NATO COUNTRIES**

Although designed specially for use within NATO, Codification has also been adopted by other countries. These countries are known as 'Sponsored' countries. There will also be occasions when Contractors within NATO countries will wish to persuade other Customers outside NATO to use NSNs as a means of identifying items. The Codification regulations provide for Contractors to apply for assistance in such cases.

### **6. THE APPLICATION OF SPECIFICATION 2000M WITHOUT NATO CODIFICATION**

As Specification 2000M is intended for international application, there will be occasions when Contractors outside NATO countries and/or non-NATO customers do not require NATO Codification. In such circumstances, this specification can also be operated using NSCMs and Part Numbers as the key means of item identification without using the contents of this Chapter.

SECTION 1B-1

ANNEX A

FLOW CHART OF THE NATO CODIFICATION PROCEDURE

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## **1. PURPOSE**

This flow chart illustrates the procedures outlined in Chapter 1B. In respect of the critical procedural steps, it also shows the timescales for each, measured in calendar days from the initial request for codification (time 0). The flow chart uses the symbology of a crossed circle for originators of actions, a blank circle for recipients of actions and a dotted circle for optional recipients of actions.

## **2. ABBREVIATIONS**

Included in the flow chart are the following abbreviations:

AC/135	=	ALLIED COMMITTEE 135
INC	=	ITEM NAME CODE
IP	=	INITIAL PROVISIONING
IPL	=	INITIAL PROVISIONING LIST
NCB	=	NATIONAL CODIFICATION BUREAU
NSC	=	NATO SUPPLY CLASSIFICATION
NSCM	=	NATO SUPPLY CODE FOR MANUFACTURER
NSN	=	NATO STOCK NUMBER
0	=	TRANSMISSION DATE OF CODIFICATION REQUEST
RNCC	=	REFERENCE NUMBER CATEGORY CODE
RNJC	=	REFERENCE NUMBER JUSTIFICATION CODE
RNVC	=	REFERENCE NUMBER VARIATION CODE

## **3. DEFINITIONS**

The flow chart uses a number of codification terms taken from NATO Codification Publications. Whilst these terms normally have specific meanings to those involved in Codification, the strict definitions have been simplified for the benefit of this specification. The definitions given below therefore apply only in the context of this specific codification procedure. These simplified definitions are:

### **3.1 Exact Match**

An 'Exact Match' occurs when, on screening of a codification request, the NCB finds on its database a single NSN, the supporting record of which includes data which corresponds precisely with the information submitted for screening.

### **3.2 Potential Match**

A 'Potential Match' occurs when, on screening of a codification request, the NCB finds on its database more than one NSN, the supporting records of which include data which appear to correspond with the information submitted for screening.

## **SPECIFICATION 2000M**

### **3.3 Match Through Association**

A 'Match Through Association' occurs when, on screening of a codification request, the NCB finds on its database a single NSN, the supporting record of which includes data which corresponds with all elements of the information submitted for screening except the NSCM. Furthermore, the NSCM submitted must be that of a manufacturer who is known to have an association with the manufacturer whose NSCM appears within the supporting record of the NSN concerned. For example, where manufacturers have multinational affiliations, or are known to have changed company names or to have undergone mergers with other manufacturers.

### **3.4 No Match**

A 'No Match' occurs when, on screening of a codification request, a NCB finds that none of the conditions at 3.1, 3.2 or 3.3 above is met.

### **3.5 User Registration**












'User Registration' is the process whereby a NCB amends the supporting record of a NSN to show that the NSN is in use by specified Services of that nation, or by the NCB of another nation. The NCB recording 'User Registration' must then inform the registered user of any subsequent changes either to the NSN or to any element of its supporting record.

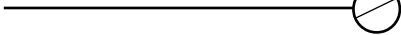


### **3.6 Authorized Data Receiver**

When a Contractor is registered by a NCB as an 'Authorized Data Receiver' for a given NSN, the Contractor will be informed of any subsequent changes to the following elements of that NSN's supporting record:

NSN  
Item Name  
INC  
NSCM(s)  
Part Number(s)  
RNCC(s)  
RNV C(s)



















## 4. FLOW CHART

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
1.	AC/135 ESTABLISH A CODIFICATION SUB-GROUP TO MANAGE NATO CODIFICATION ASPECTS OF THE PROJECT:						THIS STEP APPLIES ONLY TO MAJOR NATO PROJECTS.
2.	THE GUIDANCE CONFERENCE IS HELD						
3.	THE SUB-GROUP REQUESTS NATO PROJECT CODES.						THE NATO PROJECT CODES ARE USED ONLY BY NCBS. THIS STEP APPLIES ONLY TO CERTAIN MAJOR NATO PROJECTS.
3.1	THE HOME NCB INSTALLS A SUSPENSE FILE TO CONTROL THE PROGRESS OF CODIFICATION FOR THE PROJECT, IF REQUIRED (NATIONAL OR MULTI-NATIONAL PARTNER AGREED RULES APPLY).						NATIONAL RULES ON THE FORMATTING OF THE SUSPENSE FILE WILL APPLY.
4.	THE CONTRACTOR TRANSMITS DRAFT IPL DATA FOR EACH ITEM.					0	THE CONTRACTOR TRANSMITS EITHER THE FULL DRAFT IPL DATA, OR, BY PRIOR ARRANGEMENT, AN EXTRACT CONTAINING AS MINIMUM: A. NSCM B. PART NUMBER C. PROPOSED NSC D. INC E. DESCRIPTION FOR PART (WHICH INCLUDES ITEM NAME) F. PN AND NSCM OF ICY9 ITEMS:

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
5.	THE HOME NCB SCREENS ALL ITEMS BY NSCM AND PART NUMBER						BY PRIOR ARRANGEMENT BETWEEN CONTRACTOR AND HOME NCB THE DATA SUBMISSION MAY INCLUDE NSN FOR WHICH THE CONTRACTOR IS NOT AN AUTHORIZED DATA RECEIVER.
5.1	FOR ALL "EXACT MATCHES" THE HOME NCB TRANSMITS THE NSN TO THE CONTRACTOR AND REGISTERS THE CONTRACTOR AS AN AUTHORIZED DATA RECEIVER.					0+7	ADDITIONALLY IT MAY ALSO INCLUDE UI, UM, QPUI AND CSN IN ACCORDANCE WITH CODREQ MESSAGE DEFINITIONS.  CONTRACTORS ARE TO BE CONSIDERED AUTHORIZED DATA RECEIVER OF:  A. NSN B. ITEM NAME C. INC D. NSCM (S) E. PART NUMBER (S) F. RNCC (S) G. RNVC (S) H. RNJC

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
5.2	THE HOME NCB REFERS ALL POTENTIAL MATCHES TO THE CONTRACTOR					0+9	THIS ACTION WILL TAKE PLACE AS SOON AS POSSIBLE, BUT NO LATER THAN AT STEP 12 OF THIS FLOW CHART.
5.3	THE HOME NCB RESOLVES "MATCHES THROUGH ASSOCIATION"						
6.	THE CONTRACTOR RESOLVES "POTENTIAL MATCHES" USING THE APPROPRIATE TECHNICAL EXPERTISE						
6.1	WHERE A CONTRACTOR IDENTIFIES THAT A "POTENTIAL MATCH" RELATES TO A SPECIFIC NSN, HE SUBMITS A REQUEST TO A BE REGISTERED AS AN AUTHORIZED DATA RECEIVER.						
6.2	WHERE NONE OF THE NSNs OFFERED IS ACCEPTABLE AND THE ITEM, THEREFORE, MUST BE CODIFIED, THE CONTRACTOR SUBMITS A REQUEST FOR CODIFICATION, TOGETHER WITH THE REFERENCE NUMBER JUSTIFICATION CODE.						THIS ACTION WILL TAKE PLACE AS SOON AS POSSIBLE, BUT NO LATER THAN AT STEP 12 OF THIS FLOW CHART.
7.	THE HOME NCB EXTRACTS DATA FOR ALL REMAINING ITEMS AND SORTS PART NUMBERS INTO "OWN" AND "OTHER" COUNTRIES, USING THE NSCM AS THE KEY.						
7.1	THE HOME NCB SUBMITS ALL NON ACCEPTED "POTENTIAL MATCHES" AND ALL "NO MATCHES" TO THE APPROPRIATE NCB.						






# SPECIFICATION 2000M

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
8.	THE HOME NCB CODIFIES ALL "NO MATCH" ITEMS OF NATIONAL ORIGIN AND TRANSMITS NSNS TO THE CONTRACTOR.						IF DRAWINGS ARE REQUESTED, BUT ARE NOT AVAILABLE TO MEET THE 90-DAY TIMEFRAME, AN NSN WILL, NEVERTHELESS, BE ALLOCATED, PROVIDED THE MINIMUM SUPPORTING DATA FOR THE ITEM IS AVAILABLE - SEE STEP 4.
8.1	THE HOME NCB REGISTERS THE CONTRACTOR AS AN AUTHORIZED DATA RECEIVER.						SEE REMARKS AT STEP 5.1.
9.	THE OTHER NCB SCREENS ALL ITEMS SUBMITTED BY THE HOME NCB FOR CODIFICATION, AGAINST ITS OWN DATABASE.						
9.1	THE OTHER NCB REGISTERS THE HOME NCB AS A USER AND TRANSMITS NSNS FOR "EXACT MATCHES" TO THE HOME NCB.						
9.2	THE HOME NCB TRANSMITS NSNS RECEIVED FROM THE OTHER NCB TO THE CONTRACTOR AND REGISTERS THE CONTRACTOR AS AN AUTHORIZED DATA RECEIVER.					0+16	
9.3	THE OTHER NCB RETURNS ALL "POTENTIAL MATCHES" TO THE HOME NCB FOR ACTION WITH THE CONTRACTOR, AS AT STEPS 5.2 TO 6.2.					0+82	
9.4	THE OTHER NCB CODIFIES "NO MATCH" ITEMS AND TRANSMITS NSNS AND FORWARDS ANY NATO FORMS AC/135. NO. 27 TO HOME NCB.						

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
9.5	THE OTHER NCB REGISTERS THE HOME NCB AS A USER.						
10.	THE HOME NCB TRANSMITS NSNS TO THE CONTRACTORS, GIVING THE INFORMATION CONTAINED IN NATO FORM AC/135 NO. 27 (IF APPLICABLE), AS THEY ARE RECEIVED, AND REGISTERS THE CONTRACTOR AS AN AUTHORIZED DATA RECEIVER.					0+90	SEE REMARKS AT STEP 5.1.
11.	THE PRE-ASSESSMENT MEETING IS HELD.					0+110	A REPRESENTATIVE OF THE NCB MAY TAKE PART IN THE PRE-ASSESSMENT MEETING.
12.	ADDITIONAL CODIFICATION REQUESTS, NECESSITATED BY DECISIONS MADE AT THE PRE-ASSESSMENT MEETING ARE SUBMITTED BY THE CONTRACTOR TO THE HOME NCB.					0+124	SUBMISSION TO BE IN ACCORDANCE WITH STEP 4 OF THIS FLOW CHART, THEREAFTER STEP 5 TO 10 APPLY.
13.	THE CONTRACTOR PREPARES AND TRANSMITS THE MASTER IPL.					0+170	SEE REMARKS TO STEP 4.
14.	ALL SERVICES INITIATE USER REGISTRATION WITH THEIR HOME NCBs.						
14.1	RESULTING FROM STEP 14, WHEN APPLICABLE NATIONAL NCBs INITIATE USER REGISTRATION WITH OTHER NCBs.						



SPECIFICATION 2000M

STEP	ACTION	CONTRACTOR	HOME NCB	OTHER NCB	CUSTOMER	TIME SCALE (DAYS)	REMARKS
15.	FULL CODIFICATION CONTINUES AT THE APPROPRIATE NCB.						
16.	THE CONTRACTOR INITIATES ACTIONS TO WITHDRAW DATA RECEIVER INTEREST WITH THE HOME NCB FOR ALL ITEMS NO LONGER REQUIRED.	  					

CHAPTER 1C - ILLUSTRATED PARTS CATALOGUE

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## **SECTION 1C-1**

### **ILLUSTRATED PARTS CATALOGUE - GENERAL**

#### **1. PURPOSE**

- 1.1 The purpose of an Illustrated Parts Catalogue (IPC) is to provide a spare parts breakdown for personnel engaged in maintenance and stock management activities. The specific functions are:

- Identification of spare parts
- Identification of physical relationship of parts
- Identification of the method of supply
- Identification of the responsibility for the execution of an intended maintenance action.

- 1.2 This Chapter describes how data, compiled and approved during Provisioning, is to be extracted from the data store and, together with the related illustrations, presented as an IPC.
- 1.3 The basic rules for the presentation of data, together with specific criteria how certain elements are to be portrayed to the reader of the IPC, are contained within this Chapter. A definition of terms has not been included in this chapter and reference should be made to the Data Dictionary (Appendix 1) for the precise meaning and interrelationship of data elements.

#### **2. GENERAL PRESENTATION OF AN IPC**

An IPC may be prepared on microfiche, in some form of ADP medium, (e.g. direct on-line access to an IPC held on a data base, optical disc, floppy disc) or as a printed catalogue. The content of all forms of catalogue is identical, however, the differing media require some minor differences in format. This Chapter describes the presentation of an IPC in microfiche form (see Section 1C-2, paragraph 1) and the printed form (see Section 1C-2, paragraph 2).

The Chapter caters for the production of microfiche by Computer Output on Microfiche (COM) or an intermediary medium (photographic process).

The technology for the extensive use of catalogues on various ADP media is under development and additional paragraphs will be added when such processes become generally available.

#### **3. LANGUAGE**

IPCs are to be prepared in the language specified by the Customer. For multi-national projects consideration should be given to the use of a common language.

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### **4. SECURITY**

IPCs are to be classified and marked in accordance with the Customer's national security rules. The security classification shall be positioned in the centre of each half-frame/page at both top and bottom. The size of the letters shall conform to the Customer's security regulations.

### **5. STRUCTURE AND CONTENTS**

An IPC can be either Chapterized or non-Chapterized. Chapterized IPCs are produced for Aircraft and Engine presentations. Non-Chapterized IPCs are produced for all other items of equipment requiring their own separate IPCs. In both cases, the key used to identify IPC line entries is the Catalogue Sequence Number (CSN), see Data Dictionary (Appendix 1).

Each IPC consists of the following parts:

IPC-Illustration and Text (IPC-IT)

IPC-Cross Reference Index (IPC-CR)

The IPC-IT can be sub-divided into two parts:

Preliminary Material such as Title, Contents, Introduction etc., see paragraph 1.2.2 and paragraph 1.3.2 of Section 1C-2

Main Body comprising of the illustrations and the parts listing, see paragraph 1.2.3 and paragraph 1.3.3 of Section 1C-2

For Microfiche IPCs the Preliminary Material always appears in the first microfiche. The Main Body follows the Preliminary Material on the same microfiche and may continue on subsequent microfiche. The Cross Reference must always appear on a separate microfiche. Every IPC will therefore comprise a minimum of 2 microfiche.

For printed IPCs, the IPC-IT and the IPC-CR may be bound together in a single volume.

## SECTION 1C-2

## PREPARATION OF ILLUSTRATED PARTS CATALOGUE

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## **PREPARATION OF ILLUSTRATED PARTS CATALOGUE (IPC)**

### **1. MICROFICHE ILLUSTRATED PARTS CATALOGUE (IPC)**

#### **1.1. Microfiche Layout**

##### **1.1.1 Microfiche Format**

The microfiche shall be prepared in DIN A6 format (see Figure 1). It shall contain 63 frames, each frame being 15,5mm x 12,5mm. This represents the x24 reduction from 372mm x 300mm. (ISO5126-1980/DIN 19054). The microfiche is to be read in a vertical manner. Details of the line and column numbering are given in Figure 2.

##### **1.1.2 Microfiche Numbering**

Each microfiche in a multi-fiche set shall be numbered sequentially, starting at 1, in characters that shall appear not less than 1,75mm high.

On the first microfiche only, the microfiche number is followed by an oblique and the total number of microfiche comprising the IPC.

##### **1.1.3 Microfiche Header**

Each microfiche shall be provided with a heading strip at the top containing the information necessary to identify the subject catalogued and the microfiche content.

The information shall appear not less than 1,75mm high, and shall consist of the following:

The security classification of the IPC

The publication reference

The issue date, i.e. the date on which the material was finalized for issue or re-issue (month and year in figures)

The title of the IPC including subject description

Microfiche number (see paragraph 1.1.2)

For Chapterized IPC-IT, the first 9 characters of the first Catalogue Sequence Number on that particular microfiche

For non-Chapterized IPC-IT, the first figure number on that particular microfiche

For IPC-CR, the first search key on that particular microfiche.

Examples of microfiche headers are given in Figure 3, but the precise details of layout, colour and content are subject to negotiation with the Customer.

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### **1.1.4 Microfiche IPC Updates**

Microfiche IPCs are normally updated by the re-issue of the complete IPC. When considered economic and agreed contractually, partial revisions of IPCs may be issued. Where partial revision of IPCs are authorized, a list of effective microfiche is to be produced (see paragraph 1.2.2 and Figure 8).

When an additional microfiche is added, the new microfiche is identified by an alpha suffix.

### **1.1.5 Microfiche Frame Layout**

The layout of the microfiche frames varies dependant upon the contents, the frame layouts are illustrated in:

Preliminary Material (Option 1 and 2) in Figure 4, see also paragraph 1.2.2

IPC-IT in Figure 5, see also the detailed rules for text in paragraph 1.2.3 and paragraph 1.3.3

IPC-CR in Figure 6. Detailed rules for the compilation of the IPC-CR are given in paragraph 1.6.

Frames are to be numbered in accordance with the grid system in Figure 2. Provision has been made within the frame layouts for the inclusion of Customer-related information, such as Publication Number, Chapter Title, to appear at the top of each frame (see Figures 4 to 6).

## **1.2 Chapterized IPC**

### **1.2.1 Chapterization**

The chapterization used shall be in accordance with AECMA Specification 1000D allocation of chapters.

### **1.2.2 Preliminary Material**

The frame layout for Preliminary Material may be either two half-frames in upright format (option 1) or a single landscape full-frame (option 2) (see paragraph 1.1.5 and Figure 4). The Preliminary Material for a Chapterized IPC comprises of the following:

IPC Title frame. The first left-hand half-frame shall contain the title and Copyright (see Figure 7).

List of Effective Microfiche. When the partial updating of microfiche has been agreed, a list of all microfiche in the set shall be provided showing the current issue standard (see Figure 8).

IPC Contents. A Catalogue Contents Table showing the Chapter number and chapter title with the number of the microfiche on which each Chapter begins (see Figure 9).

Introduction. The introduction shall contain a statement on the purpose of the catalogue and an explanation of how to use the catalogue, as well as an explanation of the meaning and coding of data presented within the catalogue. It shall contain details such as:

Abbreviations used

Explanation of Model Version, Effectivity and Usable On Codes

List of incorporated modifications

An illustration of the general arrangement of the aircraft showing overall dimensions

An illustration of fuselage frame stations

An illustration of wing rib structure

An illustration of major assemblies together with maximum weights and dimensions

An illustration and checking list of engine module and sub module breakdown.

IPC introductions are to be produced in conjunction with the Customer.

### 1.2.3 Main Body

The Main Body of the IPC will contain the illustrations and text organized into Chapters, Sub-Sub-Chapters, units and figures (see paragraph 1.2.3.2). Each Chapter will begin with a Chapter Contents Table. The first Chapter shall follow the Preliminary Material and start on the same microfiche. Each subsequent Chapter shall commence on a new microfiche.

#### 1.2.3.1 Chapter Contents Table

The Chapter Contents Table shall identify the Chapter number and title, the breakdown of the Chapter giving the Sub-Sub-Chapter numbers, the Unit number, the Figure number, the Figure title, and the microfiche and frame numbers on which they appear (see Figure 10).

#### 1.2.3.2 Illustrations and Text Layout

The frame format for illustrations and text is two upright half-frames. All illustrations appear on the left-hand half-frame and the text appears on the right-hand half-frame. Ideally, the text should directly relate to the illustration on the adjacent half-frame. Where this is not feasible, illustrations and text shall appear respectively on the left-hand and righthand half-frames only. Any half-frames left blank, to maintain the strict layout structure, shall be marked with either "See Text Above" or "See Illustration Above".

The layout of each half-frame of text shall conform to the following criteria. An example of an IPC text page is given in Figure 11.

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- **Chapter/Sub-Chapter/Sub-Sub-Chapter and Unit Number.**

This shall appear in the bottom right-hand corner. It shall appear in the form of a 2-digit Chapter number, followed by a hyphen followed by a 2-digit Sub-Chapter/Sub-Sub-Chapter number followed by a hyphen followed by a 2-digit Unit Number.

- **Figure/Item number.**

The Figure Number and Variant shall appear on the first line of each half-frame of text, no other details are to appear on the same line. The Figure Number and Variant shall be left-justified. Item numbers and variants shall be right-justified and leading zeros shall be suppressed. The fourth position is reserved for the Variant. If a Variant is not allocated, this position remains blank.

- **Not Illustrated.**

Where an item is listed but not illustrated on the accompanying illustration, this shall be signified by a dash which shall precede the item number and be vertically aligned with the first character of the figure number.

- **Part Number/NATO Stock Number.**

The Part Number field shall accommodate the printing of 18 characters. Part Numbers longer than 18 characters shall be split arbitrarily with the overflow on the second line commencing with the 19th character. NATO Stock Numbers (NSNs) shall be located on the line immediately below the part number and be indented by two spaces from the first digit of the Part Number.

- **Description.**

The description field should contain the Description for Part (DFP) together with the Description for Location (DFL). Additionally, supplementary information which relates to the part and its location should also appear. The layout of the description field is as follows:

- Indentation. The spacing shall be two characters per indent given by the Indenture Code and each indent shall be represented by a single dot.
- Continuation lines of description shall be to the same indent as the first line of the description.
- Item spacing. Words may be divided when passing from one line to the next, however, descriptions shall not be divided when passing from one frame to the next.
- There shall be one blank line between items.
- Attaching parts. Attaching parts shall be distinguished by the replacement of the indentation dots with asterisks.

- The width of the description block shall be 31 characters.

The description block is also used to convey additional information to the IPC user, such as:

- Refer To
- Category 1 Container Location
- Select or Manufacture from Identifier/Range

For detailed information see paragraph 1.4.

Additional information is to appear in the description block at the same indent level as the item to which it refers.

- Model Version and Effectivity

The Model Version (MV) and Effectivity (E) shall appear on the line immediately below the Usable On Code Assembly (UOCA). When an item is common to all the Customer's range of aircraft or engines, in all MVs, then it shall be left blank. If different ranges and/or, MV are applicable then these shall be shown in multiple consecutive lines in this column.

- Other information

The following information is to appear at the position shown in Figure 11.

- Effectivity (an..8)
- Usable On Code Assembly (an 6)
- Interchangeability (an 2)
- Quantity Per Next Higher Assembly (an..4)
- Unit of Issue (a 2)
- Source Maintenance Recoverability (an..6)

#### *1.2.3.3 Division of Illustration and Text Across Microfiche*

Where Chapters extend over more than one microfiche, the break shall be made at the end of a figure. Where a break in the presentation of a Chapter occurs, the chapter contents table shall be repeated at the start of the follow-on micro-fiche. Unused frames shall be left empty.

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### **1.3 Non-Chapterized IPC**

#### **1.3.1 General**

For a Non-Chapterized IPC, the key for the line entries is the last seven characters of the Catalogue Sequence Number, i.e. Figure Number and Variant, Item Number and Variant.

#### **1.3.2 Preliminary Material**

The frame layout for Preliminary Material may be either two half-frames in upright format (option 1) or a single landscape full-frame (option 2) (see paragraph 1.1.5 and Figure 4). The Preliminary Material for a Non-Chapterized IPC comprises of the following:

- IPC Title frame.

The first left-hand half-frame shall contain the Title and Copyright (see Figure 7).

- List of Effective Microfiche.

When the partial updating of microfiche has been agreed, a list of all microfiches in the IPC shall be provided showing the current issue standard (See Figure 8).

- IPC Contents.

A Catalogue Contents Table showing the Figure Number, figure title with the number of the microfiche and frame on which each figure begins (see Figure 9).

- Introduction.

The introduction shall comprise two parts:

- a general introduction
- a specific introduction.

The general introduction shall be prepared in such a way that it is common to all IPCs in a series. It shall contain a statement on the purpose of the catalogue and an explanation of how to use the catalogue, as well as an explanation of the meaning and coding of data presented within the catalogue.

The specific introduction shall contain:

- Abbreviations used
- Explanation of Usable On Codes
- List of incorporated modifications
- An illustration of major assemblies together with maximum weights and dimensions.

IPC Introductions are to be produced in conjunction with the Customer.

#### **1.3.3 Main Body**

The Main Body of the IPC will contain the illustrations and text organized into figures. The first figure shall follow the Preliminary Material and start on the same microfiche.

### 1.3.3.1 Illustrations and Text Layout

The illustration and text layout for a Non-Chapterized IPC follow the same conventions as for the Chapterized IPC, with the following exceptions:

- Chapter/Sub-Chapter/Sub-Sub-Chapter and Unit Number. This is not applicable and positions are to be left blank.
- Usable On Code Equipment. The Usable On Code Equipment appears in lieu of Effectivity.

An example of a Non-Chapterized IPC text page is shown in Figure 12.

### 1.3.3.2 Division of Illustration and Text Across Microfiche

Where the illustrations and text extend over more than one microfiche, the break shall be made at the end of a figure. The Catalogue Contents Table shall be repeated at the start of the follow-on microfiche.

## 1.4 Conversion of Coded Data into Text for IPC

1.4.1 Throughout the Compilation Instructions there are certain data conditions which call for the inclusion of specific phrases in the DFP or DFL, e.g. "Repair Part" or "Programmed PROM". Because these are held in their respective description field, when the IPC is produced they will automatically be presented and therefore they need no further consideration for processing.

1.4.2 In the construction of the description block the contents of the DFP should appear first, followed by the contents of the DFL, followed by supplementary information. DFL and supplementary information are given in brackets. Different types of information within the brackets are separated by oblique strokes (/). There are no brackets between DFL and supplementary information. The supplementary information is to be presented in the description block in the same sequence as subparagraphs 1.4.3.1 to 1.4.3.10.

1.4.3 The supplementary information is derived by processing the codes of various data elements as below. Where a data element is in bold type, e.g. "**CICL**", "**RT**", this indicates that the literal contents of this data field are to be used.

#### 1.4.3.1 Change Authority Number (CAN)

When filled add "Mod **CAN**" to the description block of the new item.

The Customer and Contractor have to decide which types of CAN are presented in this manner.

#### 1.4.3.2 Integrated Logistic Support Number (ILSN)

When filled add "**ILSN**" to the description block.

#### 1.4.3.3 Attaching, Storage or Shipping Part (ASSP)

Code "1" - Replace indenture dots with ".".

Code "2" - Add "Storage Part" to description block.

Code "3" - Add "Shipping Part" to description block.



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### 1.4.3.4 Calibration Marker (CM)

Code "1" - Add "Calibration required" to description block.

### 1.4.3.5 Category 1 Container Location (CICL)

When filled, add "Container see **CICL**" to description block, however, omit the ISN data from **CICL**.

### 1.4.3.6 Fitment Code (FC)

Print the following in the description block, if

- FC of "1" print "Minor Fitting required"
- FC of "M" print "Major Fitting required".

### 1.4.3.7 Refer To (RT)

When the contents of RT do not begin with "IPPN", add "Refer to **RT**", without ISN, in the description block. When the contents of the RT do begin with "IPPN", add to the description block "Refer to "PUB NO"", where "PUB NO" is the national publication reference of the IPPN quoted.

### 1.4.3.8 Select or Manufacture from Range (SMFR)

When this data element is filled, then the SMFI must also be filled. The supplementary information is dependent upon what is contained in the SMFI. Print the following in the description block, if

- SMFI of "T" print "Select on Test from **SMFR**"
- SMFI of "M" print "Manufacture from **SMFR**"
- SMFI of "R" print "Rework from **SMFR**"
- SMFI of "P" print "Repair from **SMFR**"

### 1.4.3.9 Select or Manufacture from Identifier (SMFI)

When SMFI of "F", add to description block "Select on Fit".

When SMFI of "T", and SMFR is blank add to description block, "Select on Test". For other SMFI-codes see text above.

### 1.4.3.10 Unit of Measure (UM) and Quantity Per United of Issue (QPUI)

Add to the description block "Supplied in **QPUI, UM**".

1.4.4 The following data elements also require special processing and should be presented in the IPC to the instructions given below.

#### 1.4.4.1 Indenture (I)

Step the description block according to Indenture number.

#### 1.4.4.2 Reference Designators (RD)

Print RDs in IPC-CR only, in accordance with paragraph 1.6 below.

## 1.5 IPC Illustrations

The IPC illustrations are to be prepared in accordance with the rules given in Chapter 1A, Section 1A-5 of this Specification.

## 1.6 IPC Cross Reference Index

All IPCs are to include a single IPC-CR index. This index shall be in alpha-numeric sequence and will use four different data elements as its Search Key. In order to identify the data element which is being used as the Search Key for a particular entry, a Search Key Code should be provided as follows:

<b>Data Element</b>	<b>Search Key Code</b>
Part Number	P
NATO Stock Number	N
Reference Designator	R
Integrated Logistic Support Number	I

An example of the layout and data content of this IPC-CR is given in Figure 13. It should be noted that the data element being used as the Search Key, and provided in the second column of the IPC-CR, is not repeated in its own data element column. However, this is not the case when a Part Number of more than 20 characters is being used as the Search Key; in this instance the full Part Number is to be shown in the Part Number column. Additionally, because the ILSN does not have its own data element column it would appear only in the search key field.

When the IP data contains a range of Reference Designators held against a single record, this record must be repeated so as to reflect a separate entry in the IPC-CR, for each of the Reference Designators in the range. These entries should also be repeated, as appropriate, using the Part Number and NSN as the Search Key. The location referred to in each case could be that of the single record.

## 2. PRINTED IPC

### 2.1 General

Printed IPCs and IPCs in microfiche form are identical regarding the information content. This paragraph contains only instructions peculiar to printed IPCs. Where instructions apply for the printed IPC as well as for the microfiche IPC, they are listed only under paragraph 1.

### 2.2 Printed IPC Layout

#### 2.2.1 IPC Format

The IPC-IT (Preliminary Material and Main Body) shall be prepared in upright format (DIN A4), the IPC-CR in broadside format. Examples of right-hand pages are given in Figures 15 and 16. Left-hand pages have the wide margin on the right.

If the volume of an IPC is likely to exceed 70 mm in thickness, the complete issue may be divided into several volumes. In the assessment of the thickness, allowance should be made for anticipated subsequent additions by amendment. Each volume shall be provided with a List of Effective Pages and a complete Catalogue Contents Table. The individual volumes shall be divided at a logical break.

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### **2.2.2 IPC Pagination**

The various parts of the IPC are:

- List of Effective Pages
- Catalogue Contents Table
- Introduction
- Chapter Contents Table (for Chapterized IPC only)
- Each Figure
- Cross-Reference Index

They are numbered separately; each Part or Figure beginning with Page 1.

Each page shall be identified with:

- Part Title or Chapter Number
- Figure Number (only for Main Body)
- Page Number
- Issue Date (month and year in figures).

The above mentioned information shall be arranged in accordance with the samples given in Figures 14, 15 and 16.

### **2.2.3 Title Page**

The title page is laid out as per Figure 17.

### **2.2.4 Printed IPC Updates**

Printed IPCs may be updated by the re-issue of part or the whole of an IPC. With each revision, a new List of Effective Pages is to be produced (see Figure 18).

## **2.3 Chapterized IPC**

### **2.3.1 Preliminary Material**

The Preliminary Material for a chapterized IPC comprises of the following:

- IPC Title Page (see Figure 17)
- List of Effective Pages (see Figure 18)
- Catalogue Contents Table (see Figure 19)
- Introduction (see paragraph 1.2.2)

### **2.3.2 Main Body**

See paragraph 1.2.3

#### *2.3.2.1 Chapter Contents Table*

An example of a Chapter Contents Table is given in Figure 20.

#### *2.3.2.2 Illustrations and Text Layout*

For any Figure, illustrations shall always start on a left-hand page (see Figure 14) and text on the right-hand page (see Figure 15). Where either illustrations or text outnumber the other, the additional illustrations or text shall continue on both left-hand and right-hand pages. Pages which are left blank to maintain the layout are to be annotated "Intentionally left blank".

### **2.4 Non-Chapterized IPC**

#### **2.4.1 Preliminary Material**

The Preliminary Material for a Non-Chapterized IPC comprises the following:

- IPC Title Page (see Figure 17)
- List of Effective Pages (see Figure 18)
- Catalogue Contents Table (see Figure 19)
- Introduction (see paragraph 1.3.2)

#### **2.4.2 Main Body**

See paragraph 1.3.3.

#### **2.4.3 Illustrations and Text Layout**

The illustration and text layout for a Non-Chapterized IPC follow the same conventions as for the Chapterized IPC (see paragraph 2.3.2.2).

### **2.5 IPC Cross Reference Index**

The IPC-CR shall be prepared in accordance with the rules given in paragraph 1.6. The layout of an IPC-CR in printed form is given in Figure 16.

### **2.6 Printing and Binding**

Printing and binding shall be in accordance with national practice and agreed prior to the production of the IPC.

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### 3. LIST OF FIGURES

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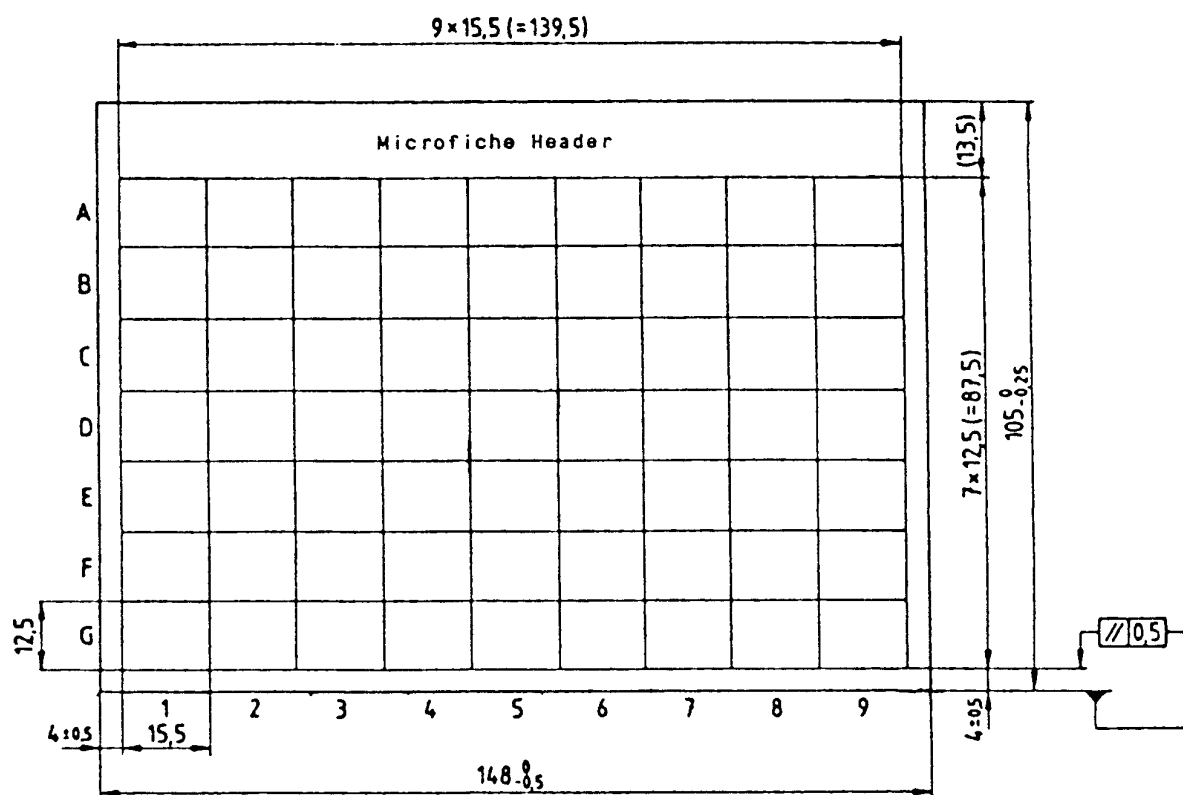
**MICROFICHE FORMAT**

Frames	Lines	Columns	According	Effective Reduction	Dimensions for Microfiche	Dimensions for Production
63 (12,5x15,5) broadside format	7	9	ISO5126-1980 DIN 19054	1 : 24	148 x 105 +0,0 +0,0 -0,5 -0,25	279,4 x 355,6

Dimensions in mm

FIGURE 1 MICROFICHE FORMAT

DIN 19 054



- Dimensions in mm

FIGURE 2 LINE AND COLUMN NUMBERING



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[illegible]

- CHAPTERIZED IPC

PUBLICATION REFERENCE	SECURITY CLASSIFICAT.	FROM : 11-20-00	FIG. 1
*IPC-IT* SUBJECT DESCRIPTION		08/87	1/140
SAMPLE HEADING IPC-IT (1st MICROFICHE)			

PUBLICATION REFERENCE	SECURITY CLASSIFICAT.	FROM : 32-20-00	FIG. 1
*IPC-IT*	SUBJECT DESCRIPTION	08/87	19
SAMPLE HEADING IPC-IT (SUBSEQUENT MICROFICHE)			

- NON-CHAPTERIZED IPC

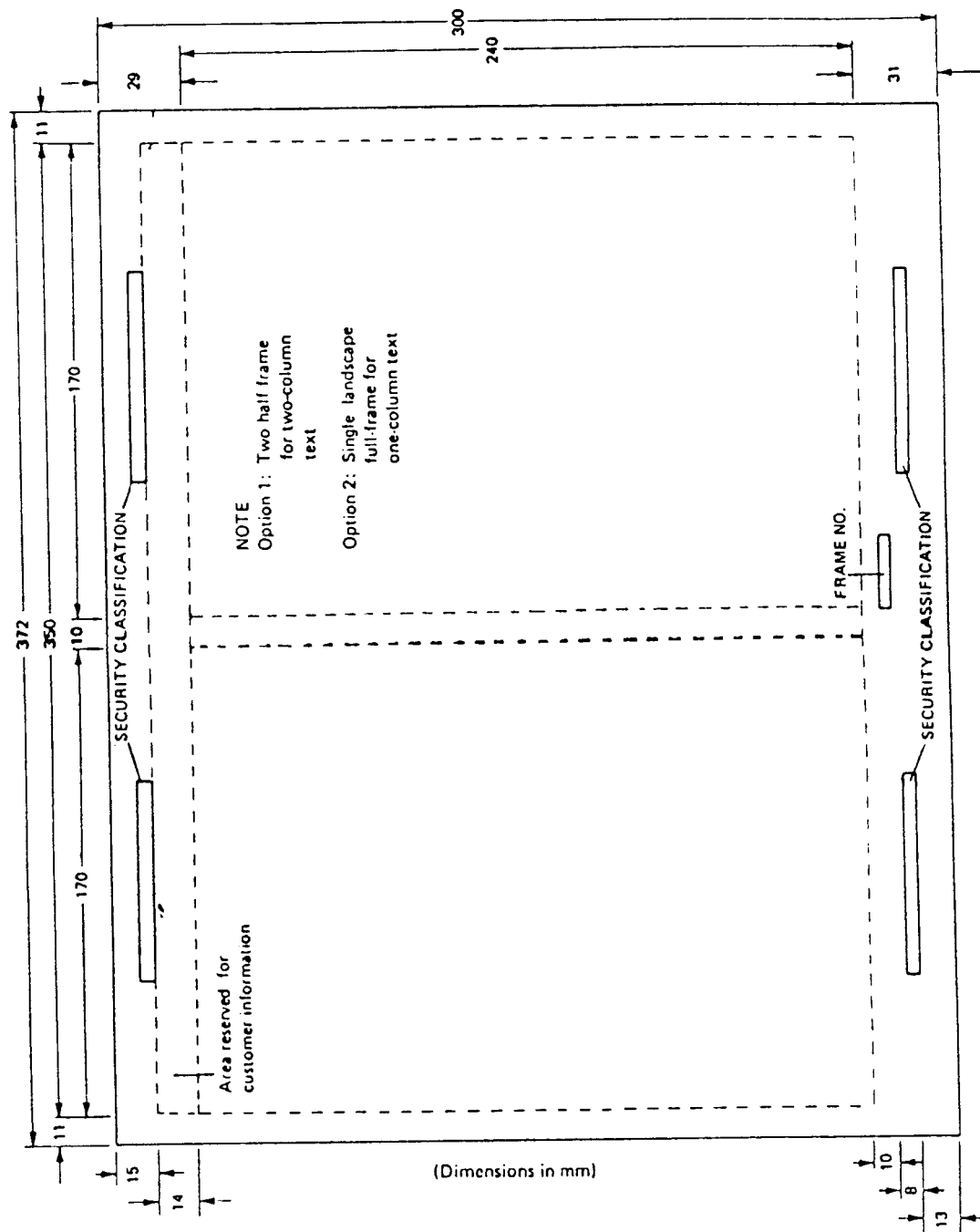
PUBLICATION REFERENCE	SECURITY CLASSIFICAT.	FROM : FIG.	1
*IPC-IT* SUBJECT DESCRIPTION		08/87	1/12
SAMPLE HEADING IPC-IT (1st MICROFICHE)			

PUBLICATION REFERENCE	SECURITY CLASSIFICAT.	FROM : FIG. 17
*IPC-IT* SUBJECT DESCRIPTION	08/87	2
SAMPLE HEADING IPC-IT (SUBSEQUENT MICROFICHE)		

- CHAPTERIZED AND NON-CHAPTERIZED IPC

PUBLICATION REFERENCE	SECURITY CLASSIFICAT.	FROM : 1560-12-184-7604
*IPC-CR*	SUBJECT DESCRIPTION	08/87 11
SAMPLE HEADING IPC-CR (SUBSEQUENT MICROFICHE)		

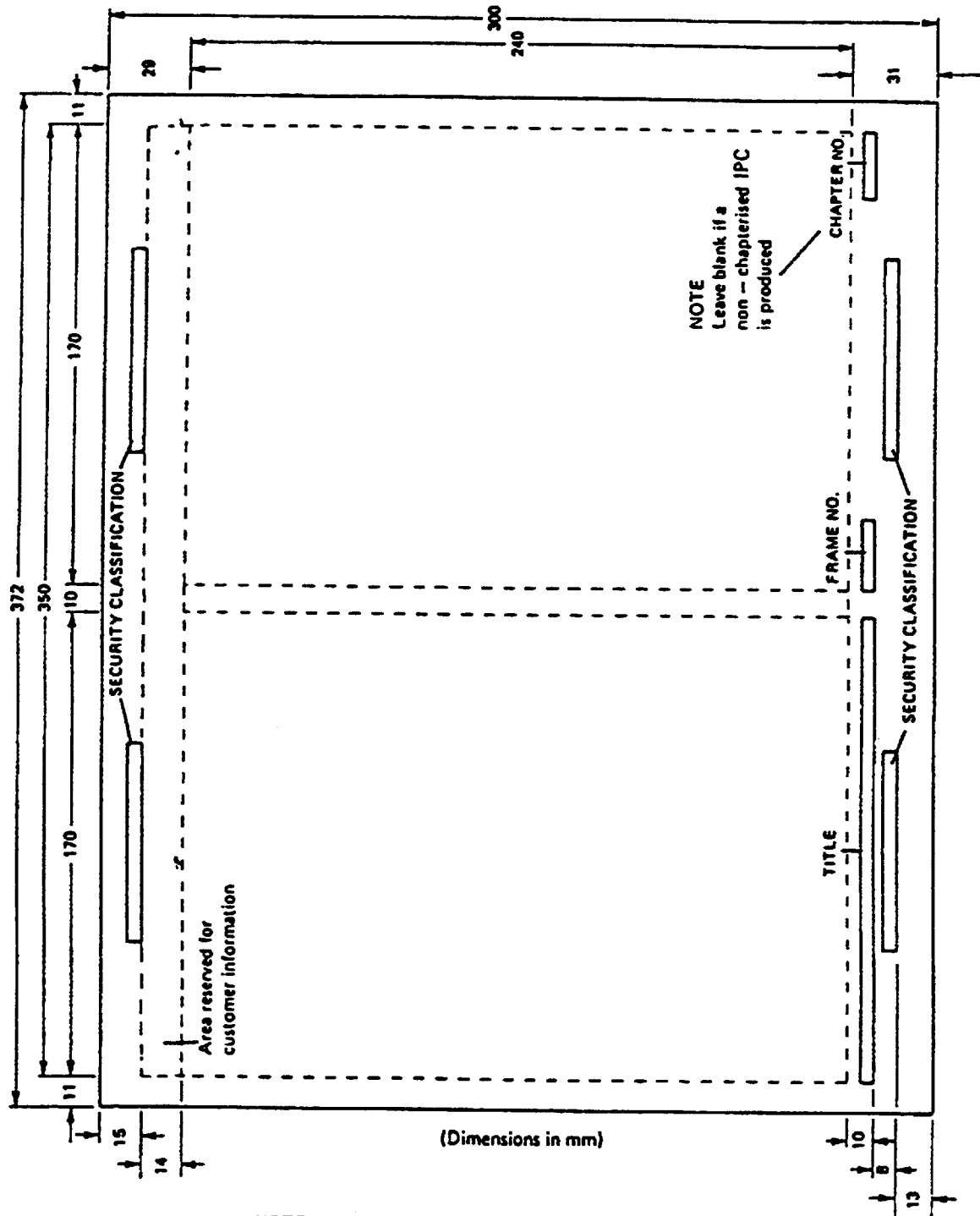
### FIGURE 3 MICROFICHE HEADER LAYOUT



NOTE

LAYOUT based on microfiche frame size to DIN19054A 6-7-9  
magnification x 24

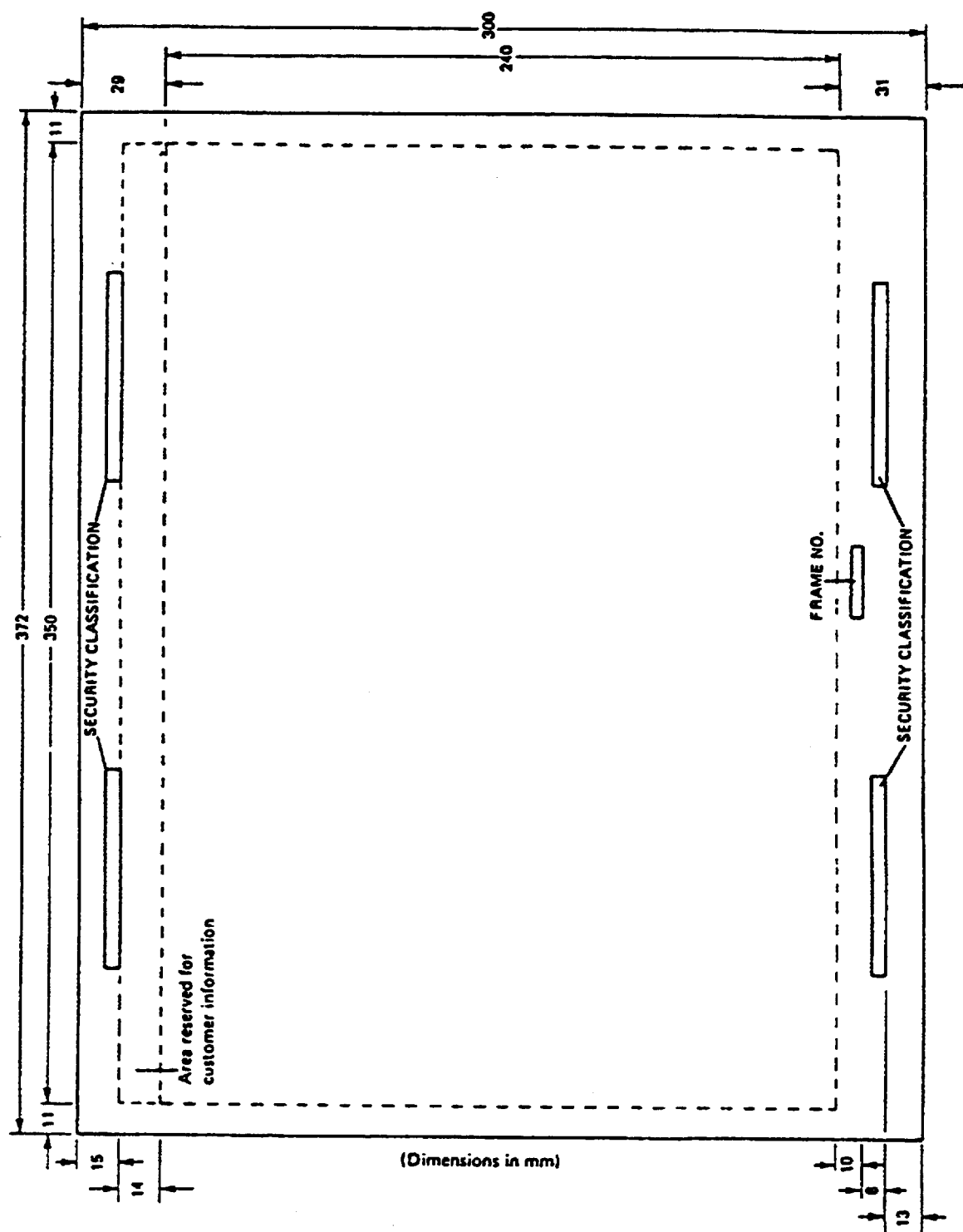
FIGURE 4 FRAME ARRANGEMENT FOR MICROFICHE PRELIMINARY MATERIAL  
(OPTION 1 AND OPTION 2)



NOTE:

LAYOUT based on microfiche frame size to DIN19054A 6-7-9  
magnification x24

FIGURE 5 FRAME ARRANGEMENT FOR MICROFICHE ILLUSTRATION/TEXT LAYOUT



NOTE

LAYOUT based on microfiche frame size to DIN19054A6-7-9  
magnification x24

FIGURE 6 FRAME ARRANGEMENT FOR MICROFICHE CROSS REFERENCE INDEX  
LAYOUT

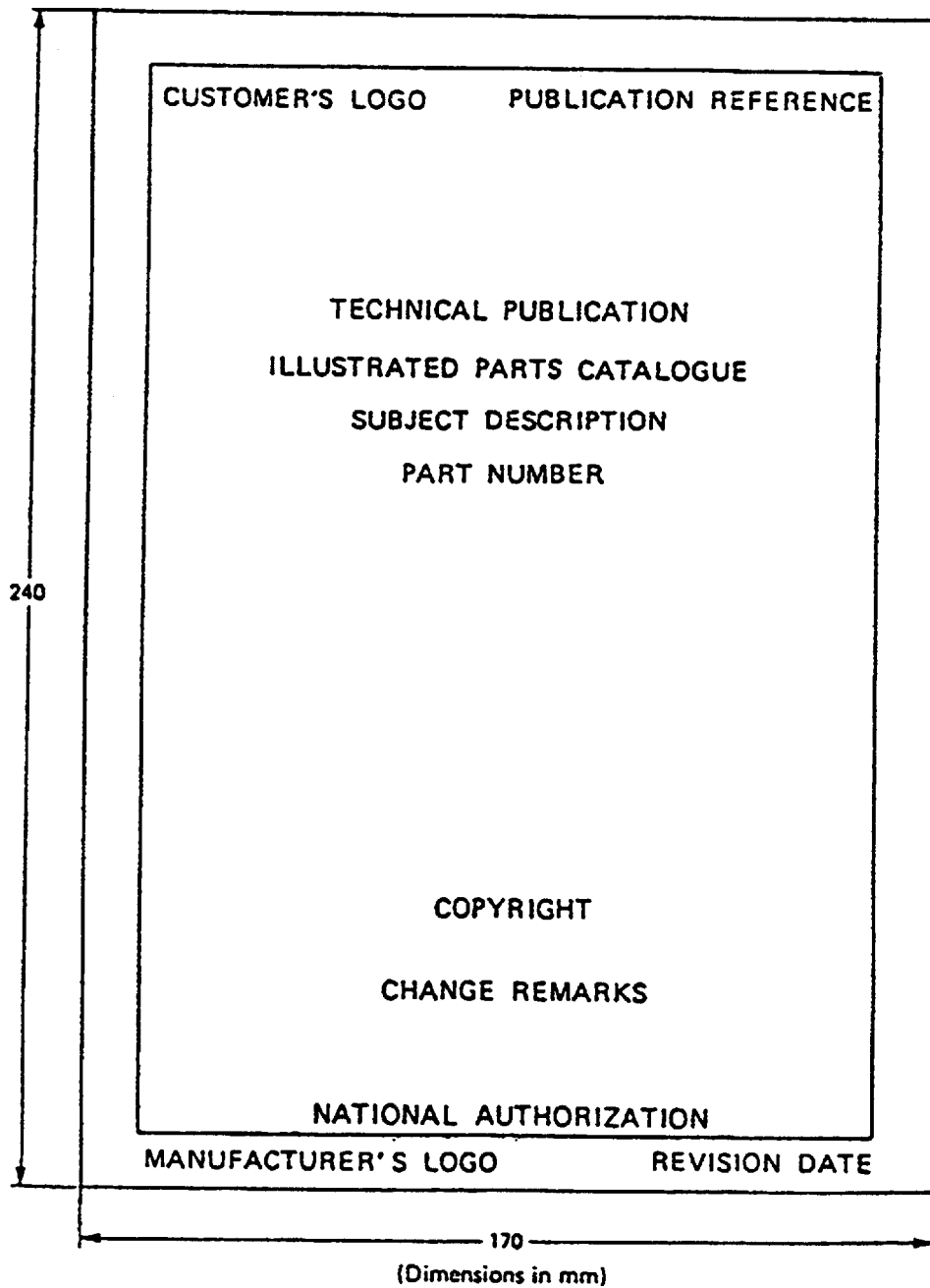


FIGURE 7 IPC TITLE

# LIST OF EFFECTIVE MICROFICHE

THE NUMBERS AND DATES OF THE MICROFICHE FOR THIS  
PUBLICATION SHOULD AGREE WITH THE LIST BELOW

REVISION DATE: MM/YY

FICHE NUMBER	DATE	FICHE NUMBER	DATE	FICHE NUMBER	DATE	FICHE NUMBER	DATE
XXX	XX/XX	XXX	XX/XX	XXX	XX/XX	XXX	XX/XX
XXX	XX/XX	XXX	XX/XX	XXX	XX/XX		
019	03/87	XXX	XX/XX	XXX	XX/XX		
		XXX	XX/XX	XXX	XX/XX		
		XXX	XX/XX	XXX	XX/XX		
V	V	XXX	XX/XX	XXX	XX/XX		
025	03/87	XXX	XX/XX	XXX	XX/XX		
		XXX	XX/XX	XXX	XX/XX		
		XXX	XX/XX	XXX	XX/XX		
V	V	XXX	XX/XX	XXX	XX/XX		

FIGURE 8 SAMPLE - LIST OF EFFECTIVE MICROFICHE

CATALOGUE CONTENTS TABLE											
1	2	3	4	5	6	7	8	9	10	11	12
CHAPTER	TITLE	IFICHE NUMBER	CHAPTER	TITLE	IFICHE NUMBER	IFICHE NUMBER	TITLE	IFICHE NUMBER	IFICHE NUMBER	IFICHE NUMBER	IFICHE NUMBER
11	PLACARDS AND MARKINGS	001									
21	AIR CONDITIONING	002									
V		V									
32	LANDING GEAR	018									
V		V									
V		V									

FOR CHAPTERIZED IPC

CATALOGUE CONTENTS TABLE											
1	2	3	4	5	6	7	8	9	10	11	12
FIG	TITLE	IFICHE/ NUMBER	FIG	TITLE	IFICHE/ NUMBER	IFICHE/ NUMBER	TITLE	IFICHE/ NUMBER	IFICHE/ NUMBER	IFICHE/ NUMBER	IFICHE/ NUMBER
01	PYLON OUTBOARD	001 - B3									
02	LEADING EDGE ASSY	001 - 03									
V		V									
19	ELECTRICAL EQUIPMENT	002 - C1									
V		V									
V		V									

FOR NON-CHAPTERIZED IPC

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1 2 3 4 5 6 7 8							
123456789012345678901234567890123456789012345678901234567890							
XXX XXXXX XXX XXXX-XX-XX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXX XX XXXX XXXXX XXXXXXXXXX XX			
FIG	I				C QNHA		
ITEM	NSM				MVEFFECT		
	1 2 3 4 5 6 7 8 9				Y UI		
1	0 A11B400000				WHEELS AND BRAKES (REFER TO 3 2-00-00 FIG. 1 ITEM 15)		
	1 A20201-43 1630-14-338-8828				RIM, NLG (REFER TO 'PUBLICA TION REFERENCE NO.')		
	2 A20249-1641 1630-14-338-8828				RIM, NLG (REFER TO 'PUBLICA TION REFERENCE NO.')		
	3 380x150-4-6PRTUBEL ESS 2620-12-174-2071				TYRE		
	5 A21249-1623 1630-12-083-0530				DISC BRAKE ASSY (REFER TO PUBLICATION REFERENCE NO.)		
	6 A21520 6680-14-347-0240				TACHO GENERATOR		
	6 A21521 6680-14-347-0241				TACHO GENERATOR		
	9 00-200-Y021 6680-14-350-0122				GENERATOR		
	9 00-200-1022 6680-14-350-1028				GENERATOR		
	10 ST12117-1 5935-14-370-4913				CONNECTOR		
	11 A32724 1560-12-182-1588				BRACKET		
	11 A32729 1560-12-082-6366				BRACKET		
	V				V		
63					32-40-00		

FIGURE 11 SAMPLE - CHAPTERIZED IPC TEXT LAYOUT

**B3**

**FIGURE 12 SAMPLE - NON-CHAPTERIZED IPC TEXT LAYOUT**

1	2	3	4	5	6	7	8	9	10	11	12	13		
123456789012345678901234567890123456789012345678901234567890123456789012	1	2	3	4	5	6	7	8	9	10	11	12	13	
SI	SEARCH KEY	PART NUMBER	INSCM.	NSN....	REFDES.	IUI	QNH	SNR...	I	C	CHAPTER	FIG-ITEM	FICHE NUMBER	IPC-IT
CI														
R1	+H5	960-75927	D8518					0001	XC		21-20-00	01 -012	3-F3	
R1	+R1	960-78458	D8518					0001	XC		24-12-36	01 -036	6-C5	
R1	+13	960-78458	D8518					0001	XC		36-10-00	02 -003	44-B1	
R1	+XF2	960-78923	F6198	5995-14-278-3448			EA	0001	PAOZZ		36-10-20	04A-010	44-D8	
P1	AZA000-001		D1081					0001	XC		11-20-00	01 -075	1-D6	
P1	AB22000-001		D1081					0001	XC		32-10-00	01 -010	19-G1	
P1	AB22000-001		D1081					REF	XC		32-10-00	02 -001	19-G4	
P1	22220001-001		D1081	8120-12-126-4112			EA	0010	PAOZZ		53-10-00	04 -018	65-A9	
P1	1322 3-355/C7-244-A5	1322 3-355/C7-244-A5601-001	D1081	1680-12-909-9595			EA	0012	PAOFF	1-	24-10-05	03 -025	4-B1	
P1	1322 3-355/C7-244-A5	1322 3-355/C7-244-A5601-002	D1081	1680-12-909-9597			EA	0012	PAOFF	2-	24-10-05	03 -025	4-B1	
P1	1322 3-355/C7-244-A5	1322 3-355/C7-244-A5601-003	D1081	1560-12-405-1515			EA	0012	PAOFF		24-10-06	01 -012	5-C7	
N1	1680-12-405-1515	1322 3-355/C7-244-A5601-003	D1081				EA	0012	PAOFF		24-10-06	01 -012	5-C7	
N1	1680-12-909-9595	1322 3-355/C7-244-A5601-001	D1081				EA	0012	PAOFF	1-	24-10-05	03 -035	4-B1	
N1	1680-12-909-9597	1322 3-355/C7-244-A5601-002	D1081				EA	0012	PAOFF	2-	24-10-05	03 -025	4-B1	
P1	22201BC050015LE		F0111	5306-14-369-8009			EA	0012	PAOZZ		24-10-05	04 -033	4-D3	
P1	SRH8035M		F0224	5310-14-325-0111			EA	0003	PAOZZ		32-30-00	03 -015	20-B2	
N1	3306-14-369-8009	22201BC050015LE	F0111				EA	0012	PAOZZ		24-10-05	04 -033	4-D3	
N1	3310-14-325-0111	5RH8035M	F0224				EA	0003	PAOZZ		32-30-00	03 -015	20-B2	
N1	5935-14-325-7565	8-51-07R10-6850	F0225		7AA81		EA	0001	PAFFF		32-60-00	02 -012	21-C2	
N1	5935-14-325-7565	8-51-07R10-6850	F0225		9C2-A		EA	0001	PAFFF		32-60-00	02 -012	21-C2	
N1	5995-14-278-3448	160-78923	F6198		+XF2		EA	0001	PAOZZ		36-10-20	04A-010	44-D8	
R1	7AA81		F0225	5935-14-325-7565			EA	0001	PAFFF		32-60-00	02 -012	21-C2	
P1	8-51-07R10-6850	8-51-07R10-6850	F0225	5935-14-325-7565	7AA81		EA	0001	PAFFF		32-60-00	02 -012	21-C2	
P1	8-51-07R10-6850		F0225	5935-14-325-7565	9C2-A		EA	0001	PAFFF		32-60-00	02 -012	21-C2	

FIGURE 13 SAMPLE - IPC-CROSS REFERENCE LAYOUT

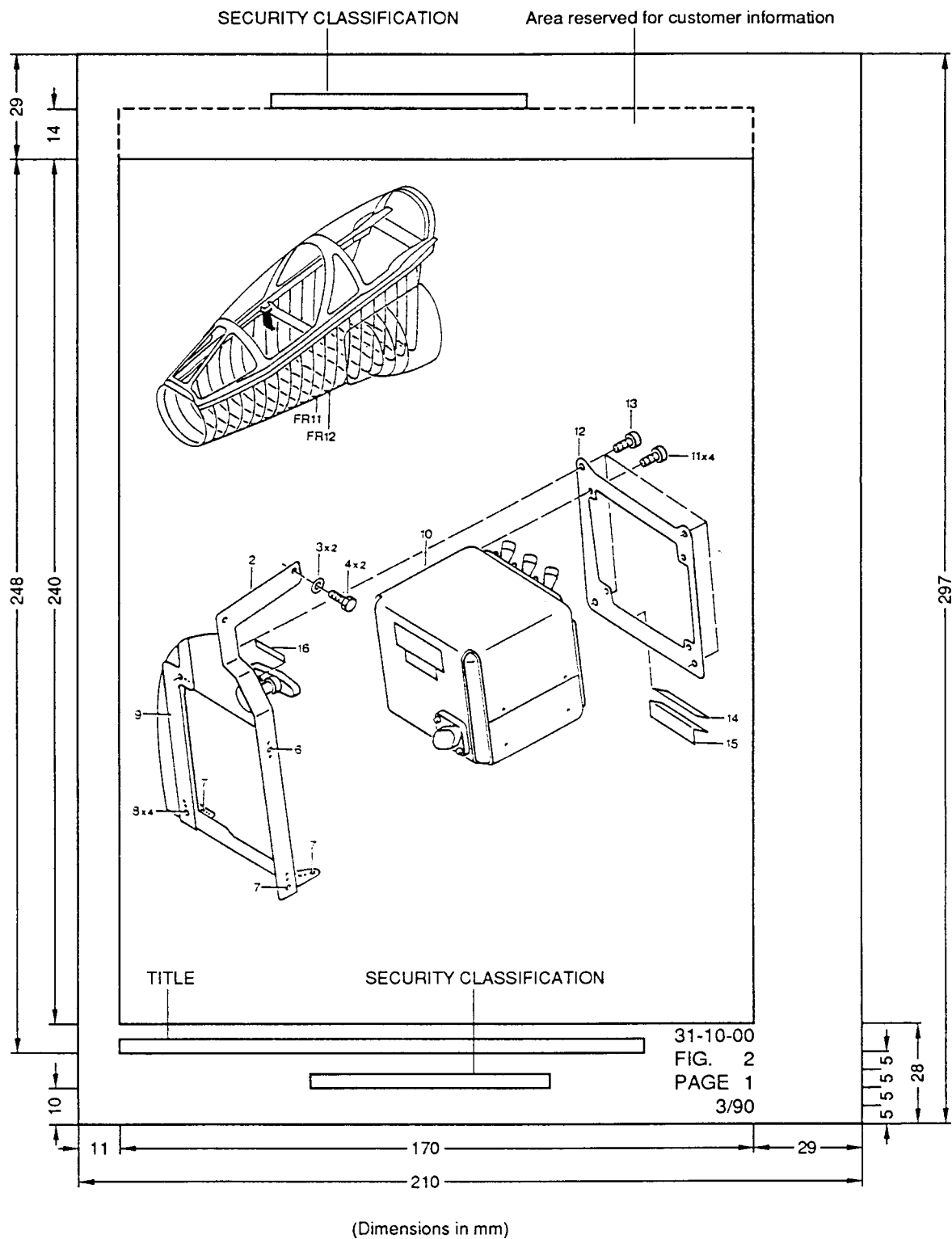


FIGURE 14 SAMPLE - IPC -.IT FORMAT AND NUMBERING (PRINTED ISSUE)

Area reserved for customer information

SECURITY CLASSIFICATION

FIG ITER	PART NUMBER ..... NSN ..... 1 2 3 4 5 6 7 8 9	DESCRIPTION	**UOCA... NVEFFECT..		I C Y	Q NNA UI	SNR...
1	0 A11B400000	WHEELS AND BRAKES (REFER TO 3 2-00-00 FIG. 1 ITEM 15)				REF	XA
1	A20201-43 1630-14-338-8828	RIN, RLG (REFER TO 'PUBLICA TION REFERENCE NO.')				1	PA000
2	A20249-1661 1630-14-338-8828	RIN, RLG (REFER TO 'PUBLICA TION REFERENCE NO.')				EA	2 PA000
3	380x150-4-4PRUBEL ESB 2620-12-174-2071	TYRE ↓				1	PA022
5	A21249-1623 1630-12-083-0530	DISC BRAKE ASSY (REFER TO PUBLICATION REFERENCE NO.)				EA	2 PA000
6	A21520 6680-14-347-0240	TACHO GENERATOR	**A			EA	3 PA0FF
6	A21521 6680-14-347-0241	TACHO GENERATOR	**B			EA	3 PA0FF
9	00-200-1021 6680-14-350-0122	GENERATOR ⊗	**A			EA	1 PA022
9	00-200-1022 6680-14-350-1028	GENERATOR	**B			EA	1 PA022
10	0T12117-1 5933-14-370-4913	CONNECTOR				EA	1 PA022
11	A32726 1560-12-162-1588	BRACKET	**A			EA	1 PA022
11	A32729 1560-12-082-4346	BRACKET ⊗	**B			EA	1 PA022

32-10-00  
FIG. 1  
PAGE 12  
10/87

SECURITY CLASSIFICATION

(Dimensions in mm)

FIGURE 15 SAMPLE - IPC-IT FORMAT AND NUMBERING (PRINTED ISSUE)

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May 1992

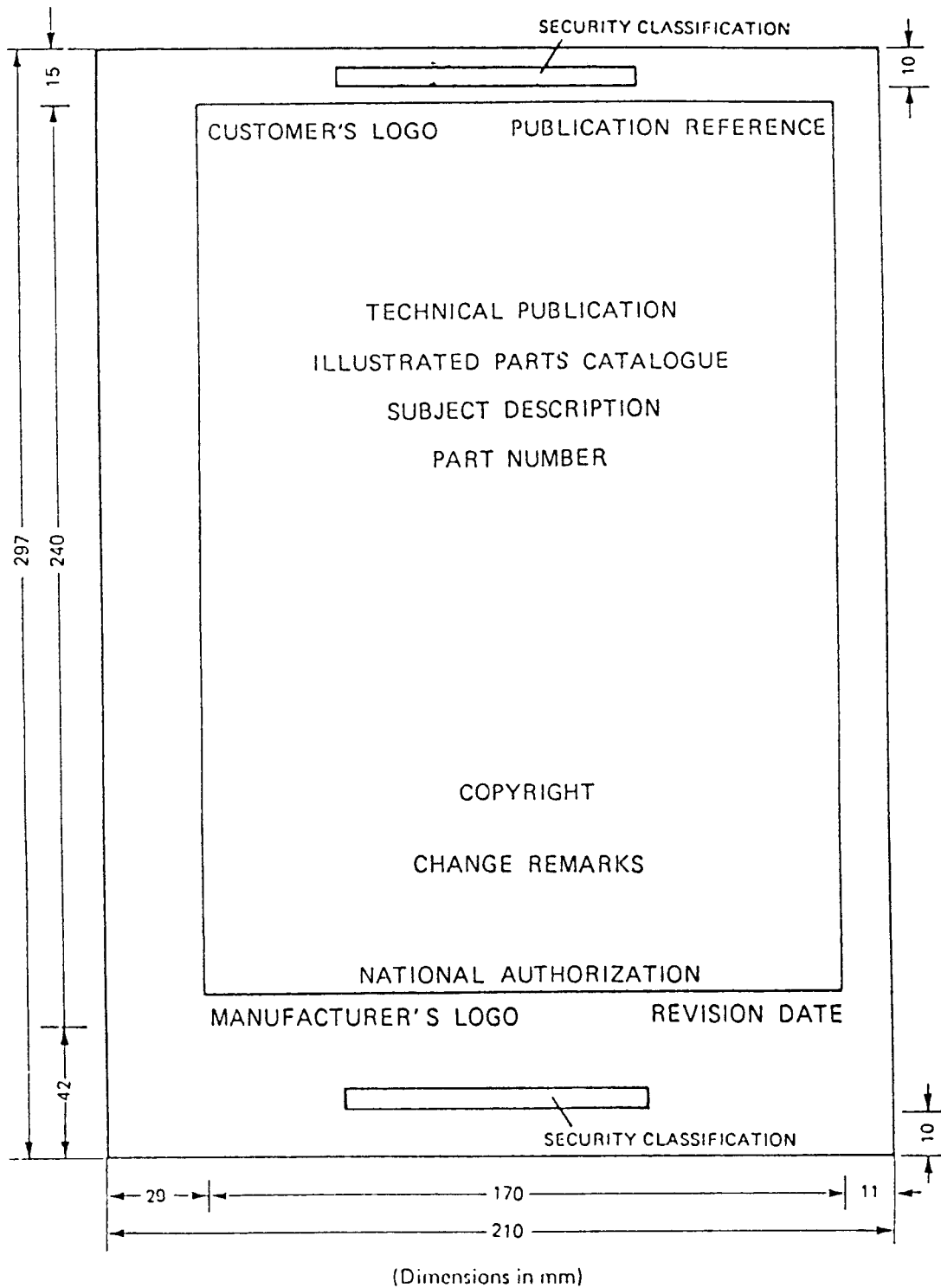


FIGURE 17 IPC TITLE PAGE (PRINTED ISSUE)

## LIST OF EFFECTIVE PAGES

TITLE/CHAPTER	FIG	PAGE	DATE	TITLE/CHAPTER	FIG	PAGE	DATE
EFFECTIVE PAGES		1	03/87				
INTRODUCTION		1	07/86				
↓		2	↓				
↓		↓	↓				
INTRODUCTION		20	07/86				
CAT. CONT. TABLE		1	10/85				
CHAPT. CONT. TABLE		1	07/86				
11-20-00	1	1	10/85				
11-20-00	1	2	10/85				
11-30-00	1	1	10/85				
11-30-00	1	2	10/85				
EFFECTIVE PAGES		1	03/87				
CHAPT. CONT. TABLE		1	03/87				
21-20-00	1	1	10/85				
21-20-00	1	2	07/86				
21-20-00	2	1	03/87				
XXXXXXXXXXXXXXXXXXXX	xxx	xxxxx	xx/xx				

**FIGURE 18 SAMPLE - LIST OF EFFECTIVE PAGES (PRINTED ISSUE)**



CATALOGUE CONTENTS TABLE

CHAPTER	FIG	TITLE	PAGE
		TITLE	
		INTRODUCTION	1
11-20-00	1	EXTERIOR PLACARDS	1
11-30-00	1	INTERIOR PLACARDS	2
21-20-00	1	BLEED AIR TUBES IN WING CENTRE	5
21-20-00	2	BLEED AIR TUBES IN ENGINE COMPARTMENT	1
21-20-00	3	MOUNTING BLEED AIR TUBES	3
	V	V	
53-20-00	1	STRUCTURE INSTALLATION CENTRE SECTION	11
	V	V	
95-10-00	1	EJECTION SEAT	3
	V	V	
		CROSS REFERENCE INDEX	1

FOR CHAPTERIZED IPC

FIG	TITLE	PAGE
	TITLE	
	INTRODUCTION	1
1	PYLON OUTBOARD	1
2	LEADING EDGE ASSY	6
	V	
119	ELECTRICAL EQUIPMENT	52
	V	

FOR NON-CHAPTERIZED IPC

FIGURE 19 SAMPLE - CATALOGUE CONTENTS TABLE (PRINTED ISSUE)

CHAPTER CONTENTS TABLE

CHAPTER	FIG	TITLE
32-00-00	1	LANDING GEAR
32-10-00	1	MAIN GEAR AND DOORS
↓	↓	↓
32-50-00	2	STEERING CONTROL SYSTEM
↓	↓	↓
32-60-00	1	POSITION AND WARNING

FIGURE 20 SAMPLE - CHAPTER CONTENTS TABLE (PRINTED ISSUE)

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# The European Association of Aerospace Industries



Association Européenne des Constructeurs de Matériel Aérospatial

Gulledelle 94, B-1200 BRUXELLES, Belgium, Telephone: (32) 2 775.81.10, Facsimile (32) 2 775.81.11

INTERNATIONAL SPECIFICATION  
FOR  
MATERIEL MANAGEMENT

INTEGRATED DATA PROCESSING  
FOR  
MILITARY EQUIPMENT

## **SPECIFICATION 2000M**

**REVISION 2.1, MAY 1992**

## **VOLUME 2**



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INSTRUCTIONS ON THE COMPILATION OF DATA .....	1A - 3
PREPARATION OF INITIAL PROVISIONING LISTS .....	1A - 4
PREPARATION OF ILLUSTRATIONS .....	1A - 5
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SHIPMENT INFORMATION .....	3 - 4
FLOW CHARTS .....	3 - 5
TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES .....	3 - 6

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EXAMPLES .....	5 - 6

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--------------------------	----

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3. MACHINE READABLE CODE (BAR CODING) .....	A3
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## CHAPTER 2 - PROCUREMENT PLANNING

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CUSTOMER PRICE LIST (CPL) .....	2 - 3
STATUS INFORMATION .....	2 - 4
FLOW CHARTS .....	2 - 5
TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES .....	2 - 6
EXAMPLES .....	2 - 7



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**SECTION 2-1**  
**PROCUREMENT PLANNING - GENERAL**  
**CONTENTS**

	Page
<b>1. PURPOSE .....</b>	<b>3</b>
<b>2. PRINCIPLES .....</b>	<b>3</b>
2.1 Request for Quotation (RFQ) .....	3
2.2 Quotation .....	4
2.3 Customer Price List (CPL) .....	4
2.4 Messages .....	4
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2.7 Structuring of Messages .....	5
2.8 Acknowledgement of Messages .....	5
2.9 Pricing of Composite Currencies .....	5

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## **PROCUREMENT PLANNING - GENERAL**

### **1. PURPOSE**

1.1 Chapters 2, 3, 4 in this Specification describe the procedures and techniques for on-line orientated operation of Procurement Planning, Order Administration and Invoicing.

- Procurement Planning (this Chapter) establishes a method of requesting quotations, issuing formal quotations and Customer Price Lists;
- Order Administration (Chapter 3) enables orders to be placed and progressed, for both Initial Provisioning and Follow-on Support including Repair and Overhaul (R+O);
- Invoicing (Chapter 4) provides the facilities for generating and progressing invoices.

1.2 The Procurement Planning procedure outlined in this chapter covers the following two business practices:

- a) the on-line ADP procedures for a potential Customer issuing a Request for Quotation (RFQ) against a potential Contractor and the response of the Contractor to this request.
- b) the request for establishing/updating a Customer Price List (CPL), the submission of CPL data against this request as well as the approval of CPL data by a Customer.

It should be clearly understood that the procedures contained in this chapter do not attempt to embody contractual negotiations that precede the business of RFQs/Quotations and CPLs.

1.3 For ease of understanding, the Procurement Planning procedure is presented as follows:

- |  |               |
|--|---------------|
| - Request for Quotation (RFQ)/Quotation            | Section 2 - 2 |
| - Customer Price List (CPL)                        | Section 2 - 3 |
| - Status Information                               | Section 2 - 4 |
| - Flow Charts                                      | Section 2 - 5 |
| - Transactions/Command Codes/Data Element Matrices | Section 2 - 6 |
| - Examples   | Section 2 - 7 |

### **2. PRINCIPLES**

#### **2.1 Request for Quotation (RFQ)**

A uniquely identified Request for Quotation (RFQ) and its subsequent responses will be related to one Part Number/NSN only, i.e. the requirement for RFQs for multiple Part Numbers/NSNs would necessitate the generation of a corresponding number of RFQ transactions.

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### **2.2 Quotation**

If the terms and conditions referred to in a quotation transaction are sought by the Customer in his subsequent order placement transaction (see Chapter 3, transaction SA1) it is essential that the Quotation Number is stated within the order placement transaction (SA1). The validation of the quotation terms and conditions will be undertaken by the Contractor in his processing and response to this SA1 transaction.

### **2.3 Customer Price List (CPL)**

Customer Price List is a generic term used to cover the following types:

APL - Annual Price List, used for Military Customers for which there is an agreed format and procedure already well established by Contractors.

Catalogue - used by Civil or Military Contractors for commercial (non-home government) Customers.

And other types of agreed lists of prices.

Additions or addenda to a Customer Price List must by inference comply to the original terms and conditions of the initial list. Price requests outside the range of the CPL procedure must be submitted via a Request for Quotation (RFQ). All Customer Price Lists are to remain valid for the duration as specified in the Main Contract. Acceptance of the whole CPL can be given with nominated exceptions.

### **2.4 Messages**

The methods of requesting quotations, issuing formal quotations and Customer Price Lists normally imply the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, known as "transactions". They are detailed in Section 2-6.

### **2.5 Command Codes**

Individual transactions are clearly identified by means of Command Codes. The Command Codes prescribe the format of the message structure to follow and any supporting logic. Furthermore where subsequent action is required by the recipient this can easily be understood from the contents of each transaction.

The Command Codes and their interrelationship with transactions can be found in Section 2-6.

### **2.6 Data Units**

Individual Data Units are defined in the Data Dictionary. Guidance on the applicability of Data Units to particular transactions will be found in Section 2-6. Each transaction consists of a string of Data Units which may be either mandatory, conditional or optional depending upon the purpose for which the transaction has been designed. When a conditional Data Unit is appropriate and available to a specific transaction, then it should be transmitted.

## **2.7 Structuring of Messages**

There is a need for the Data Units in each transaction to be specially structured. Details can be found in Section 2-6.

## **2.8 Acknowledgement of Messages**

Messages (transactions) exchanged in commercial business generally require an acknowledgement (confirmation) of receipt. For the exchange of data and information, one or more messages forming an Interchange will be sent.

### **Interchange level**

The Interchange will be acknowledged and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Message level**

At message level an acknowledgement will be generated and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Data Element Level**

At data element level the User's application programs have to cope with any checks in regard to format, value and logical relationship.

The clarification of any errors found can be achieved by use of ERRNLT Message, by exchanging free text information (using the special free text message "FREETX") or by utilising the existing Procurement Planning transactions (see also Appendix 2, Annex F).

### **Error Conditions**

To comply with the rules of minimum data transmission following the receipt of an ERRNLT or CONTRL message, the original Key Data plus relevant CHANGE CODE plus the corrected Segment or Data Unit only need to be transmitted. (see also Appendix 2, Annex F, para. 5.5 for full explanation).

Note - the CHANGE CODE is not always specified in the Message Description Sheets.

Rules for the use of CHANGE CODE can be found in Appendix 2, Section 3, para 4.4.

## **2.9 Pricing by Composite Currencies**

Instances may occur, particularly in multi-national projects, where a UNIT PRICE for a major assembly is not quotable as a single UNIT PRICE. The price for the assembly being a composite of separate additive values in the currencies of its constituent components. In such instances the Composite Data Element - ADDITIVE UNIT PRICE/ CURRENCY CODE will be used.

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**SECTION 2-2**

**REQUEST FOR QUOTATION (RFQ)/QUOTATION**

**CONTENTS**

	Page
<b>1. PURPOSE .....</b>	<b>3</b>
<b>2. TRANSACTIONS .....</b>	<b>3</b>
2.1 Request for Quotation (RFQ) (SK1) .....	3
2.2 Rejection of RFQ (SK3) .....	3
2.3 Response to RFQ (SL1) .....	3



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## **REQUEST FOR QUOTATION (RFQ)/QUOTATION**

### **1. PURPOSE**

This section describes all the transactions required to operate the Request for Quotation/Quotation on-line ADP procedure between a potential Customer and Contractor.

### **2. TRANSACTIONS**

#### **2.1 Request for Quotation (RFQ) (SK1)**

This transaction provides the Customer with the capability to request a price quotation against an individual Part Number/NSN from a Contractor. Each request is to carry a specific Request Number. When it is necessary to repeat a Request for Quotation, then this repeat will be indicated by incrementing the Request for Quotation Repeat Counter. For initial RFQ the counter will be 0.

Examples of this transaction are shown in Section 2-7.

#### **2.2 Rejection of RFQ (SK3)**

Should a Contractor not wish to provide a quotation this rejection transaction should be used.

The Contractor will normally indicate the reason for the rejection of the RFQ by means of Status/Advice Codes and/or Remarks.

This rejection should be sent within 2 weeks of receiving a request (SK1).

Examples of this transaction are shown in Section 2-7.

#### **2.3 Response to RFQ (SL1)**

When the Unit Price/Purchasing Lead Time of the required Part Number/NSN or an alternative has been determined, the Customer will receive a full quotation response.

Alternative items and/or alternative suppliers are to be the subject of separate Quotations (SL1) each of which must include the Request Number of the original Request (SK1).

The existence of more than one SL1 message in response to one SK1 is to be indicated by an appropriate Status/Advice Code and/or remarks in each SL1.

Each quotation response will have a Contractor specific Quotation Number/Date.

If the quotation leads to a subsequent order, then the Quotation Number/Date has to be included in the order placement message.

Examples of this transaction are shown in Section 2-7.

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**CUSTOMER PRICE LIST (CPL)**  
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## **CUSTOMER PRICE LIST (CPL)**

### **1. PURPOSE**

This section describes the transactions required in the initial request to establish the Customers Price List (CPL), its approval and subsequent updating.

This procedure of exchanging CPL Data is based upon bulk data transfer methods (i.e. magnetic tape, batch/on-line transfers).

### **2. TRANSACTIONS**

#### **2.1 Request for Establishment/Update of a CPL (SM1)**

This transaction will normally apply to items which are CPL candidates. It provides the Customer with the capability to request the establishment/update of a Customer Price List (CPL).

The Customer may use this transaction to request prices either for specified Part Numbers/NSNs within a CPL Reference Number/Model Identification, or globally for a CPL Reference Number/Model Identification.

In the case of Request for Establishment of a CPL the CRE will be defined by the Customer (CAA = 000).

In the case of Request for an Update of a CPL, existing CRE and CAA must be used.

Examples of this transaction are shown in Section 2-7.

#### **2.2 Rejection of a Request for Establishment/Update of a CPL (SM3)**

Where a Contractor wishes to reject the establishment/update of a CPL, then this rejection transaction should be used.

The Contractor will normally indicate the reasons for rejecting the request to establish a CPL or update a CPL by means of Status/Advice Codes and/or Remarks.

The rejection should be sent within 2 weeks of receiving a request (SM1). Where a Part Number/NSN orientated SM1 transaction is received by a Contractor, each Part Number/NSN must be validated. Where Part Numbers/NSNs are found to be invalid, their rejection is implicit by their omission from the resulting SN1 transactions. Such rejections should be advised through off-line manual procedures.

Examples of this transaction are shown in Section 2-7.

## **SPECIFICATION 2000M**

### **2.3 Submission of a CPL/Update (SN1)**

This transaction provides the Contractor with the capability to submit CPL Data to a Customer.

In the case of an update, a new CAA must be used.

In the case of an initial submission of a CPL without existing Request the CRE will be defined by the Contractor (CAA = 000).

Examples of this transaction are shown in Section 2-7.

### **2.4 Acceptance of CPL (SN2)**

This transaction provides the Customer with the capability to indicate approval of the total CPL (or update of a CPL) as quoted, listing any exceptions if necessary.

The Customer will normally indicate the reasons for these exceptions by means of Status/Advice Codes and/or Remarks.

Negotiations to satisfy the exceptions to the approved list would normally take place by other means. The acceptance transaction should be sent within 4 weeks of receiving the CPL or update of a CPL.

Examples of this transaction are shown in Section 2-7.

### **2.5 Total Rejection of a CPL or Update of a CPL (SN3)**

This transaction provides the Customer with the capability to reject the complete CPL submission or the complete update of a CPL.

The Customer will normally indicate the reasons for rejection by means of Status/Advice Codes and/or Remarks.

This rejection transaction should be sent within 4 weeks of receiving the CPL or update of a CPL.

Examples of this transaction are shown in Section 2-7.

**SECTION 2-4**  
**STATUS INFORMATION**  
**CONTENTS**

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## **STATUS INFORMATION AND HASTENING**

### **1. PURPOSE**

The purpose of this section is to describe the transactions designed to allow a Customer to request price status information from a Contractor.

### **2. TRANSACTIONS**

#### **2.1 Status of Price Inquiry (SP1)**

This transaction can be used by the Customer to request price related information against an existing Order Number, Quotation Number (also used for MSS), CPL Reference Number.

#### **2.2 Status of Price Advice (SP4)**

This transaction allows the Contractor to reply to a SP1 message. If necessary the information may be augmented by use of clear text in the Remarks field.

The Status of Price Advice transaction will only be generated for authorized Customers/ Customer Agencies.

#### **2.3 Hastening Transactions**

Guidance for the use and content of Hastening transactions for use in Procurement Planning is contained in Chapter 3, Section 3-3.

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**SECTION 2-5**  
**FLOW CHARTS**  
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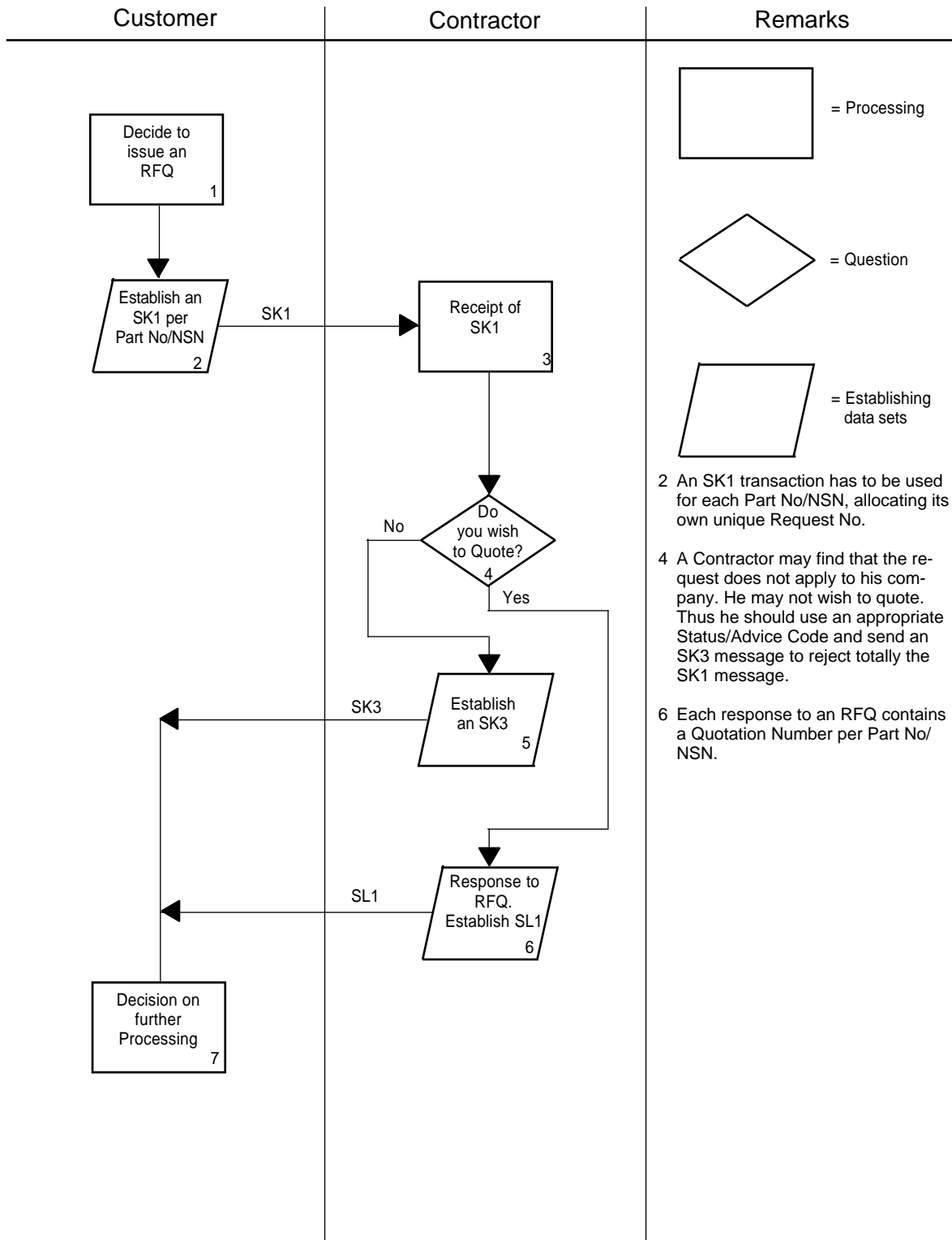
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**NOTE**

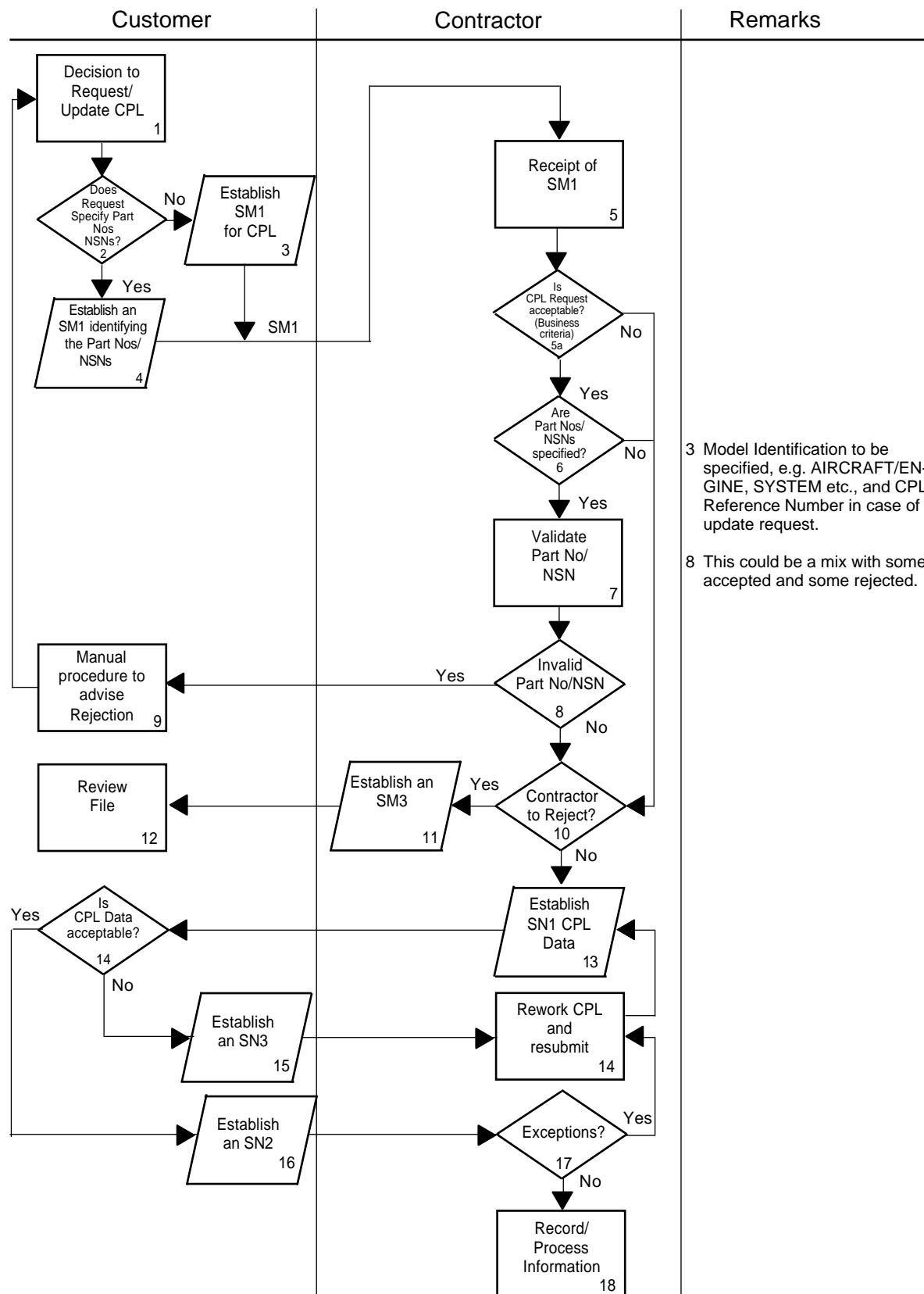
The following Flow Charts are to give only a general outline on the sequence of events relevant to the activities within Procurement Planning.

They are not to substitute for the written paragraphs preceding this section.

# 1. REQUEST FOR QUOTATION (RFQ)

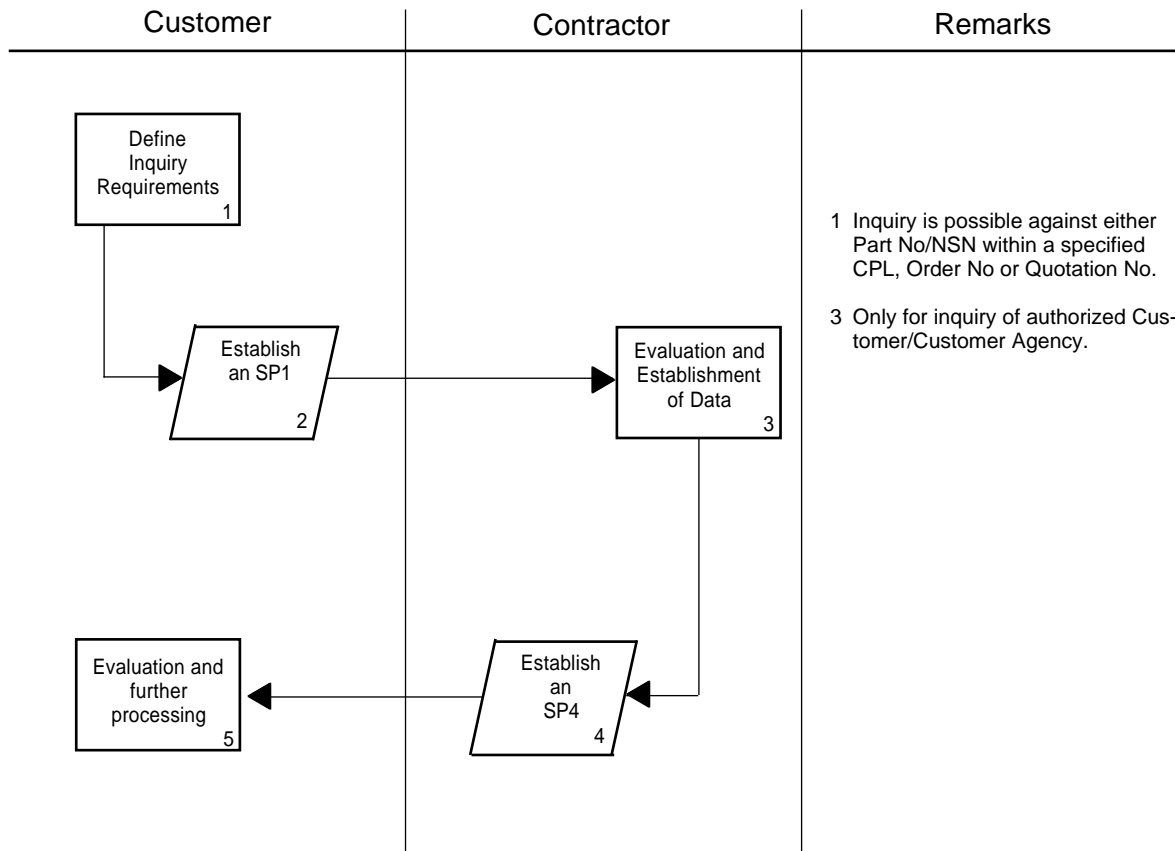


## 2. REQUEST FOR ESTABLISHMENT/UPDATE OF A CUSTOMER PRICE LIST (CPL)





### 3. STATUS INFORMATION PROCUREMENT PLANNING DATA



## SECTION 2-6

### TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

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## TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

### 1. PURPOSE

The procedures for the transmission of data are described in Appendix 2, Communication Techniques.

This section indicates the structure and the segmentation of all transactions for Procurement Planning as well as the data elements belonging to each transaction.

For ease of understanding this section is presented as follows:

Paragraph 2: Transactions and Command Codes

Paragraph 3: Data Element Incidence Matrix

Paragraph 4: Message Structures

Paragraph 5: Branching Diagrams

## **2. TRANSACTIONS AND COMMAND CODES**

### **2.1 Purpose**

This paragraph defines the interrelationship between Command Codes and Transactions.

#### **Transactions**

The administration of information appertaining to Procurement Planning normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, the "transactions".

#### **Command Codes**

Individual Transactions are clearly identified by means of Command Codes.

The relationship between Transactions and Command Codes is outlined in Paragraph 2.2.

## 2.2 Transactions and Command Codes for Procurement Planning

		Acceptance	Rejection	Status
Request for Quotation (RFQ)	→ SK1		← SK3	
Response to RFQ	← SL1			
Request for Establishment/ Update of Customer Price List (CPL)	→ SM1		← SM3	
Submission of CPL/Update	← SN1	→ SN2	→ SN3	
Status of Price Inquiry/ Advice	→ SP1			← SP4
Hastening*	→ SH6, SH8 ← SH7, SH9			

Customer to Contractor →

Contractor to Customer ←

\* See Section 3-3 for details of Hastening Messages

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### 3. DATA ELEMENT INCIDENCE MATRIX PROCUREMENT PLANNING

MESSAGE IDENTIFYING COMMAND CODE		SK1	SK3	SL1	SM1	SM3	SN1	SN2	SN3	SP1	SP4
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR			X			X				X
ACA	ADJUSTABLE COST DETAILS			X			X				X
AGU	AGENTS TAX REGISTRATION NUMBER/UNC										
AGE	AGERD NUMBER	X		X			X				X
AMN	AMENDMENT NUMBER										
BOL	BILL OF LADING NUMBER										
CAU	CARRIER/UNC	X		X							X
CNO	CASE NUMBER										
CAN	CHANGE AUTHORITY NUMBER			X							
CHG	CHANGE CODE			X							
COC	COMMAND CODE	X	X	X	X	X	X	X	X	X	X
CBU	CONTRACTOR'S BANK DETAILS										
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC										
COU	CONTRACTOR/UNC	X	X	X	X	X	X	X	X	X	X
CDD	CONTRACTUAL DELIVERY DATE										
CPU	COPRODUCER/UNC			X			X				
COR	COUNTRY OF ORIGIN										
CUD	CURE DATE										
CUR	CURRENCY CODE	X		X	X		X				X
CAA	CPL ADDENDUM/AMENDMENT NUMBER				X	X	X	X	X	X	X
CEF	CPL EFFECTIVE DATE				X		X				X
CEX	CPL EXPIRY DATE				X		X				X
CRE	CPL REFERENCE NUMBER				X	X	X	X	X	X	X
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC	X		X							
CUU	CUSTOMER/UNC	X	X	X	X	X	X	X	X	X	X
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC										

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

# SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SK1	SK3	SL1	SM1	SM3	SN1	SN2	SN3	SP1	SP4
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE										
DPT	DELIVERY POINT	X		X	X		X				X
DNO	DIVERSION NUMBER										
DMC	DOMESTIC MANAGEMENT CODE	X		X							X
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE										
DPV	DOWN/PROGRESS PAYMENT VALUE										
ETC	EARLIEST TIME FOR COLLECTION										
ECO	ECONOMIC CONDITIONS										
EOC	ECONOMIC CONDITIONS/CUR	X		X	X		X				X
ESR	ESCALATION FACTOR/CUR										
ESY	ESCALATION VALUE/CUR										
ECC	EVIDENCE CONTROL CODE	X	X	X	X	X	X	X	X	X	X
EXC	EXCHANGE CURRENCY CODE			X			X				X
EXU	EXCHANGE RATE/CUR			X			X				X
ERT	EXCHANGE RATE TYPE			X			X				X
FDD	FORECAST DELIVERY DATE			X							X
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL										
HNO	HASTENING NUMBER										
HAZ	HAZARDOUS MATERIAL	X		X	X		X	X			
IPP	INITIAL PROVISIONING PROJECT NO.	X		X	X		X				
ICY	INTERCHANGEABILITY			X							
ICA	INVOICE CATEGORY										
IDT	INVOICE DATE										
IDC	INVOICE DELIVERY LINE VALUE NETT/CUR										
INR	INVOICE NUMBER										
IOV	INVOICE ORDER LINE VALUE NETT										
ISU	INVOICE SENDER/UNC										
ITU	INVOICE TO/UNC										
ITX	INVOICE TOTAL TAX VALUE										
ITL	INVOICE TOTAL VALUE GROSS										



## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SK1	SK3	SL1	SM1	SM3	SN1	SN2	SN3	SP1	SP4
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT										
INT	INVOICE TYPE										
ITY	ITEM TYPE	X		X			X				X
KEY	KEYWORD	X		X			X				X
LOC	LETTER OF CREDIT NUMBER										
MSQ	MINIMUM SALES QUANTITY			X			X				X
MOI	MODEL IDENTIFICATION	X		X	X	X	X	X	X		X
NSN	NATO STOCK NUMBER	X		X	X		X	X		X	X
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X		X	X		X	X		X	X
NNR	NOTICOL NUMBER										
NOU	NOTICOL ORIGINATOR/UNC										
OPR	OFFSET PERCENTAGE RATE										
OFV	OFFSET VALUE										
IPO	ORDER NUMBER									X	X
OID	ORIGINAL INVOICE DATE										
OIN	ORIGINAL INVOICE NUMBER										
TTV	ORIGINAL INVOICE TOTAL TAX VALUE										
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS										
OGV	ORIGINAL INVOICE TOTAL VALUE NETT										
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X	X	X	X	X	X	X	X	X	X
OBI	OWN BRANCH INDICATOR										
PLC	PACKAGING LEVEL CODE	X		X	X		X				X
PNR	PART NUMBER	X		X	X		X	X		X	X
DPY	PAYMENT DATE										
PAN	PAYMENT STATUS ADVICE NUMBER										
PYT	PAYMENT TERMS										
POP	PERIOD OF PERFORMANCE										
CDU	PICK-UP POINT - CODED ADDRESS/UNC										
PUP	PICK-UP POINT - FULL ADDRESS										
PKD	PREVIOUS KEY DATA			X							
PBD	PRICE BREAK DATA			X			X				X
PCA	PRICE CATEGORY			X			X				X

# SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SK1	SK3	SL1	SM1	SM3	SN1	SN2	SN3	SP1	SP4
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION	X		X	X		X				X
PCN	PRIME CONTRACT NUMBER	X		X	X		X			X	X
PTY	PRIORITY REQUIREMENT										
PBN	PROCUREMENT BUDGET NUMBER										
PCD	PROCUREMENT CODE										
PPM	PROGRESS/PAYMENT MILESTONE NO.										
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER										
PCY	PROVISIONING CATEGORY										
PLT	PURCHASING LEAD TIME			X			X				X
QTY	QUANTITY	X		X							X
QUI	QUANTITY PER UNIT OF ISSUE	X		X	X		X			X	X
QDT	QUOTATION DATE			X							X
QED	QUOTATION EXPIRY DATE	X		X							X
QNO	QUOTATION NUMBER			X						X	X
QTT	QUOTATION TARGET DATE	X		X							X
QVP	QUOTATION VALIDITY PERIOD	X		X							X
RDT	RECEIPT DATE										
REM	REMARKS	X	X	X	X	X	X	X	X	X	X
RNS	REPLACING NATO STOCK NUMBER			X							
RMU	REPLACING NATO SUPPLY CODE FOR MFR'S/UNC			X							
RPP	REPLACING PART NUMBER			X							
RUI	REPLACING UNIT OF ISSUE			X							
RQC	REQUEST FOR QUOTATION REPEAT COUNTER	X	X	X							
RQN	REQUEST NUMBER	X	X	X	X	X	X				
RDD	REQUIRED DELIVERY DATE	X		X							X
SLK	SEGMENT LEVEL KEY	X		X	X		X	X		X	X
SIN	SENSITIVITY INDICATOR	X		X	X		X	X			
SER	SERIAL NUMBER										
SIU	SHIP TO/UNC										
SCN	SHIPMENT/CONSIGNMENT NO.										
SHU	SHIPPED FROM/UNC			X							X
SHM	SHIPPING METHOD	X		X							X

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SK1	SK3	SL1	SM1	SM3	SN1	SN2	SN3	SP1	SP4
TEI	DATA ELEMENT NAME										
STU	SOLD-TO/UNC										
SPQ	STANDARD PACKAGE QTY			X			X				X
SOM	STATE OF MANUFACTURE										
SAC	STATUS/ADVICE CODE	X	X	X	X	X	X	X	X	X	X
SNQ	STATUS INQUIRY NUMBER									X	X
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X	X	X	X	X	X
SRU	SUPPLIER/UNC	X	X	X	X	X	X	X	X	X	X
SMB	SUPPLY MANAG. BRANCH INDICATOR	X	X	X	X	X	X	X	X	X	X
TAC	TAX CODE										
TCC	TAX CODE/CUR			X			X				X
TPR	TAX PERCENTAGE RATE										
TRC	TAX PERCENTAGE RATE/CUR			X			X				X
TPD	TAX POINT DATE										
TAU	TAX VALUE/CUR			X			X				X
TEI	TEI IDENTITY IDENTIFIER										
TLC	TOTAL LINE VALUE/CUR			X							X
TNC	TOTAL NUMBER OF CASES										
TOP	TYPE OF PRICE										
TPC	TYPE OF PRICE/CUR	X		X	X		X				X
TOS	TYPE OF SUPPLY										
UDU	ULTIMATE DESTINATION CODE/UNC	X		X							X
UOI	UNIT OF ISSUE	X		X	X		X	X		X	X
UOM	UNIT OF MEASURE	X		X	X		X			X	X
UPR	UNIT PRICE			X			X				X
VOC	VOLUME OF CONSIGNMENT										
WOC	WEIGHT OF CONSIGNMENT										

## **4. MESSAGE STRUCTURES**

### **4.1 Purpose**

To describe the structure and format for Procurement Planning data exchange.

### **4.2 Message Structure**

Generally for the exchange of data and information, each interchange consists of one or more messages to create, amend or delete data located within a data base.

A message consists of segments.

Each segment is related to a specific level. This relationship cannot be changed.

**LEVEL 0:** This is the highest level segment or portion of a total message. It relates to those data units that, from a business point of view, should be grouped together. Being the highest level segment, it correspondingly retains the highest level data units (e.g. Contractor, Customer, Request Number, Quotation Number, CPL Reference Number etc.).

**LEVEL 1:** This is the next subordinate segment to Level 0. The Level 1 segment retains information relating to a physical item/spare, typically holding such information as Part Number, NSN, Unit of Issue etc. All Level 1 data relates totally to that contained in Level 0.

**LEVEL 2:** This is the next subordinate level to Level 1. The Level 2 segment contains data relating to variable requirements pertaining to the Level 1 data.

Typically this segment would be used to relate variable delivery information relating to an item which is, for example, required to be delivered to different locations (Ultimate Destination Codes) or by different dates (Required Delivery Dates).

### **4.3 Segment Structure**

Within the Procurement Planning process, all transactions consist of a number of segments at a maximum of three levels. The segments occur in a logical sequence of levels, the first at Level 0, commonly referred to as the data header.

Each segment comprises the segment code followed by the related Data Units.

### **4.4 Rules for use of Message Structures**

- All transactions must have a Level 0 segment; depending on the level of detail being provided, additional Levels 1 and 2 may be generated.
- A Level 2 segment may only be present if a corresponding Level 1 segment is present.
- For each message there is a variable number of segment level possibilities. This gives rise to the data default rule. Data default means that when the same data element is permitted to be repeated across segment levels, it should only be used to convey the exception. For example, a UDU may be stated in a Level 0-SA1 transaction, this implies that the specified UDU applies to the whole order quantity; however, if a further Level 2 segment quotes a different UDU, then, for this particular Level 2 quantity, the Level 2-UDU takes preference over the Level 0-UDU. Hence repeatable data should be used only to transmit the exception rather than the routine. The routine should always be stated in the highest level possible. The data default rule will not apply to the Data Unit 'Quantity'. The reason for its non applicability is explained in the following point of principle.
- Generally, for all transactions, the summation of all the quantity values in Level 2 segments must equal the total quantity value given in their corresponding Level 1 segment. Exceptions to this rule are identified in the message structures.

### **4.5 Structure of Message Segments**

The structure of the segments and transactions is shown on the following pages. The following legend, to identify certain abbreviations, codes and regulations, is applicable:

#### **Legend**

- M = Mandatory
- C = Conditional
- O = Optional
- / = Indicates a repeating Data Unit. The number which follows the "/" indicates the number of times the Data Unit may repeat within the segment.

#### **4.6 Notes used in Message Formats**

NOTE 1: Not taken up.

NOTE 2: This Data Unit must be present at one of the Levels; if it is not present in the lower Level segments, it must be present at the higher Level.

NOTE 3: Not taken up.

NOTE 4: This Data Unit is required in a response if it was included in the original Request or any subsequent amendments. It cannot necessarily be vetted in the message handler and may be vetted against the data base. The value will generally be the same as that in the related placement/request message. However, this general principle may be subject to contract/project rules.

NOTE 5: This Data Unit may be in the message, but its value will not be used to amend the corresponding Data Unit in the receiving data base.

NOTE 6: The essentiality of this Data Unit, in a Status Response Message, will be controlled by the combination of Request Message Data Units in the Status Request Message and the presence of the data in the transmitting data base.

BLANK

MESSAGE IDENTIFIER:

# SK 1: REQUEST FOR QUOTATION (CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M		O/99	
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	PAH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
RQN	REQUEST NUMBER	M				KEY
RQC	REQUEST FOR QUOTATION	M				KEY
	REPEAT COUNTER					
PCN	PRIME CONTRACT NUMBER	C				Project Specific
ORU	ORIGINATOR REFERENCE	C/20		C		Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	O		O		
QTT	QUOTATION TARGET DATE	C				Project Specific
QED	QUOTATION EXPIRY DATE	C				Project Specific
QVP	QUOTATION VALIDITY	C				Project Specific
	PERIOD					
PLC	PACKAGING LEVEL CODE	O		O		
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
CUR	CURRENCY CODE	C				Project Specific
EOC	ECONOMIC CONDITIONS/CUR	O				
	Economic Conditions	M				
	Currency Code	M				
PCO	PRICE CONDITION	O				
DPT	DELIVERY POINT		O	O		
TPC	TYPE OF PRICE/CUR	O				
	Type of Price	M				
	Currency Code	M				
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C				Project Specific
	Supplier	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY		M	M		KEY. The SLK (s) will be created
	Segment Level		M	M		at this point.
	Contractor/Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		M if NSN not present	



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SK 1: REQUEST FOR QUOTATION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/99		
				2		
	SEGMENT LEVEL	0	1			
	SEGMENT TAG	PAH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
UOI	UNIT OF ISSUE		M			
QTY	QUANTITY		M	M		
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QUANTITY PER UNIT OF ISSUE		C		M if UOI non-definitive	
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
AGE	AGERD NUMBER		O			
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			Project Specific
UDU	ULTIMATE DESTINAT. CODE/UNC		O	O		
	Ultimate Destination Code		M	M		
	User (Nation) Code		O	O		
RDD	REQUIRED DEL. DATE		O	O		
SHM	SHIPPING METHOD		C	C		Project Specific
CAU	CARRIER/UNC		O	O		
	Carrier		M	M		
	User (Nation) Code		O	O		
IPP	INITIAL PROVISIONING		C			Project Specific
	PROJECT NUMBER					
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O			
TUU	CUSTOMER TAX REGISTRATION	O	O	O		
	NUMBER/UNC					
	Customer Tax Reg Number	M	M	M		
	User (Nation) Code	O	O	O		

MESSAGE IDENTIFIER:

**SK 3: RFQ REJECTION  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
		0	1	2		
	SEGMENT TAG	PBH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
RQN	REQUEST NUMBER	M				KEY
RQC	REQUEST FOR QUOTATION	M				KEY
	REPEAT COUNTER					
ORU	ORIGINATOR REFERENCE	C/20			Note 4	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	M/20				
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C				Project Specific
	Supplier	M				
	User (Nation) Code	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SL 1: RESPONSE TO RFQ  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/99		
				2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	PCH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	C			Note 4	
RQN	REQUEST NUMBER	M				KEY
RQC	REQUEST FOR QUOTATION	M				KEY
	REPEAT COUNTER					
ORU	ORIGINATOR REFERENCE	C/20		C	Note 4	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	C		C	Note 4	
QNO	QUOTATION NUMBER	M				KEY
QDT	QUOTATION DATE	M				
QTT	QUOTATION TARGET DATE	C			Note 4	
QED	QUOTATION EXPIRY DATE	C			Note 4	
QVP	QUOTATION VALIDITY	C			Note 4	
	PERIOD					
PLC	PACKAGING LEVEL CODE	C		C	Note 4	
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C			Note 4	
CUR	CURRENCY CODE		C	C	M if UPR or PBD present else not required	
					Note 4	
EOC	ECONOMIC CONDITIONS/CUR		C/9	C/9	Note 4	
	Economic Conditions		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION	C				Project Specific
DPT	DELIVERY POINT		C	C	Note 4	
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	M if EXU and EXC present	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	
PCN	PRIME CONTRACT NUMBER	C				Project Specific

MESSAGE IDENTIFIER:

**SL 1: RESPONSE TO RFQ  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/99		
				0	1	2
	SEGMENT LEVEL	PCH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SLK	SEGMENT LEVEL KEY Segment Level Contractor/Customer Indicator Segment Sequence Number		M M M M	M M M M		KEY. This is used to reference particular Level 1 and Level 2 Segments in the current RFQ. New SLKs may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present.
PKD	PREVIOUS KEY DATA Segment Level Contractor/Customer Indicator Segment Sequence Number			C/98 M M M	M if CHG=N following an amendment to an existing Segment	Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs.
PNR	PART NUMBER		C		M if NSN not present	Must be same as that in SK1
MFU	NATO SUPPLY CODE FOR MANUF./UNC NATO Supply Code for Manuf. User (Nation) Code		C M C		M if PNR present	Must be same as that in SK1
NSN	NATO STOCK NUMBER NATO Supply Class		C M M		Note 4 M if PNR not present	Must be same as that in SK1
RPP	NATO Item Identification Number REPLACING PART NUMBER		C		M if SAC = AC and RNS not present If present then all item related Data must refer to RPP M if RPP present	
RMU	REPLACING NATO SUPPLY CODE FOR MANUF./UNC Replacing NATO Supply Code for Manuf. User (Nation) Code		C M O			
RUI	REPLACING UNIT OF ISSUE		C		M if RPP or RNS present	See Note at RPP
RNS	REPLACING NATO STOCK NUMBER		C		M if SAC = AC and RPP not present	
CAN	NATO Supply Class		M			
ICY	NATO Item Identification Number CHANGE AUTHORITY NUMBER INTERCHANGEABILITY		M C C		M if RPP and/or RNS present	Project Specific
QTY	QUANTITY		M	M		Linked with RUI if present
UOI	UNIT OF ISSUE		M			Must be same as that in SK1
UOM	UNIT OF MEASURE		C		M if UOI/RUI non-definitive	Linked with RUI if present
QUI	QUANTITY PER UNIT OF ISSUE		C		M if UOI/RUI non-definitive	Linked with RUI if present
ITY	ITEM TYPE		C			Project Specific
KEY	KEYWORD		C		Note 4	
AGE	AGERD NUMBER		C		Note 4	
SPQ	STANDARD PACKAGE QUANTITY		C	C		Project Specific
PLT	PURCHASING LEAD TIME		C			Project Specific
DMC	DOMESTIC MANAG. CODE		C		Note 4	
MOI	MODEL IDENTIFICATION		C			Project Specific
MSQ	MINIMUM SALES QUANTITY		O	O	If present must not be < SPQ if present	
UPR	UNIT PRICE		C	C	Not present if TOP 5 or 7	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SL 1: RESPONSE TO RFQ  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/99		
				2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	PCH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9	Not present if PBD present	
	Additive Unit Price		M	M		
	Currency Code		M	M		
PBD	PRICE BREAK DATA		O/9	O/9	Not present if AUC present	
TPC	TYPE OF PRICE/CUR		C/9	C/9	Note 4	Project Specific
	Type of Price		M	M		
	Currency Code		M	M		
PCA	PRICE CATEGORY		C	C		Project Specific
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars = MC	
	Currency Code		M	M		
CHG	CHANGE CODE	C	C	C	M if data has been changed	The presentation of new data does not require a Change Code
					M if TAU present	
TCC	TAX CODE/CUR		C/9	C/9		
	Tax Code		M	M		
	Currency Code		M	M		
TRC	TAX PERCENTAGE RATE/CUR		C/9	C/9	M if TAU present	
	Tax Percentage Rate		M	M		
	Currency Code		M	M		
TAU	TAX VALUE /CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9			
	Total Line Value		M			
	Currency Code		M			
UDU	ULTIMATE DESTINAT. CODE/UNC		C	C	Note 4	
	Ultimate Destination Code		M	M		
	User (Nation) Code		C	C	Note 4	
RDD	REQUIRED DEL. DATE		C	C	Note 4	
FDD	FORECAST DEL. DATE		C	C		Project Specific
SHM	SHIPPING METHOD		C	C	Note 4	
CAU	CARRIER/UNC		C	C	Note 4	
	Carrier		M	M		
	User (Nation) Code		C	C	Note 4	
SHU	SHIPPED FROM/UNC		O	O		
	Shipped From		M	M		
	User (Nation) Code		O	O		
CPU	COPRODUCER/UNC		C/9	C/9	M if ITY = SM	
	Coproducer		M	M		
	User (Nation) Code		O	O		
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	
IPP	INITIAL PROVISIONING		C		Note 4	
	PROJECT NUMBER					
TUU	CUSTOMER TAX REGISTRATION	O	O	O		
	NUMBER/UNC					
	Customer Tax Reg Number	M	M	M		
	User (Nation) Code	O	O	O		

MESSAGE IDENTIFIER:

**SM 1: REQUEST FOR ESTABLISHMENT/  
UPDATE OF CUSTOMER PRICE LIST (CPL)  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M	O/ 99999			
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	PDH	PUS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
CRE	CPL REFERENCE NUMBER	M				KEY
CAA	CPL ADD/AMT NUMBER	M				KEY. If initial CPL-Request, fill CAA with zero
RQN	REQUEST NUMBER	M				KEY
MOI	MODEL IDENTIFICATION	C/9			M if PNR or NSN not present	
PCN	PRIME CONTRACT NUMBER	C/9				Project Specific
ORU	ORIGINATOR REFERENCE	C/20				Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
CEF	CPL EFFECTIVE DATE	O				
CEX	CPL EXPIRY DATE	O				
PLC	PACKAGING LEVEL CODE	O	O			
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
IPP	INITIAL PROVISIONING PROJECT	O				
	NUMBER					
CUR	CURRENCY CODE	O				
EOC	ECONOMIC CONDITIONS/CUR	O				
	Economic Conditions	M				
	Currency Code	M				
TPC	TYPE OF PRICE/CUR	O				
	Type of Price	M				
	Currency Code	M				
PCO	PRICE CONDITION	O				
DPT	DELIVERY POINT	O				
SAC	STATUS/ADVICE CODE	O/20	O/20			
REM	REMARKS	O/99	O/99			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
PNR	PART NUMBER		O			
MFU	NATO SUPPLY CODE FOR		C		M if PNR present	
	MANUF./UNC					
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
SLK	SEGMENT LEVEL KEY		M			KEY
	Segment Level		M			
	Contractor/Customer Indicator		M			
	Segment Sequence Number		M			

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SM 1: REQUEST FOR ESTABLISHMENT/  
UPDATE OF CUSTOMER PRICE LIST(CPL)  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M	O/ 99999			
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	PDH	PUS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
NSN	NATO STOCK NUMBER		O			
	NATO Supply Class		M			
	NATO Item Identification Number		M			
UOI	UNIT OF ISSUE		C		M if NSN or PNR present	
UOM	UNIT OF MEASURE		C		M if UOI present and non-definitive	
QUI	QUANTITY PER UNIT OF ISSUE		C		M if UOI present and non-definitive	
SRU	SUPPLIER/UNC Supplier	C				Project Specific
	User (Nation) Code	M				
HAZ	HAZARDOUS MATERIAL	O				
SIN	SENSITIVITY INDICATOR		O/20 O			

MESSAGE IDENTIFIER:

**SM 3: REJECTION OF REQUEST FOR  
ESTABLISHMENT/UPDATE OF CPL  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		1	2		
	SEGMENT TAG	PEH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
COU	User (Nation) Code	C			Note 4	
	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	C			Note 4	
CRE	CPL REFERENCE NUMBER	M				KEY
CAA	CPL ADD/AMT NUMBER	M			Note 4	KEY
RQN	REQUEST NUMBER	M				KEY
MOI	MODEL IDENTIFICATION	C/9			Note 4	
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	M/20				
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/99				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SN 1: SUBMISSION OF CUSTOMER  
PRICE LIST/UPDATE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/99999				
		M	M	O/9		
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	PFH	PTS	PVS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	C			Note 4	
CRE	CPL REFERENCE NUMBER	M				KEY
CAA	CPL ADD/AMT NUMBER	M				KEY. If initial CPL, fill CAA with zero
RQN	REQUEST NUMBER	C/20			Note 4	
MOI	MODEL IDENTIFICATION	C/9			M if PNR or NSN not present	
PCN	PRIME CONTRACT NUMBER	C/9				Project Specific
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
CEF	CPL EFFECTIVE DATE	C				Project Specific
CEX	CPL EXPIRY DATE	C				Project Specific
PLC	PACKAGING LEVEL CODE	C	C	C	Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
ECC	EVIDENCE CONTROL CODE	C			Note 4	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/99	O/99	O/99		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
TCC	TAX CODE/CUR	C/9	C/9	C/9	M if TAU present else optional	
	Tax Code	M	M	M		
	Currency Code	M	M	M		
TRC	TAX PERCENTAGE RATE/CUR	C/9	C/9	C/9	M if TAU present else optional	
	Tax Percentage Rate	M	M	M		
	Currency Code	M	M	M		
TAU	TAX VALUE/CUR	O/9	O/9	O/9		
	Tax Value	M	M	M		
	Currency Code	M	M	M		
SRU	SUPPLIER/UNC	C				Project Specific
	Supplier	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY		M	M		KEY.
	Segment Level		M	M		Level 1 = The SLK of original SM1 when
	Contractor / Customer Indicator		M	M		present otherwise new SLK.
	Segment Sequence Number		M	M		Level 2 = New SLK. See also App. 2.

MESSAGE IDENTIFIER:

**SN 1: SUBMISSION OF CUSTOMER  
PRICE LIST/UPDATE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/99999				
		M	M	O/9		
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	PFH	PTS	PVS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf. User (Nation) Code		M			
			C		Note 4	
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
UOI	UNIT OF ISSUE		M			
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QUANTITY PER UNIT OF ISSUE		C		M if UOI non-definitive	
ITY	ITEM TYPE		O			
AGE	AGERD NUMBER		O			
KEY	KEYWORD		O			
PLT	PURCHASING LEAD TIME		C			Project Specific
MSQ	MINIMUM SALES QUANTITY		O		If present must not be lesser than the SPQ (if present)	
UPR	UNIT PRICE		C	C		Project Specific
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9		Project Specific
	Additive Unit Price		M	M		
	Currency Code		M	M		
PBD	PRICE BREAK DATA		C/9	C/9		Project Specific
CUR	CURRENCY CODE	C	C	C	M if UPR present	
EOC	ECONOMIC CONDITIONS/CUR	C/9	C/9	C/9	Note 4	Project Specific
	Economic Conditions	M	M	M		
	Currency Code	M	M	M		
TPC	TYPE OF PRICE/CUR	C/9	C/9	C/9		Project Specific
	Type of Price	M	M	M		
	Currency Code	M	M	M		
PCO	PRICE CONDITION	C	C	C		Project Specific
DPT	DELIVERY POINT	C	C	C	Note 4	
PCA	PRICE CATEGORY	O	O	O		
ACA	ADJUSTABLE COST DETAILS	O/30	O/30	O/30		
	Adjustable Cost	M	M	M		
	Adjustable Cost Code	M	M	M		
	Adjustable Cost Description	C	C	C	M if ACC first 2 chars = MC	
	Currency Code	M	M	M		
EXC	EXCHANGE CURRENCY CODE	C	C	C	M if EXU and ERT present	
EXU	EXCHANGE RATE/CUR	C/9	C/9	C/9	M if EXC and ERT present	
	Exchange Rate	M	M	M		
	Currency Code	M	M	M		
ERT	EXCHANGE RATE TYPE	C	C	C	M if EXU and EXC present	
IPP	INITIAL PROVISIONING PROJECT NUMBER	C			Note 4	
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	
CPU	COPRODUCER/UNC		C/9	C/9	M if ITY = SM	
	Coproducer		M	M		
	User (Nation) Code		O	O		
SPQ	STANDARD PACKAGE		C	C		Project Specific

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SN 2: CPL/ UPDATE ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Only present to identify those items in the SN1 not accepted.				
		M	O/ 99999			
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	PEH	PTS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	C			Note 4	
CRE	CPL REFERENCE NUMBER	M				KEY
CAA	CPL ADD/AMT NUMBER	M				KEY
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	O/20	O/20			
SLK	SEGMENT LEVEL KEY		M			KEY
	Segment Level		M			SLK of original SN1 Level 1.
	Contractor/Customer Indicator		M			See also App. 2, Section 2, para 3.2.1
	Segment Sequence Number		M			
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		C		Note 4	
UOI	UNIT OF ISSUE		M			
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
MOI	MODEL IDENTIFICATION	C/9			Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20	O/20			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C				Project Specific
	Supplier	M				
	User Nation Code	O				
HAZ	HAZARDOUS MATERIAL		C/20		Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	

MESSAGE IDENTIFIER:

**SN 3: CPL/ UPDATE REJECTION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		1	2		
	SEGMENT TAG	PEH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
COU	User (Nation) Code	C			Note 4	
	CONTRACTOR/UNC	M				KEY
	Contractor	M				
MOI	User (Nation) Code	C			Note 4	
	MODEL IDENTIFICATION	C/9			Note 4	
CRE	CPL REFERENCE NUMBER	M				KEY
CAA	CPL ADD/AMT REFERENCE	M				KEY
	NUMBER					
ORU	ORIGINATOR REFERENCE	C/20			Note 4	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
SAC	User (Nation) Code	C			Note 4	
	STATUS/ADVICE CODE	M/20				
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/99				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
SRU	User (Nation) Code	O				
	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SP 1: STATUS OF PRICE INQUIRY  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M 0	1	2		
	SEGMENT TAG	PGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
SQN	STATUS INQUIRY NUMBER	M				KEY
QNO	QUOTATION NUMBER	C			M if IPO and CRE not present M if CRE and QNO not present	
IPO	ORDER NUMBER	C				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20				Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
CRE	CPL REFERENCE NUMBER	C			M if IPO and QNO not present M if CRE present	
CAA	CPL ADD/AMT NUMBER	C				
PCN	PRIME CONTRACT NUMBER	O				
SLK	SEGMENT LEVEL KEY	O				If required will be either one of the existing Level 1 SLKs or one of the existing Level 2 SLKs of the QNO/IPO/CRE.
	Segment Level	M				
	Contractor / Customer Indicator	M				
	Segment Sequence Number	M				
PNR	PART NUMBER	C			M if CRE present and NSN not present M if PNR present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC	C				
	NATO Supply Code for Manuf.	M				
	User (Nation) Code	O				
UOI	UNIT OF ISSUE	M				
UOM	UNIT OF MEASURE	C			M if UOI non-definitive	
QUI	QUANTITY PER UNIT OF ISSUE	C			M if UOI non-definitive	
NSN	NATO STOCK NUMBER	C			M if CRE present and PNR not present	
	NATO Supply Class	M				
	NATO Item Identification Number	M				
SMB	SUPPLY MANAG. BRANCH INDICATOR	O				
ECC	EVIDENCE CONTROL CODE	O				

MESSAGE IDENTIFIER:

**SP 1: STATUS OF PRICE INQUIRY  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		1	2		
	SEGMENT TAG	PGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAC	STATUS/ADVICE CODE	O/20				
REM	REMARKS	O/99				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SP 4: STATUS OF PRICE ADVICE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/9				
		M	M	O/999		
		0	1	2		
	SEGMENT LEVEL	PHH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
SQN	STATUS INQUIRY NUMBER	M				KEY
IPO	ORDER NUMBER	C			Note 6	
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	O/20		O/20		Project Specific
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	O		O		
CRE	CPL REFERENCE NUMBER	C	C		Note 6	
CAA	CPL ADD/AMT NUMBER	C	C		M if CRE present	
MOI	MODEL IDENTIFICATION		O			
PCN	PRIME CONTRACT NUMBER	O				
QTT	QUOTATION TARGET DATE	O				
QED	QUOTATION EXPIRY DATE	O				
QVP	QUOTATION VALIDITY PERIOD	O				
QNO	QUOTATION NUMBER	C			Note 6	
QDT	QUOTATION DATE	O				
CEF	CPL EFFECTIVE DATE	O	O			
CEX	CPL EXPIRY DATE	O	O			
SMB	SUPPLY MANAG. BRANCH INDICATOR	O	O	O		
ECC	EVIDENCE CONTROL CODE	O	O	O		
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/99	O/99	O/99		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY		M	M		KEY. Represents an existing key structure from an IPO/CRE/QNO
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		Note 6	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		O			
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
NSN	NATO STOCK NUMBER		C		Note 6	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
QTY	QUANTITY		C	C	M if CRE/CAA not present	

MESSAGE IDENTIFIER:

**SP 4: STATUS OF PRICE ADVICE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	Group 1 O/9			
			M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	PHH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
UOI	UNIT OF ISSUE		C		M if QTY present	Project Specific
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QUANTITY PER UNIT OF ISSUE		C		M if UOI non-definitive	
SPQ	STANDARD PACKAGE QUANTITY		O	O		
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
AGE	AGERD NUMBER		O			
PLT	PURCHASING LEAD TIME		O			
DMC	DOMESTIC MANAG. CODE		O			
MSQ	MINIMUM SALES QUANTITY		C	C	M if PCA=OD	
UPR	UNIT PRICE		C	C	Note 6	
AUC	ADDITIVE UNIT PRICE/CUR		O/9	O/9		
	Additive Unit Price		M	M		
	Currency Code		M	M		
PBD	PRICE BREAK DATA		C/9	C/9	Note 6	
CUR	CURRENCY CODE		C	C	Note 6	
EOC	ECONOMIC CONDITIONS/CUR		C/9	C/9	Note 6	
	Economic Conditions		M	M		
	Currency Code		M	M		
TPC	TYPE OF PRICE/CUR		O/9	O/9	See note	
	Type of Price		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION		O	O		
DPT	DELIVERY POINT		O	O		
PCA	PRICE CATEGORY		O	O		
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Costs		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars = MC	
	Currency Code		M	M		
EXC	EXCHANGE CURRENCY CODE		O	O		
EXU	EXCHANGE RATE/CUR		O/9	O/9		
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		O	O		
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9	O/9		
	Total Line Value		M	M		
	Currency Code		M	M		
TRC	TAX PERCENTAGE RATE/CUR		C/9	C/9	M if TAU present	
	Tax Percentage Rate		M	M		
	Currency Code		M	M		

Note: Unless TPC/Type of Price = 05 or 07 (No Price available) then one or more of the optional price fields must be filled.



SPECIFICATION 2000M

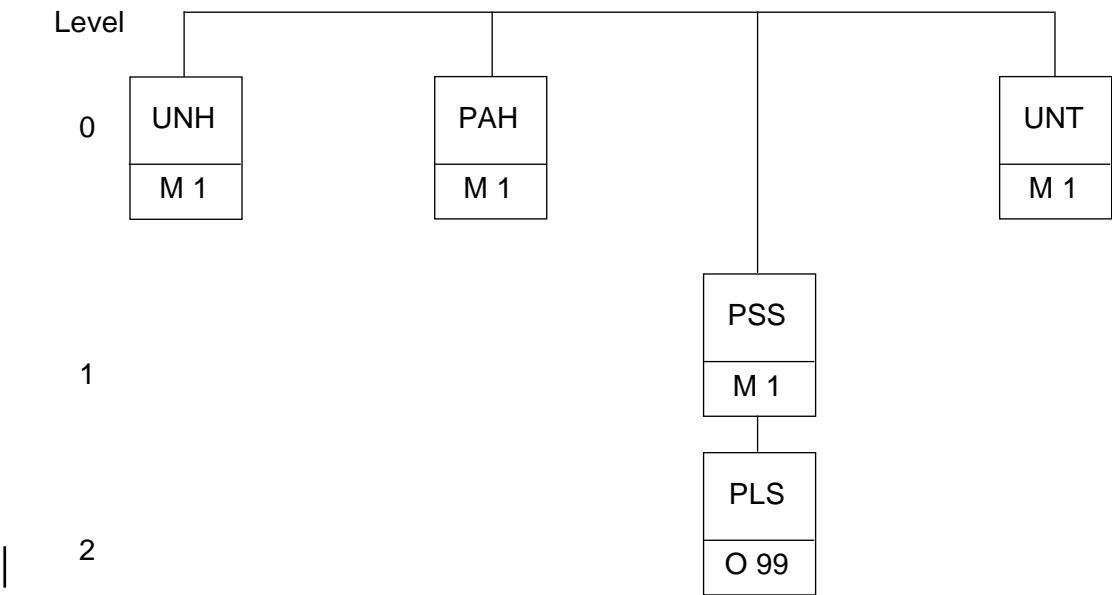
MESSAGE IDENTIFIER: SP 4: STATUS OF PRICE ADVICE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	Group 1 O/9			
			M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	PHH	PSS	PLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
UDU	ULTIMATE DESTINAT. CODE/UNC		O	O		
	Ultimate Destination Code		M	M		
	User (Nation) Code		O	O		
RDD	REQUIRED DEL. DATE		O	O		
FDD	FORECAST DEL. DATE		O	O		
SHM	SHIPPING METHOD		O	O		
CAU	CARRIER/UNC		O	O		
	Carrier		M	M		
	User (Nation) Code		O	O		
SHU	SHIPPED FROM/UNC		O	O		
	Shipped From		M	M		
	User (Nation) Code		O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
SRU	SUPPLIER/UNC	O	O	O		
	Supplier	M	M	M		
	User (Nation) Code	O	O	O		

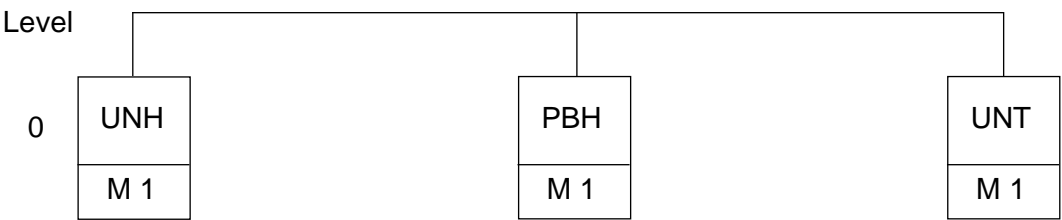
**5. BRANCHING DIAGRAMS**

This paragraph shows, in branching diagram form, all the message structures that can be used in Procurement Planning transactions. For details of compilation see Appendix 2, Section 2, Message Preparation for Transmission.

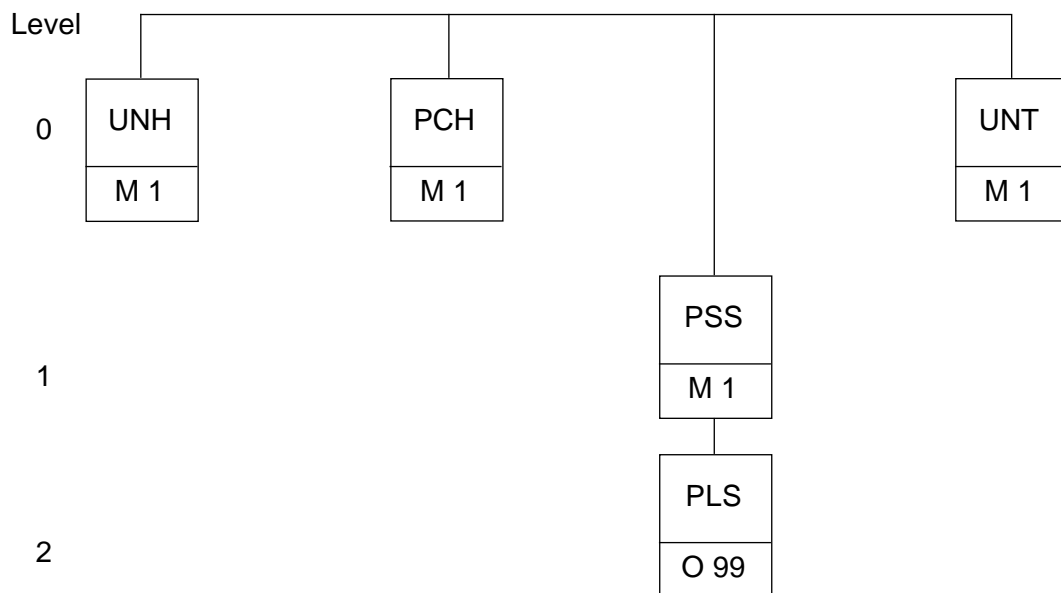
BRANCHING DIAGRAM FOR SK1 TRANSACTION



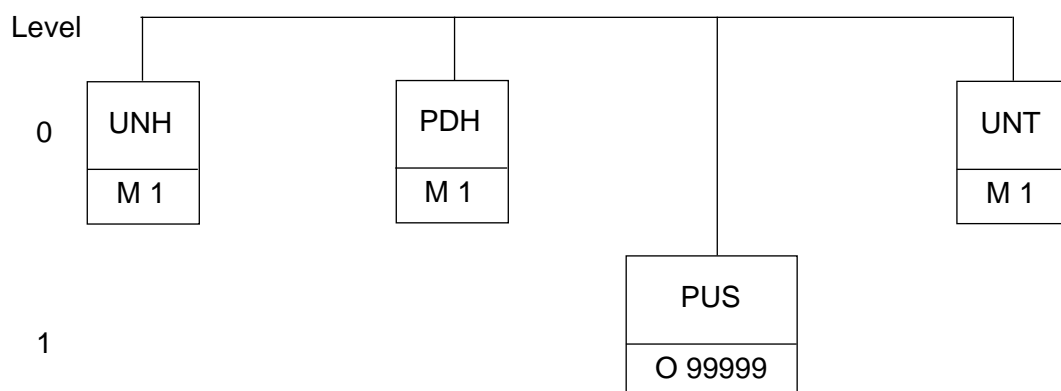
BRANCHING DIAGRAM FOR SK3 TRANSACTION



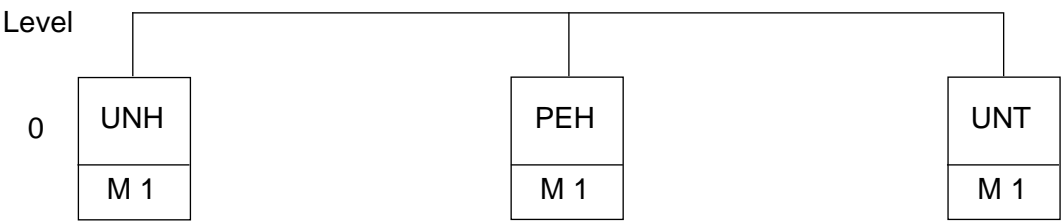
### BRANCHING DIAGRAM FOR SL1 TRANSACTION



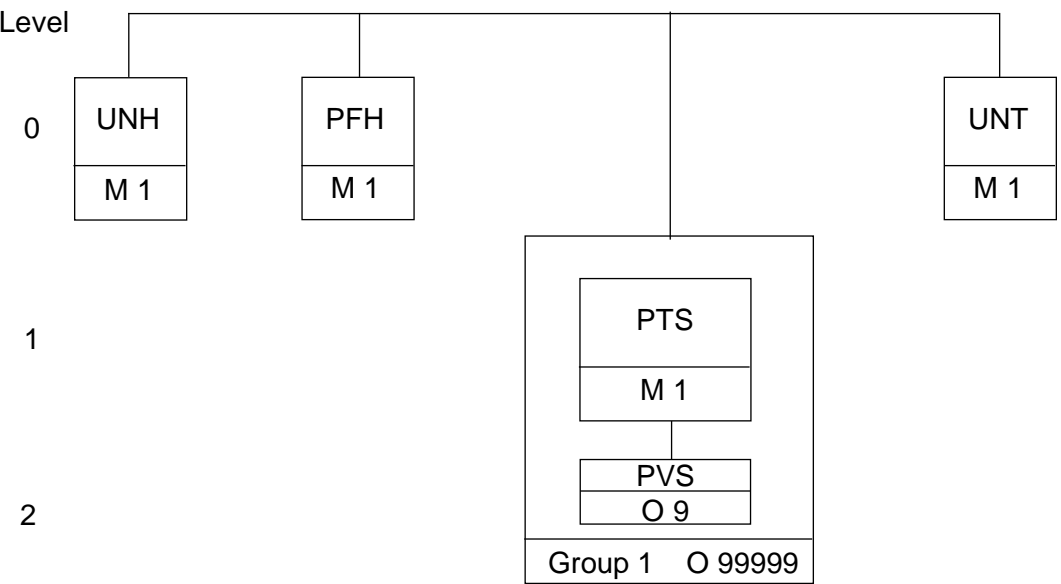
### BRANCHING DIAGRAM FOR SM1 TRANSACTION



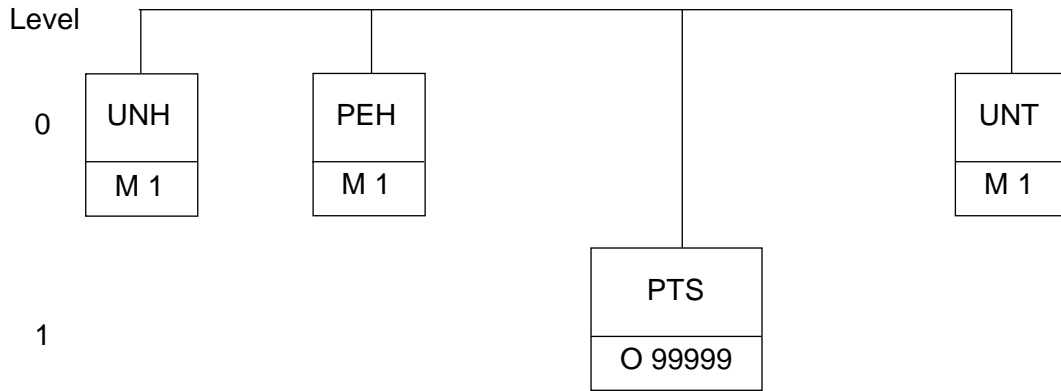
BRANCHING DIAGRAM FOR SM3 AND SN3 TRANSACTION



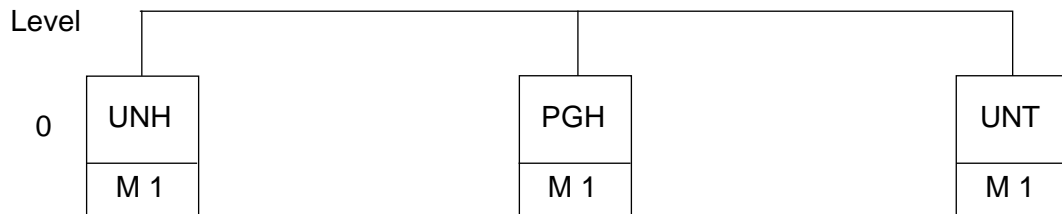
BRANCHING DIAGRAM FOR SN1 TRANSACTION



BRANCHING DIAGRAM FOR SN2 TRANSACTION

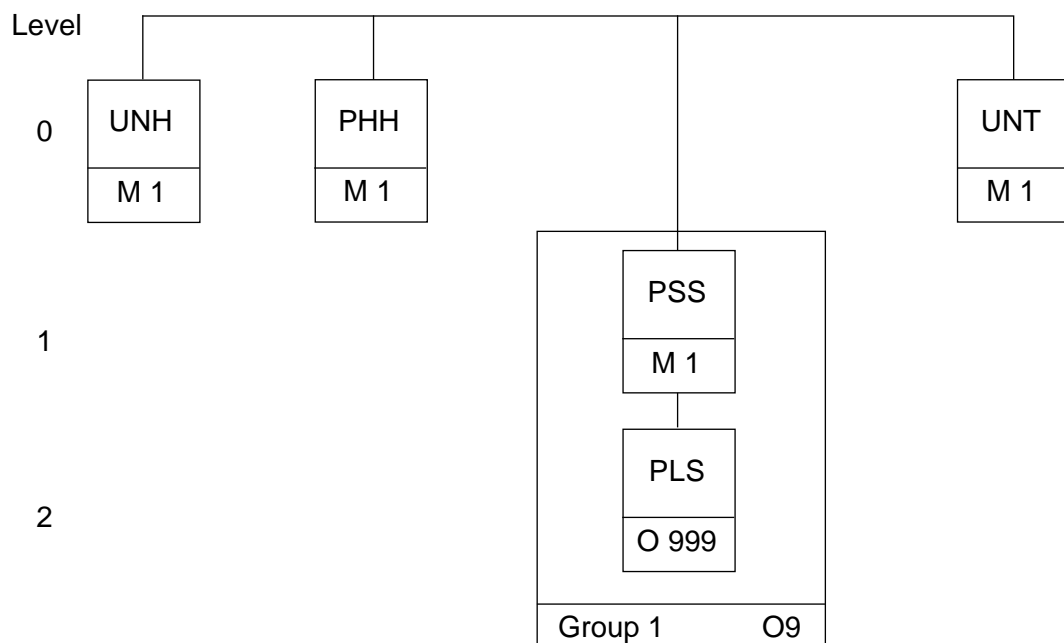


### BRANCHING DIAGRAM FOR SP1 TRANSACTION



### BRANCHING DIAGRAM FOR SP4 TRANSACTION

The Group 1 will only be present in the SP4 message if the sort criteria contained in the SP1 message is matched on the Contractor's data base.



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## SECTION 2-7

### EXAMPLES

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**NOTE:**

Within the following examples, delimiters are shown to indicate their usage inside the messages as constructed for transmission purposes.

They will not appear as part of the physical display (Screen/Hardcopy).

For the definitive rules governing their use see App. 2, Section 3, para 3.

## 1. Request For Quotation (RFQ): SK1 Transaction

A Customer (eg. Air Material Office) places a Request for Quotation upon a Contractor (eg. MBB) for an item (quantity 3) which is required for delivery on 30 September 1988. In this example, the Level 2 Segment, which is OPTIONAL, has been omitted.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PAH+COC:SK1+CUU:00DCZ:\*GY+COU:C0419:\*GY+RQN:DGYAE72070177+RQC:0+QTT:120188+PLC:6+SMB:00DCZ+CUR:DEM+PCO:EXW'

#### Level 1 Segment

PSS+SLK:1:S:1+PNR:2894801+MFU:D0272:\*GY+UOI:EA+QTY:3+MOI:1Y+UDU:DGYAP:0GY+RDD:300988'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PAH      Segment code

TEI	DATA VALUE	
COC	SK1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
RQN	DGYAE72070177	Request Number
RQC	0	Request for Quotation Repeat Counter, indicates initial RFQ
QTT	120188	Quotation Target Date of 12 January 1988
PLC	6	Packaging Level Code
SMB	00DCZ	Supply Management Branch Indicator

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

CUR	DEM	Currency Code of the quotation, to be in DMs
-----	-----	--

PCO	EXW	Price Condition, i.e. "ex works"
-----	-----	----------------------------------

### Level 1 Segment

PSS	Segment code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	--

PNR	2894801	Part Number
-----	---------	-------------

MFU	D0272:*GY	NATO Supply Code for Manufacturer/User (Nation) Code
-----	-----------	--

UOI	EA	Unit of Issue, equals "each"
-----	----	------------------------------

QTY	3	Quantity
-----	---	----------

MOI	1Y	Model Identification
-----	----	----------------------

UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
-----	-----------	--

RDD	300988	Required Delivery Date of 30 September 1988
-----	--------	---

Trailer Segment - UNT

## 2. Rejection of a Request For Quotation (RFQ): SK3 Transaction

The Contractor (eg. MBB) rejects the Request for Quotation sent to him from the Customer (eg. Air Material Office) and uses a Status/Advice Code to inform the Customer of the reason. The Contractor (eg. MBB) also sends this message to BAe and Alenia as information using different Interchanges. This is indicated by use of the Supplementary Address data element.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PBH+COC:SK3+CUU:00DCZ:\*GY+COU:C0419:\*GY+RQN:DGYAE72070177+RQC:0+SAC:AC+SAU:K0999:\*UK+SAU:A0019:\*IT+SMB:00DCZ'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PBH      Segment code

TEI	DATA VALUE	
COC	SK3	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
RQN	DGYAE72070177	Request Number
RQC	0	Request for Quotation Repeat Counter from original SK1
SAC	AC	Status/Advice Code which explains that the Part Number is not valid
SAU	K0999:*UK	First Supplementary Address/User (Nation) Code
SAU	A0019:*IT	Second Supplementary Address/User (Nation) Code
SMB	00DCZ	Supply Management Branch Indicator from original SK1.

COC	SK3	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
RQN	DGYAE72070177	Request Number
RQC	0	Request for Quotation Repeat Counter from original SK1
SAC	AC	Status/Advice Code which explains that the Part Number is not valid
SAU	K0999:*UK	First Supplementary Address/User (Nation) Code
SAU	A0019:*IT	Second Supplementary Address/User (Nation) Code
SMB	00DCZ	Supply Management Branch Indicator from original SK1.

Trailer Segment - UNT

## **SPECIFICATION 2000M**

### **3. Response to a Request For Quotation (RFQ): SL1 Transaction**

The Contractor (eg. MBB) responds to the original Request for Quotation, which is detailed in para 1.

Three differing methods of reply are explained in the following examples.

### 3.1 The Contractor offers the requested quantity at the same delivery date

The Contractor offers the requested quantity of 3 all at the same delivery date of 1 September 1988.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

PCH+COC:SL1+CUU:00DCZ:\*GY+COU:C0419:\*GY+RQN:DGYAE72070177+RQC:0+QNO:MBBUP210077+QDT:100188+QTT:120188+QED:300988+PLC:6+SMB:00DCZ'

#### Level 1 Segment

PSS+SLK:1:S:1+PNR:2894801+MFU:D0272:\*GY+UOI:EA+QTY:3+KEY:GEARBOX+MOI:1Y+UDU:DGYAP:0GY+PLT:6+CUR:DEM+UPR:12500000+TPC:04:DEM+TCC:001:DEM+TAU:1250000:DEM+TLC:41250000:DEM+RDD:300988+FDD:010988+EOC:D311287:DEM'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

PCH      Segment code

TEI	DATA VALUE	
COC	SL1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
RQN	DGYAE72070177	Original Request Number that requested the RFQ
RQC	0	Request For Quotation Repeat Counter, indicates that initial RFQ is responded
QNO	MBBUP210077	Quotation Number
QDT	100188	Quotation Date, the date from which on the quotation is valid
QTT	120188	Quotation Target Date of 12 Jan. 1988

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

QED	300988	Quotation Expiry Date, indicates the quotation becomes invalid after 30 September 1988
PLC	6	Packaging Level Code
SMB	00DCZ	Supply Management Branch Indicator

### Level 1 Segment

PSS      Segment code

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key from original SK1 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
PNR	2894801	Part Number
MFU	D0272:*GY	NATO Supply Code for Manufacturers/User (Nation) Code
UOI	EA	Unit of Issue, equals "each"
QTY	3	Quantity quoted for
KEY	GEARBOX	Keyword of the part
MOI	1Y	Model Identification
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
PLT	6	Purchasing Lead Time in months
CUR	DEM	Currency Code (Mandatory if UPR present)
UPR	12500000	Unit Price. Note: two implied decimal places
TPC	04:DEM	Type of Price/CUR. In this case, code 04 means "PROVISIONAL"
TCC	001:DEM	Tax Code/CUR, which indicates the tax applicable, i.e. VAT

<b>TEI</b>	<b>DATA VALUE</b>	
TAU	1250000:DEM	Tax Value/CUR imposed on the part. Note: two implied decimal places
TLC	41250000:DEM	Total Line Value/CUR calculated from (Unit Price + Tax Value) x Quantity. Note: two implied decimal places
RDD	300988	Date when the Customer requires delivery i.e. 30 September 1988
FDD	010988	Forecast Delivery Date by the Contractor, i.e. 1 September 1988
EOC	D311287:DEM	Economic Conditions of the price and Currency Code
Trailer Segment - UNT		



## SPECIFICATION 2000M

### 3.2 The Contractor offers the requested quantity with a delivery schedule

The Contractor offers the requested quantity with a delivery schedule of one per month starting on 1 September 1988.

#### Message Construction

Header Segment - UNH

**Level 0 Segment** As per para 3.1

**Level 1 Segment** As per para 3.1 (with the exclusion of FDD)

#### 1. Level 2 Segment

PLS+SLK:2:C:1+CHG:N+QTY:1+FDD:010988'

#### 2. Level 2 Segment

PLS+SLK:2:C:2+CHG:N+QTY:1+FDD:011088'

#### 3. Level 2 Segment

PLS+SLK:2:C:3+CHG:N+QTY:1+FDD:011288'

#### Message Translation

Level 0 Segment as per para 3.1

Level 1 Segment as per para 3.1

#### 1. Level 2 Segment

PLS Segment Code

**TEI DATA VALUE**

SLK	2:C:1	Segment Level Key: 2 is the Segment Level C is the Originator 1 is the Segment Sequence Number
CHG	N	Change Code, indicates new Segment
QTY	1	Quantity
FDD	011088	Forecast Delivery Date

Second and third Level 2 Segments follow the same format as the first Level 2 Segment.

Trailer Segment - UNT

### 3.3 The Contractor responds to the RFQ by recommending a Replacing Part Number

The Contractor responds to the RFQ by recommending an alternative Part Number (Replacing Part Number), which can be fully delivered on a Forecast Delivery Date of 1 September 1988. Price data is the same as for the Part Number requested.

**NOTE:** The original Part Number is shown in the PNR field of the Level 1 segment, but the Replacing Part Number will be the subject of any follow-on action eg. order placement.

#### Message Construction

Header Segment - UNH

**Level 0 Segment** As per para 3.1

#### Level 1 Segment

PSS+SLK:1:S:1+PNR:2894801+MFU:D0272:\*GY+UOI:EA+QTY:3+RPP:2894801A+ICY:99+KEY:GEARBOX+MOI:1Y+UDU:DGYAP:0GY+PLT:6+RDD:300988+SAC:1F+SAC:AC+REM:RPP IN QUOTE WILL BE FITTED TO SERIES A/C STARTINGGS215+REM:RECOMMEND YOU ORDER RPP+RMU:D0272:\*GY+RUI:EA'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

**Level 0 Segment** As per para 3.1

#### Level 1 Segment

PSS Segment Code

**TEI DATA VALUE**

SLK	1:S:1	Segment Level Key of original SK1 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	--

PNR	2894801	Part Number requested
-----	---------	-----------------------

MFU	D0272:*GY	NATO SupplyCode for Manufacturers/User (Nation) Code
-----	-----------	---

UOI	EA	Unit of Issue
-----	----	---------------

QTY	3	Quantity
-----	---	----------

## SPECIFICATION 2000M

TEI	DATA VALUE	
RPP	2894801A	Replacing Part Number
ICY	99	Interchangeability. Indicates full interchangeability
KEY	GEARBOX	Keyword used in the response
MOI	1Y	Model Identifier
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
PLT	6	Purchasing Lead Time
RDD	300988	Required Delivery Date from original SK1
SAC	1F	Status/Advice Code: refer to REM
SAC	AC	Second Status/Advice Code
REM		Remarks are transmitted in clear text
RMU	D0272:*GY	MFU of the replacing Part Number
RUI	EA	Unit of Issue of the replacing Part Number

#### 4. Request for a Customer Price List (CPL): SM1 Transaction

A Customer (eg. BWB) places a Request for a CPL upon a Contractor (eg. MBB) for a price list for the Initial Provisioning Project Number 7051 for the period 1 January 1988 until 31 December 1988. This is an initial request. No items are quoted, therefore the Level 1 Segment is omitted.

##### Message Construction

Header Segment - UNH

##### Level 0 Segment

PDH+COC:SM1+CUU:BWBAJ:\*GY+COU:C0419:\*GY+CRE:APL705188+CAA:000+RQN:1+MOI:1Y+PCN:7007183+CEF:010188+CEX:311288+SMB:00DCZ+IPP:7051+CUR:DEM+PCO:EXW'

Trailer Segment UNT'

##### Message Translation

Header Segment - UNH

##### Level 0 Segment

PDH      Segment code

##### TEI              DATA VALUE

COC	SM1	Command Code
CUU	BWBAJ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number
RQN	1	Request Number
MOI	1Y	Model Identification
PCN	7007183	Prime Contract Number
CEF	010188	CPL Effective Date, the date from which the price list is effective, i.e. 1 January 1988
CEX	311288	CPL Expiry Date, i.e. 31 December 1988

## SPECIFICATION 2000M

TEI	DATA VALUE	
SMB	00DCZ	Supply Management Branch Indicator
IPP	7051	Initial Provisioning Project Number allocated for the batch of components now being priced
CUR	DEM	Currency Code, i.e. DMs
PCO	EXW	Price Condition required, i.e. "ex-works"
Trailer Segment - UNT		

## 5. Rejection of a Request for a Customer Price List (CPL): SM3 Transaction

A Contractor (eg. MBB) rejects totally the SM1 transaction sent to him in para 4.

**NOTE:** When only a few of a list of Part Numbers were in error this SM3 transaction would not be used. Only when MBB did not wish to send a price list to BWB at all (See Section 2-3, para 2.2) would this SM3 transaction be sent.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PEH+COC:SM3+CUU:BWBAJ:\*GY+COU:C0419:\*GY+CRE:APL705188+CAA:000+RQN:1+MOI:1Y+SAC:PB+SAC:1F+SMB:00DCZ+REM: WE DO NOT RECOGNISE IPPN 7051'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PEH      Segment code

TEI	DATA VALUE	
COC	SM3	Command Code
CUU	BWBAJ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number
RQN	1	Request Number
MOI	1Y	Model Identification
SAC	PB	Status/Advice Code - used to explain why the request is being rejected

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

SAC	1F	Status/Advice Code: refer to REM
-----	----	----------------------------------

SMB	00DCZ	Supply Management Branch Indicator
-----	-------	------------------------------------

REM		Remarks in clear text may be used when additional explanation is required
-----	--	---

Trailer Segment - UNT

## 6. Contractor Submits a Customer Price List (CPL): SN1 Transaction

A Contractor, having received an SM1 transaction, will submit a CPL. This transaction will require the Level 1 segment to be repeated for every different Part Number. For ease of understanding, only two Part Numbers are included in this example.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PFH+COC:SN1+CUU:BWBAJ:\*GY+COU:C0419:\*GY+CRE:APL705188+CAA:000+RQN:1+  
MOI:1Y+PCN:7007183+CEF:010188+CEX:311288+SMB:00DCZ+IPP:7051'

#### 1. Level 1 Segment

PTS+SLK:1:C:1+PNR:2894801+MFU:D0272:\*GY+UOI:EA+KEY:GEARBOX+PLT:6+  
UPR:12500000+CUR:DEM+TPC:04:DEM+PCO:EXW'

#### 2. Level 1 Segment

PTS+SLK:1:C:2+PNR:2894817+MFU:D0272:\*GY+UOI:EA+KEY:FUEL PUMP+PLT:6+  
UPR:560000+CUR:DEM+TPC:02:DEM+PCO:EXW'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PFH      Segment code

TEI	DATA VALUE	
COC	SN1	Command Code
CUU	BWBAJ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

RQN	1	Request Number, taken from the relevant SM1 transaction
MOI	1Y	Model Identification
PCN	7007183	Prime Contract Number
CEF	010188	CPL Effective Date, i.e. 1 January 1988
CEX	311288	CPL Expiry Date, i.e. 31 December 1988
SMB	00DCZ	Supply Management Branch Indicator
IPP	7051	Initial Provisioning Project Number, taken from the relevant SM1 transaction

### 1. Level 1 Segment

PTS      Segment code

TEI	DATA VALUE
-----	------------

SLK	1:C:1	Segment Level Key: 1 is the Segment Level C is the Originator 1 is the Segment Sequence Number
PNR	2894801	Part Number
MFU	D0272:*GY	NATO Supply Code for Manufacturer/User (Nation) Code.
UOI	EA	Unit of Issue
KEY	GEARBOX	Keyword
PLT	6	Purchasing Lead Time in months
UPR	12500000	Unit Price
CUR	DEM	Currency Code of the Unit Price, i.e. DMs
TPC	04:DEM	Type of Price/CUR i.e. provisional
PCO	EXW	Price Condition, i.e. "ex-works"

**2. Level 1 Segment**

PTS            Segment code

**TEI            DATA VALUE**

SLK            1:C:2            Segment Level Key  
    1 is the Segment Level  
    C is the Originator  
    2 is the Segment Sequence Number

PNR            2894817            Part Number

MFU            D0272:\*GY            NATO Supply Code for Manufacturers/User (Nation) Code.

UOI            EA            Unit of Issue

KEY            FUEL PUMP            Keyword

PLT            6            Purchasing Lead Time in months

UPR            560000            Unit Price

CUR            DEM            Currency Code of the Unit Price, i.e. DMs

TPC            02:DEM            Type of Price/CUR i.e. firm

PCO            EXW            Price Condition, i.e. "ex-works"

Trailer Segment - UNT

## SPECIFICATION 2000M

### 7. Customer Accepts the CPL which the Contractor issued: SN2 Transaction

A Customer, having received an SN1 transaction, will formally accept the submitted CPL using this SN2 transaction. The CPL can be approved, however, rejections or certain comments can be made against individual Part Numbers using the Status/Advice Code or Remarks field. The Level 1 Segment will only be present if information relating to one or more items is rejected. In the example, the Level 1 Segment which relates to Part Number 2894817 is used to reject the Type of Price provided.

This transaction should also be used to approve any updates to the CPL that may be necessary.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

PEH+COC:SN2+CUU:BWBAJ:\*GY+COU:C0419:\*GY+CRE:APL705188+CAA:000+SMB:00DCZ+MOI:1Y'

#### Level 1 Segment

PTS+SLK:1:C:2+PNR:2894817+MFU:D0272:\*GY+UOI:EA+SAC:1F+SAC:P2+REM:TOP  
NOT ACCEPTED SEE PRICE AGREEMENT LETTER AND CONTACT OFFLINE'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

PEH      Segment code

TEI	DATA VALUE
-----	------------

COC	SN2	Command Code
-----	-----	--------------

CUU	BWBAJ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419:*GY	Contractor/User (Nation) Code
-----	-----------	-------------------------------

CRE	APL705188	CPL Reference Number
-----	-----------	----------------------

<b>TEI</b>	<b>DATA VALUE</b>
------------	-------------------

CAA	000	CPL Addendum/Amendment Number
SMB	00DCZ	Supply Management Branch Indicator
MOI	1Y	Model Identification

**Level 1 Segment**

PTS	Segment code
-----	--------------

<b>TEI</b>	<b>DATA VALUE</b>
------------	-------------------

SLK	1:C:2	Segment Level Key: 1 is the Segment Level C is the Originator 2 is the Segment Sequence Number
PNR	2894817	Part Number. Will denote a special comment relating to this component only
MFU	D0272:*GY	NATO Supply Code for Manufacturer/User (Nation) Code.
UOI	EA	Unit of Issue
SAC	1F	Status/Advice Code (refer to REM)
SAC	P2	Status/Advice Code
REM		Remarks provided in clear text. May be used when SAC is not sufficiently explicit

Trailer Segment - UNT

## SPECIFICATION 2000M

### 8. Customer Rejects the Total CPL: SN3 Transaction

A Customer would use this transaction to reject the whole of the CPL sent by a SN1 transaction. It may also be used to reject the whole of an update issued by a Contractor.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

PEH+COC:SN3+CUU:BWBAJ:\*GY+COU:C0419:\*GY+MOI:1Y+CRE:APL705188+CAA:000+SAC:1F+SMB:00DCZ+REM: NO TRACE OF REQUEST FOR THIS CPL'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

PEH      Segment code

TEI	DATA VALUE
-----	------------

COC	SN3	Command Code
CUU	BWBAJ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
MOI	1Y	Model Identification
CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number
SAC	1F	Status/Advice Code (refer to REM)
SMB	00DCZ	Supply Management Branch Indicator
REM		Remarks in clear text

Trailer Segment - UNT

## 9. Customer Inquiry of the Price of an Item in a Specific CPL: SP1 Transaction

This transaction can be used by the Customer to make an inquiry on a Contractor for the price of an item in a specific CPL.

This transaction can also be used to inquire the price against a specific Order Number and also against a specific Quotation Number.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PGH+COC:SP1+CUU:BWBAJ:\*GY+COU:C0419:\*GY+SQN:1+CRE:APL705188+CAA:000+  
PNR:2894817+MFU:D0272:\*GY+UOI:EA+SMB:00DCZ'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PGH      Segment code

TEI	DATA VALUE	
COC	SP1	Command Code
CUU	BWBAJ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
SQN	1	Status Inquiry Number
CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number
PNR	2894817	Part Number. In this example, this is the item affected by the inquiry

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<b>TEI</b>	<b>DATA VALUE</b>	
MFU	D0272:*GY	NATO Supply Code for Manufacturer/User (Nation) Code
UOI	EA	Unit of Issue
SMB	00DCZ	Supply Management Branch Indicator
Trailer Segment - UNT		

## 10. CPL/Price Inquiry Status Transmission: SP4 Transaction

The Contractor will use this transaction to reply to an inquiry against an item in a specific CPL, Order Number or against Quotation Number as specified by a Customer in his SP1 transaction.

The actual data transmitted will depend upon the Status/Advice Code which identifies the specific question.

For this example, assume the Customer requested the CPL-price of the Part Number 2894801.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

PHH+COC:SP4+CUU:BWBAJ:\*GY+COU:C0419:\*GY+SQN:1+CRE:APL705188+CAA:000+SMB:00DCZ'

#### Level 1 Segment

PSS+SLK:1:C:1+PNR:2894801+MFU:D0272:\*GY+UOI:EA+QTY:1+KEY:GEARBOX+MOI:1Y+PLT:6+UPR:12500000+TPC:04:DEM+PCO:EXW+CUR:DEM'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

PHH      Segment code

**TEI              DATA VALUE**

COC              SP4                      Command Code

CUU              BWBAJ:\*GY                      Customer /User (Nation) Code

COU              C0419:\*GY                      Contractor/User (Nation) Code

SQN              1                                      Status Inquiry Number (taken from SP1)



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

CRE	APL705188	CPL Reference Number
CAA	000	CPL Addendum/Amendment Number
SMB	00DCZ	Supply Management Branch Indicator

### Level 1 Segment

PSS Segment code

TEI	DATA VALUE
-----	------------

SLK	1:C:1	Segment Level Key 1 is the Segment Level C is the Originator 1 is the Segment Sequence Number
PNR	2894801	Part Number. The reply will relate to this item
MFU	D0272:*GY	NATO Supply Code for the Manufacturers/User (Nation) Code
UOI	EA	Unit of Issue
QTY	1	Quantity
KEY	GEARBOX	Keyword describing the item
MOI	1Y	Model Identification
PLT	6	Purchasing Lead Time in months
UPR	12500000	Unit Price
TPC	04:DEM	Type of Price/CUR
PCO	EXW	Price Condition, i.e. "ex-works"
CUR	DEM	Currency Code

Trailer Segment - UNT

## CHAPTER 3 - ORDER ADMINISTRATION

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**SECTION 3-1**  
**ORDER ADMINISTRATION - GENERAL**  
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## ORDER ADMINISTRATION - GENERAL

### 1. PURPOSE

- 1.1 Chapters 2, 3, 4 in this Specification describe the procedures and techniques for on-line orientated operation of Procurement Planning, Order Administration and Invoicing.
  - Procurement Planning (Chapter 2) establishes a method of requesting Quotations, issuing Formal Quotations and Customer Price Lists;
  - Order Administration (Chapter 3) enables orders to be placed and progressed, for both Initial Provisioning and Follow-on Support (including Repair and Overhaul);
  - Invoicing (Chapter 4) provides the facilities for generation and progression of Invoices.
- 1.2 Order Administration is the term used to embrace all activities undertaken in connection with an order, from its creation by a Customer and placement with a Contractor, through all associated amendment, cancellation, diversion, inquiry and advice phases to final delivery of the ordered goods. It is not merely a means of order placement, but enables orders to be actively progressed and monitored at any stage and deliveries to be effectively recorded to support invoice generation. Whether the order arises directly out of the Initial Provisioning process described in Chapter 1A, or relates to Reprovisioning after equipment has been in service for several years, or results from repair/overhaul activities, the principles and practice of Order Administration in this Specification remain virtually the same.
- 1.3 The purpose of this Chapter is to establish ADP-based procedures by which Customers, **working within a pre-negotiated contractual framework**, may place and progress their orders with Industry, whether they are for the supply of new items or the repair/overhaul of existing assets. These procedures provide for:
  - A fully automatic data processing capability using standardized messages, known as transactions, exchanged from computer to computer. These transactions and the manner of their use are described in the following Sections.
  - The capability to revert to off-line processing (i.e. simple telex, hard copy or magnetic tape exchange) in back-up mode or by choice.
  - Similar transactions to cover orders for both new items and the repair/overhaul of existing assets.
  - The handling of orders by either NSN and/or Part Number in conjunction with the NATO Supply Code for Manufacturers.
- 1.4 Internal management procedures developed for the computerized systems of the Customer and the Contractor are not covered by this Specification. Both parties have to establish internal and compatible regulations for managing the orders, especially for memorising the sequence of changes affecting an order by successive transactions.

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1.5 Placement of an order may follow the request and provision of a quotation. Delivery against an order would normally be the trigger for invoice preparation. Details of the procedures covering quotations and invoices are found in Chapters 2 and 4.

1.6 For ease of understanding, the Order Administration procedure is presented as follows:

- |  |             |
|--|-------------|
| - Order Placement and Amendment                    | Section 3-2 |
| - Status Information and Hastening                 | Section 3-3 |
| - Shipment Information                             | Section 3-4 |
| - Flow Charts                                      | Section 3-5 |
| - Transactions/Command Codes/Data Element Matrices | Section 3-6 |
| - Examples   | Section 3-7 |
| - Mutual Support                                   | Section 3-8 |

## **2. PRINCIPLES**

### **2.1 Basic Characteristics**

- Every order shall carry a unique Order Number
- Each order will be placed by a single transaction
- Each order will be placed for only **one** Part Number/NSCM and/or NSN and apply to only one Customer
- The total Quantity ordered must be stated; it may be split into Partial Order Quantities against different delivery requirements.

### **2.2 Messages**

The administration of orders normally implies the frequent exchange of information between Customer and Contractor. This exchange is achieved by transmitting standardized messages known as "transactions". These transactions are detailed in Section 3-6.

### **2.3 Command Codes**

Individual transactions are clearly identified by means of Command Codes. The Command Codes prescribe the format of the message structure and any supporting logic. Furthermore, where subsequent action is required by the recipient, this can easily be understood from the contents of each transaction. The Transactions and their relevant Command Codes are found in Section 3-6.

## **2.4 Data Units**

Individual Data Units are defined in the Data Dictionary.

Guidance on the applicability of Data Units to particular transactions is found in Section 3-6.

Each transaction consists of a string of Data Units which may be either mandatory, conditional or optional, depending upon the purpose for which the transaction has been designed. When a conditional Data Unit is appropriate and available to a specific transaction, it should be transmitted.

## **2.5 Structuring of Messages**

There is a need for the Data Units in each transaction to be specially structured. Details of the structures are found in Section 3-6.

## **2.6 Acknowledgement of Messages**

Messages (transactions), exchanged in commercial business, generally require an acknowledgement (confirmation) of receipt. For the exchange of data and information, one or more messages forming an Interchange will be sent.

### **Interchange level**

The Interchange will be acknowledged and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Message level**

At message level, an acknowledgement will be generated and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Data Element Level**

At data element level, the User's application programs have to cope with any checks in regard to format, value and logical relationship.



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The clarification of any errors found can be achieved by use of the ERRNLT Message, by exchanging free text information (using the special free text message "FREETX") or by utilising the existing order administration transactions (see also Appendix 2, Annex F).

### **Error Conditions**

To comply with the rules of minimum data transmission following the receipt of an ERRNLT or CONTRL message, the original Key Data plus relevant CHANGE CODE plus the corrected Segment or Data Unit only need to be transmitted. (see also Appendix 2, Annex F, para. 5.5 for full explanation).

Note - the CHANGE CODE is not always specified in the Message Description Sheets.

Rules for the use of CHANGE CODE can be found in Appendix 2, Section 3, para. 4.4.

### **2.7 Pricing by Composite Currencies**

Instances may occur, particularly in multi-national projects, where a UNIT PRICE for a major assembly is not quotable as a single UNIT PRICE. The price for the assembly being a composite of separate additive values in the currencies of its constituent components. In such instances the Composite Data Element - ADDITIVE UNIT PRICE/ CURRENCY CODE will be used.

**SECTION 3-2**  
**ORDER PLACEMENT AND AMENDMENT**  
**CONTENTS**

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## **ORDER PLACEMENT AND AMENDMENT**

### **1. PURPOSE**

- 1.1 Standard formats are provided in this Specification for the conduct of a logical sequence of transactions in order placement and amendment. Both the formats and their sequence apply whether the order arises in the Initial Provisioning, Reprovisioning or Repair and Overhaul process. The transactions available for order placement and the subsequent amendment of those orders are fully described in this section.
- 1.2 Each transaction is identified by a Command Code which indicates the specific purpose it has been designed to achieve. The suite of transactions and the applicable Command Codes are shown in matrix form in Section 3-6 and are prefixed "S". The direction of the transactions, Customer to Contractor or vice-versa, is indicated by an arrow associated with a footnote to the matrix. The appropriate Command Codes are also included in the descriptions which follow.

### **2. TRANSACTIONS**

#### **2.1 Order Placement - SA1**

- 2.1.1 This transaction offers a Customer the capability of placing his order, in a standard format, directly onto a Contractor's computer-based Order Administration system. The Data Units to be included, either as mandatory, conditional or optional, will be found in matrix form in Section 3-6.
- 2.1.2 Only one order, with a unique Order Number, may be placed using a single SA1 transaction. Each transaction may only have one Part Number in conjunction with an NSCM and /or NSN.
- 2.1.3 The total Order Quantity identified in Level 1 may be requested with a number of Level 2 segments. A minimum of one Level 2 segment must always be specified.
- 2.1.4 Receipt of a valid order, in the format described in this Specification, is the Contractor's authority to proceed with the procurement, manufacture, repair or overhaul of the item ordered, to ship on completion and to invoice the Customer.
- 2.1.5 Order placement for Repair and Overhaul uses the same SA1 transaction. The extent and nature of the work required is specified by appropriate Status/Advice Codes. Further detail may be given in clear text in the Remarks field.
- 2.1.6 A separate repair order should be raised for each single serial numbered unit of equipment which the Contract requires to be individually monitored through the repair process.
- 2.1.7 An Order (SA1), placed following a Quotation (SK1/SL1 message pair), need contain no more than Key data, Quotation Number, Quotation Date and Mandatory Data Elements, as detailed in the message structure.

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- 2.1.8 An Order (SA1), placed following a Customer Price List (SM1/SN1 message pair), need contain no more than Key data, the CPL Reference Number, the CPL Addendum/Amendment Number and Mandatory Data Units, as detailed in the message structure.

### **2.2 Order Acceptance - SA2**

- 2.2.1 This transaction is used by the Contractor to inform the Customer that he is able to accept the Order. Use, or otherwise, of an 'Order Acceptance' transaction should be detailed in the Contract or Project Related Procedures agreed between the Customer and Contractor. Where such a requirement is not specified, acceptance of an order will be assumed, in the absence of an Order Rejection (SA3), within a timeframe detailed in the Contract or Project Related Procedures.
- 2.2.2 The Contractor shall provide a Forecast Delivery Date (FDD) against each order, within 3 months of automatic acknowledgement, or as specified in the Contract. This shall be done by either an Order Acceptance (SA2) or an Advice of Change (SA4), unless an Order Rejection (SA3) has been transmitted in the interim.
- 2.2.3 The Acceptance should restate and confirm the conditions defined by the SA1 and must not vary from the total Part No/NSN quantity requested. However it may offer additional information in respect of how the Order will be satisfied. Commonly, this will be the provision of the level 2 Delivery Schedule with associated FDDs which may differ from the level 2 segments requested by the SA1.

### **2.3 Order Rejection - SA3**

- 2.3.1 This transaction is used by the Contractor to inform the Customer that he is unable to accept the order. If required, it shall be used within two weeks of receipt of the order.
- 2.3.2 The Contractor will normally indicate his reasons for rejecting an order by means of Status/Advice Codes in his SA3 transaction. A Customer should thus be enabled to place a fresh order.

### **2.4 Advice of Change - SA4**

- 2.4.1 This transaction is used by the Contractor to inform the Customer of changes in, or additions, to the original order details normally as these occur.
- 2.4.2 Such changes, or additions, may simply be reflected in changes in certain data elements. A list of Status/Advice Codes available for this purpose appears in the Data Dictionary.
- 2.4.3 The SA4 transaction is used to inform the Customer of executive changes that have been made. These are data element changes that are considered to be within the Contractor's competence to provide. For non-executive changes, the Contractor is obliged to seek the Customer's agreement by means of an order amendment request. Price data must reflect previously approved agreements, e.g. Quotations, CPL's, etc.

- 2.4.4 The classification of executive and non-executive changes should be contained in the Contract or Project Related Procedures agreed between the Customer and Contractor.
- 2.4.5 In the case of Part Number changes, however, the Contractor may use an SA4 transaction to specify changes only between items having an Interchangeability (ICY) 9-9 relationship. In all other cases, the order amendment request procedure is to be used.
- 2.4.6 An initial Advice of Change, which shall include a Forecast Delivery Date (FDD), shall be transmitted within 3 months of automatic acknowledgement of an order, unless already provided by means of an SA2 transaction or Shipment Advice (SJ1).
- 2.4.7 Advice of Change against a repair order will generally be required when an initial Forecast Delivery Date can not be given at order acceptance, has to be revised or where specific holding factors exist. The appropriate Status/Advice Codes are found in the Data Dictionary.

## **2.5 Introduction to Order Amendment Routines**

The preceding paragraphs fully describe the Order Placement and associated transactions, SA1 - SA4.

- SA1 - Placement
- SA2 - Acceptance
- SA3 - Rejection
- SA4 - Advice of Change

- 2.5.1 The following paragraphs describe the transactions required, using the same principles previously described, for the request and acceptance of non-executive order data changes.
- 2.5.2 Each Request for Amendment must contain a unique Amendment Number within the Order, so that the response can be linked with the request. The Amendment Number does not impose on the recipient the sequence in which the Amendment Request is to be processed.
- 2.5.3 The detailed procedure for order amendments (including the concurrency of outstanding amendments) and the classification of non-executive data fields should be contained in the Contract or Project Related Procedures agreed between the Customer and the Contractor.
- 2.5.4 To clearly identify the requirement of any change transaction, the appropriate Segment Level Keys should be specified in association with the Change Code.

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### 2.6 Order Amendment - General Information

2.6.1 Data Default Rules. It is a principle of AECMA that only minimum data should be transmitted. It is also policy that data common across lower segments should be consolidated into a single value at a higher segment. To meet this requirement it is necessary to stipulate the following guidelines:

- If non-key data is recorded in an Amendment Message at Level 0, it will apply to all Level 1 and 2 segments where the data unit could be recorded but does not actually appear. If the same non-key data unit is contained at Level 0 and also in one or more lower Level segments, the value of the data unit in the lower Level segment will take precedence for the specific segment in which it appears and in any subordinate segment.
- If non-key data is recorded in an Amendment Message at Level 1, it will apply to all Level 2 segments where the data unit could be recorded but does not actually appear.
- If non-key data is recorded in an Amendment Message at Level 2, it will apply only to the Level 2 segment identified.

2.6.2 Non-Deletion of Segments. A segment may not be deleted during the life of an order. If a segment is no longer appropriate, the relevant Quantity data element should be reduced to zero.

2.6.3 Change Codes. Amendment messages are designed to meet two requirements: to amend, or add, one or more data units or to create new segments. The formats of the messages differ between these two functions and are identified by the Change Code (CHG). Details of Change codes and Data Updating are shown in Appendix 2, Section 3, para. 4.4.

- A Change Code value "N" identifies the creation of a new segment.
- A Change Code value "R" identifies the segment in which one or more TEI's are to be amended.
- A Change Code value "U" identifies segments which will be unaffected by the amendment but which have to be transmitted; only Key Data need be transmitted, all other data units in the segment (including those classified as Mandatory) will be treated as Optional.
- A Change Code value "D" will not be used in Chapter 3 transactions/messages.

2.6.4 Segment Level Keys. Segment Level Keys (SLK) are designed to uniquely identify each segment below Level 0 (which itself is always identified by its own key). The Level 1 and 2 Sequence Numbers, within the Segment Level Key, are both unique within the Level 0.

## **2.7 Order Amendment Request by Customer - Quantity Increase - SB1**

2.7.1 This transaction is to be used by the Customer only to request an increase in the Order Quantity (the sum of all Level 1 quantities) and one or more related Level 2 QTY/s required in the current Order situation to which reference is made. Other amendments affecting the change in the Quantity are to be included in this message. It shall be raised within one month after automatic acknowledgement (CONTROL - Message, Action Code A) of the order; later requirements will be the subject of a fresh order.

2.7.2 The new quantity shall be the Customer's current order requirement for the Part Number/ NSN specified.

2.7.3 The Command Codes by which the appropriate follow-on transactions are made available are:

- SB2 - Acceptance (see para. 2.2)
- SB3 - Request Rejection (see para. 2.3)

## **2.8 Order Amendment Request by Customer - Quantity Decrease or Cancellation - SC1**

2.8.1 This transaction is to be used by the Customer only to request a reduction in the Order Quantity (the sum of all Level 1 quantities) and one or more related Level 2 QTY/s required in the current Order situation to which reference is made. Other amendments affecting the change in the Quantity are to be included in this message.

2.8.2 The new quantity shall be the Customer's current order requirement for the Part Number/ NSN specified.

2.8.3 The Command Codes by which the appropriate follow-on transactions are made available are:

- SC2 - Acceptance (see para. 2.2)
- SC3 - Request Rejection (see para. 2.3)

## **2.9 Order Amendment Request by Customer - Other Data - SD1**

2.9.1 This transaction is to be used by the Customer to request amendments to order data when the Order Quantity (the sum of all Level 1 quantities) is not affected. It is also the transaction for submitting diversion requests.

2.9.2 Diversion requests are requests by a Customer to accelerate, split, and/or divert deliveries against orders already placed and accepted. In submitting such requests, the Customer shall create a unique Diversion Number for each partial delivery quantity concerned, as well as indicating required changes in priorities, delivery dates, addresses and shipment requirements.



## **SPECIFICATION 2000M**

2.9.3 The Command Codes appropriate to the follow-on transactions are:

- SD2 - Acceptance (see para. 2.2)
- SD3 - Request Rejection (see para. 2.3)

2.9.4 In the event of the Contractor's acceptance of the amendment request, an SA4 transaction may probably be required to inform the Customer of revised Forecast Delivery Date(s).

### **2.10 Order Amendment Requests by Contractor - SE1, SF1, SG1**

These transactions mirror the amendment requests by the Customer described above, i.e.:

- SE1 - is the Contractor's equivalent to a Customer's SB1  
(except that there is no time constraint)
- SF1 - is the Contractor's equivalent to a Customer's SC1
- SG1 - is the Contractor's equivalent to a Customer's SD1

Except that they are initiated by a Contractor, they are transmitted and handled in the same way. A similar suite of follow-on transactions is available in each case. Details appear in Section 3-6.

**SECTION 3-3**  
**STATUS INFORMATION AND HASTENING**  
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## STATUS INFORMATION

### 1. PURPOSE

The purpose of this section is:

To describe the transactions designed to allow a Customer to request order status information from a Contractor.

To allow a Customer or a Contractor to hasten outstanding transactions.

### 2. STATUS INQUIRY TRANSACTIONS

#### 2.1 Status Inquiry - SH1

2.1.1 The Status Inquiry, as its name suggests, is used by a Customer to seek status information concerning either a specific order or a specific item which may be the subject of several orders or against one specific delivery line (Level 2 Segment) within an order.

2.1.2 The Customer will specify his precise requirements by means of specific data units. The Contractor will provide the appropriate response (SH4/SH5) as requested by the SH1. The Customer may specify additional requirements by an appropriate Status/Advice Code. Specific combinations of Request Message Data may be decided for individual projects and will be stated in Project Specific Procedures. Only certain data units are to be used to obtain status information against an order. The permitted usage/combinations of data units are detailed in the following table:

#### Allowable Combinations of Request Message Data

##### REQUEST MESSAGE DATA

##### RESPONSE MESSAGE DATA

##### IPO

If only the IPO is contained in the SH1, an SH4 will be produced which will contain all the data held for each item in the specified Order.

##### NSN and/or Part Number

This combination of Request Message Data will produce an SH5 which will contain all the data held for each Order (from those Orders originated by the initiator of the SH1) which contains the specified item identification data.

##### IPO and NSN and/or Part Number

This combination of Request Message Data will produce an SH4 for the item identified in the SH1. Since the Item Identification Number (NSN or Part No) may not be unique within the order, data for that item may be provided more than once for the specified Order.

##### IPO and SLK

1. This combination of Request Message Data will produce an SH4 for the specified Order Number and the item which is uniquely identified by the specified Segment Level Key. The NSN and/or Part Number need not be included in the SH1.

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### **IPO and SLK and DATA UNITS**

1. This combination of Request Message Data will produce an SH 4 which contains the Data Units requested.
2. If the SLK identifies a Level 1 Segment, then the data returned in the SH4 will be that related to the Level 1 Segment specified and all its subordinate Level 2 Segments.
3. If the SLK identifies a Level 2 Segment, then the data returned in the SH4 will be only that which complies with the Data Units contained in the SH1 for the specified Level 2 Segment. The appropriate Level 1 Segment Key Data will also be provided to ensure that the composition of the message complies with the construction detailed in the relevant Branching Diagram.

2.1.3 Price Inquiries will be placed using the SP1-transaction (refer to Chapter 2, Section 2-4).

2.1.4 Payment Status Inquiries will be placed using the SY1-transaction (refer to Chapter 4, Section 4-2).

2.1.5 The SH1 transaction, in combination with an appropriate Status/Advice Code, will also be used to request order status information with respect to Provisioning activities related to the introduction of modifications (refer to Chapter 1).

### **2.2 Status Advice - SH4 (By Order)**

2.2.1 Acceptance or rejection of Status Inquiries is not required. Hence, the Contractor responds with transaction SH4, in which the specific information requested by the Customer is again identified by means of corresponding Status/Advice Codes.

2.2.2 If necessary, status information may be augmented by use of clear text in the Remarks field.

2.2.3 In the event that the required information is not available, a Status/Advice Code will signify this fact in the SH4 at Level 0. In this instance, Levels 1 and 2 will not be transmitted.

### **2.3 Status Advice - SH5 (By Item)**

- 2.3.1 This transaction is a specific response to a Customer inquiry SH1 for status information concerning exclusively a Part Number and or NSN.
- 2.3.2 If necessary, status information may be augmented by use of clear text in the Remarks field.
- 2.3.3 In the event that the required information is not available, or that no orders exist for the quoted Part Number/NSN, a Status/Advice Code will signify this fact in the SH5 response message at Level 0. In this instance, Levels 1 and 2 will not be transmitted.

### **3. HASTENING TRANSACTIONS**

There may be occasions when it is necessary to hasten the response (eg. SA2) to an initial message (eg. SA1). This hastening requirement will be met by SH6 and SH7 messages which are used by Customers and Contractors respectively.

If it is also necessary to initiate the transmission of an initial message (eg. an SR1 has been received but the matching SA1 is outstanding) this will be met by SH8 or SH9 messages which are used by Customers and Contractors respectively.

There will be no special "Hastening Response" message. The reaction to the SH6 and SH7 will be the outstanding response. The reaction to the SH8 and SH9 will be the transmission of the outstanding initial message. The non-availability of data will be identified by an Advice Code and/or Remarks at Level 0 of the outstanding message/response.

These transactions are designed for use in chapters 2, 3 and 4 of SPEC 2000M.

#### **3.1 Hastener Customer to Contractor to hasten a follow on transaction - SH6**

- 3.1.1 This transaction is designed to enable a Customer to hasten the Contractor to respond with any outstanding message.
- 3.1.2 The Customer will specify the Command Code of the message being progressed as a Data Unit in the SH6. Additional data elements will be included in the SH6 for use as processing keys (eg. Order Number). The table at the end of this section identifies all hastening activities and the appropriate processing keys which may be used to achieve the desired response.

#### **3.2 Hastener Contractor to Customer to hasten a follow on transaction - SH7**

The Contractor will use the SH7 message to hasten responses/outstanding messages in the same way as outlined in para 3.1 above.

**3.3 Hastener Customer to Contractor to hasten an initial transaction - SH8**

3.3.1 This transaction is designed to enable a Customer to request a Contractor to initiate any outstanding message.

3.3.2 The Customer will specify the Command Code of the message he requires the Contractor to initiate as a Data Unit in the SH8. Additional data elements will be included in the SH8 for use as processing keys.

**3.4 Hastener Contractor to Customer to hasten an initial transactions - SH9**

The Contractor will use the SH9 message to request a Customer to initiate an outstanding message in the same way as outlined in para. 3.3 above.

**3.5 Matrix of Keys which may be used when Hastening a Message**

The following table identifies the message to which a response/reaction is required, the message which is outstanding and the Key Data required to produce the response. The reaction messages identified with “\*” will be the subject of Project Specific Documentation.

**SH6 Message Guidelines****Chapter 2**

## Procurement Planning

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SK1	SL1 SK3	RQN			
SM1	SN1 SM3	CRE/CAA RQN	MOI	SRU	PCN
SP1	SP4	QNO, SQN	CRE/ CAA	IPO	

**Chapter 3**

## Order Administration

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SA1	SA2 SA3	IPO  IPO	CRE/CAA		
SB1/SC1/ SD1	SB2/SB3 SC2/SC3 SD2/SD3	IPO	AMN		
SH1	SH4/SH5	IPO	SQN		
SR1	SR4	DIU	IPO		

**Chapter 3**

## Mutual Support

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SU1	SV1 SU3	RQN			

**Chapter 4**

Invoicing  
no use of SH6 in Invoicing



## SPECIFICATION 2000M

### SH7 Message Guidelines

#### Chapter 2

##### Procurement Planning

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SN1	SN2/SN3	CRE/CAA			

#### Chapter 3

##### Order Administration

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SE1/SF1/ SG1	SE2/SE3 SF2/SF3 SG2/SG3	IPO	AMN		
SJ1	SJ4	DIU	IPO		

#### Chapter 3

##### Mutual Support

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SV1	SV3	ORU	RQN		

#### Chapter 4

##### Invoicing

RESPONSE TO	MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SX1	SX2/SX3	INR	IDT	ISU	
SW1	SW2/SW3	INR	IDT	ISU	
SY1	SY2	INR	IDT	ISU	

**SH8 Message Guidelines****Chapter 2**

## Procurement Planning

Note: No use of SH8 in Chapter 2 applications

**Chapter 3**

## Order Administration

INITIAL MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SA4*	IPO	AMN		
SE1*/SF1*/ SG1*	IPO	SLK		
SJ1	DIU	IPO		
ST1	DIU	IPO		

## Mutual Support

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SS1*	PNR/MFU NSN	MOI		

**Chapter 4**

## Invoicing

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SX1*	DIU	PPI/PPM	IPO	
SW1*	INR	IDT	ISU	

## SPECIFICATION 2000M

### SH9 Message Guidelines

#### Chapter 2

##### Procurement Planning

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SM1*	CRE/CAA	MOI	SRU	PCN
SK1*	PNR/MFU NSN			

#### Chapter 3

##### Order Administration

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SA1*	IPO DIU	PNR/MFU NSN	MOI	PCN
SR1*	DIU	IPO	PNR/MFU NSN	
SB1*/SC1*/SD1*	IPO	SLK	PNR/MFU NSN	

##### Mutual Support

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SS1*	PNR/MFU NSN			

#### Chapter 4

##### Invoicing

MESSAGE OUTSTANDING	REQUEST MESSAGE DATA UNITS			
SY4*	INR	IDT	ISU	

**SECTION 3-4**  
**SHIPMENT INFORMATION**  
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## **SHIPMENT INFORMATION**

### **1. PURPOSE**

- 1.1 The purpose of these transactions is to provide the necessary shipment advice, acknowledgement of goods received and Noticol message, which occurs between one party making a shipment or release of goods (Consignor) and one in receipt of these goods (Consignee).
- 1.2 In this section the terms 'Consignor' and 'Consignee' are used in lieu of Contractor and Customer.  
A 'Consignor' is a party that performs the release of goods.  
A 'Consignee' is a party that performs the receipt of goods.
- 1.3 For ease of understanding, the release of goods transaction (SJ1) is initiated by a Contractor and the acknowledgement of goods received transaction (SJ4) is initiated by a Customer. The converse is true for SR1/SR4 transactions. Typically, the SJ1 transaction would be for new spares or assets from Repair and Overhaul. The SR1 transaction would be used for shipment of goods requiring Repair and Overhaul or being returned for other reasons (e.g. damaged goods, overdeliveries etc.).

### **2. TRANSACTIONS**

#### **2.1 Shipment Advice by Contractor/Consignor - SJ1**

This transaction is used by the Contractor (as Consignor) to convey shipment advice relating to an order to the Customer (as Consignee). The transaction is used to advise shipments of either new spares or assets returned from Repair and Overhaul. A single SJ1 may contain one or more DIUs.

#### **2.2 Acknowledgement of Goods received by Customer/Consignee - SJ4**

- 2.2.1 This transaction is the only Consignee response required to an SJ1 and advises the Consignor (Contractor) that receipt of goods has been effected against a single DIU specified in his SJ1. The transaction is used to advise receipt of either new spares or assets returned from Repair and Overhaul.
- 2.2.2 Where discrepancies arise between the shipments advised and those actually received, the Consignee will provide details by means of Status/Advice Codes and/or clear text in the Remarks field. In an instance of a discrepant receipt, the consignee will advise the consignor of either the case numbers received or not received (whichever is the least), identified by a Status/Advice Code.

#### **2.3 Shipment Advice by Customer/Consignor - SR1**

In a similar fashion to the SJ1, the SR1 transaction is used by the Customer (as Consignor) to convey shipment advice to the Contractor (Consignee). The transaction is used for the return of delivery discrepancies/spares/damaged goods or assets for Repair and Overhaul.

## **SPECIFICATION 2000M**

When SR1 is used to convey shipment advice for an item for Repair and Overhaul, the link between the SR1 and the order for Repair and Overhaul, sent via SA1, is the Order Number.

### **2.4 Acknowledgement of Goods received by Contractor/Consignee - SR4**

Paragraph 2.2 above applies, except that in this instance the Contractor acts as Consignee.

### **2.5 Notification for Collection (Noticol) - ST1**

The Noticol is transmitted by a Consignor, normally the Contractor, to a Carrier to signify that goods are ready for collection. The transaction is consignment related, not order related.

**SECTION 3-5**  
**FLOW CHARTS**  
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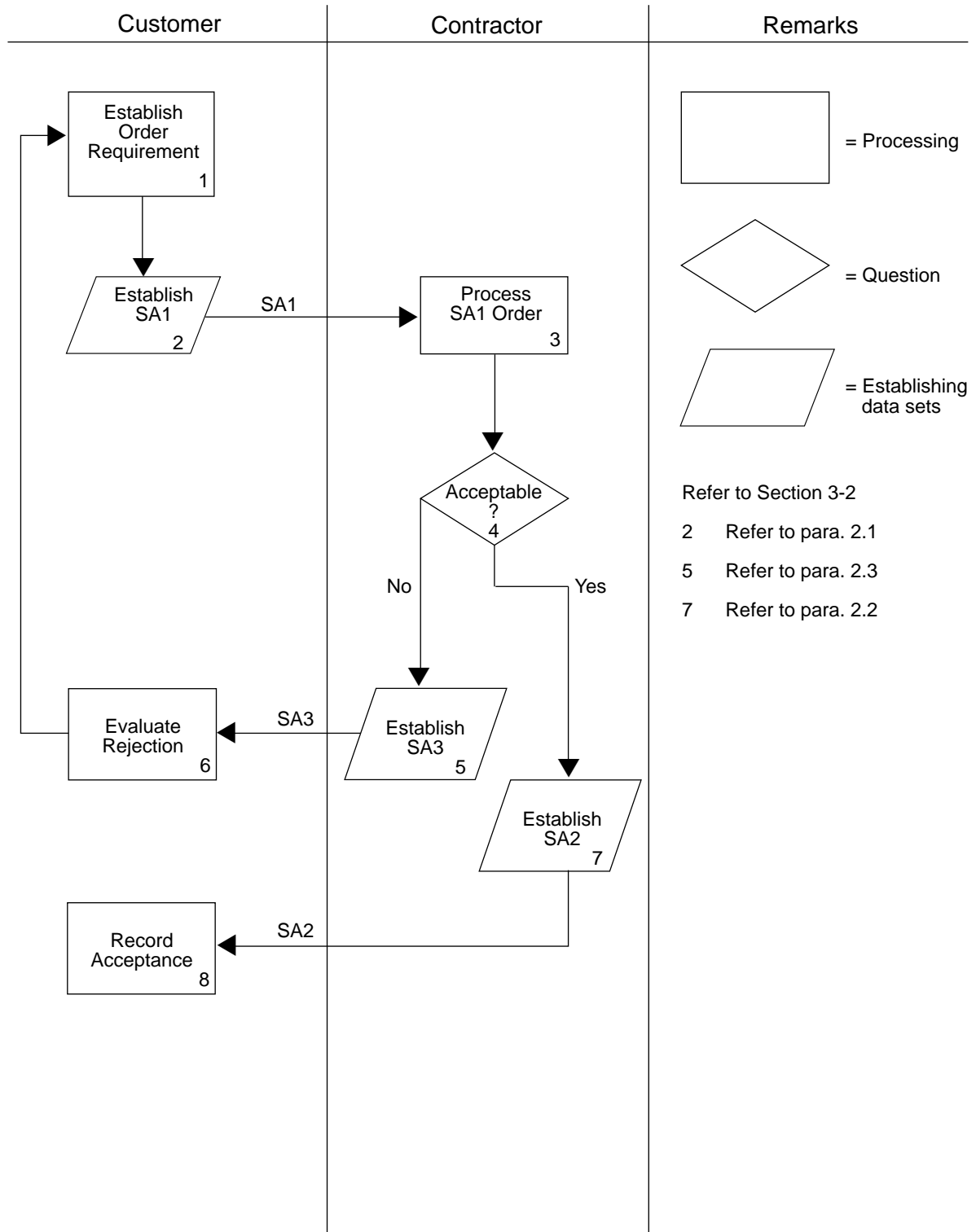
**NOTE**

The following Flow Charts give a general outline on the sequence of events relevant to the activities within Order Administration.

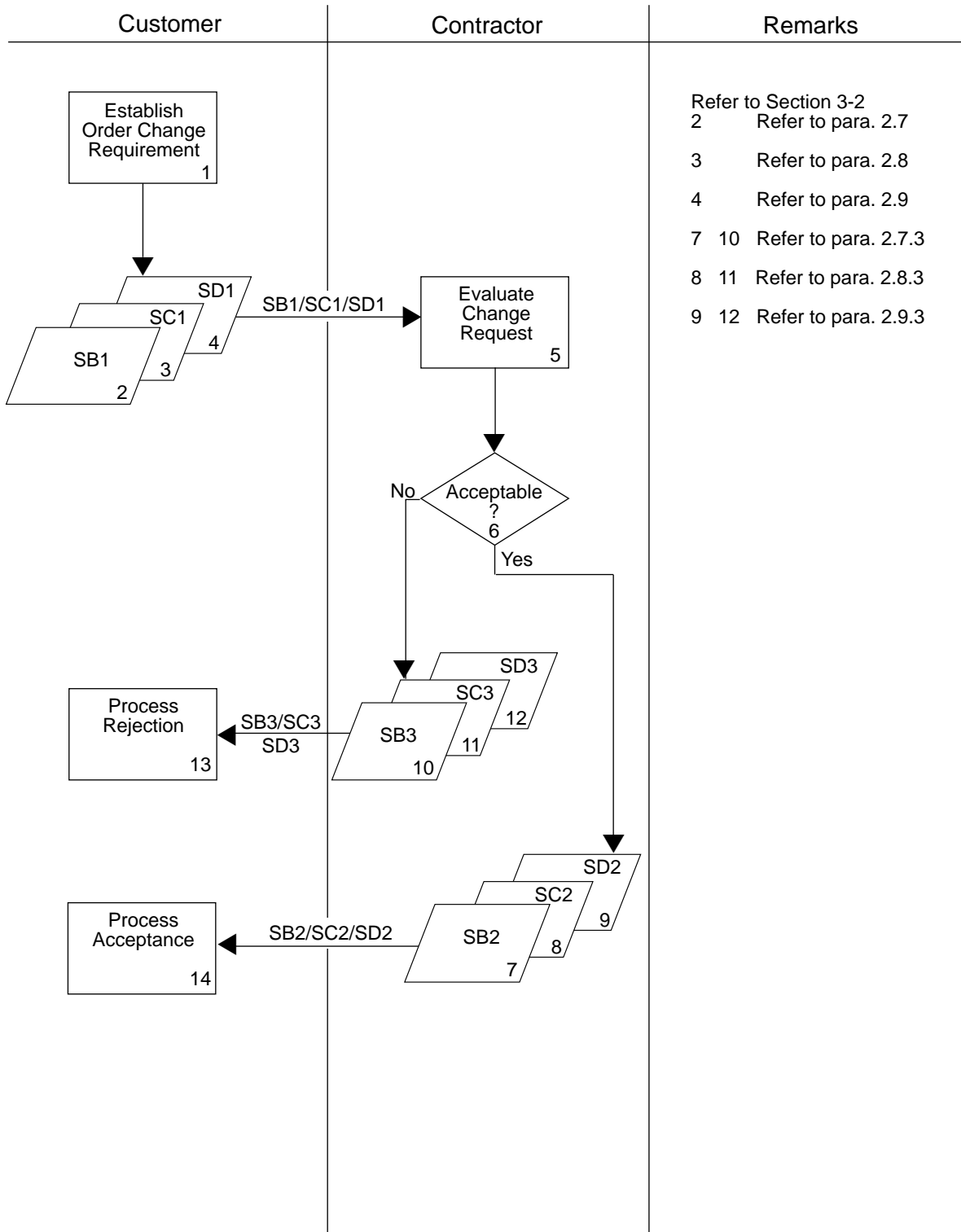
They are not a substitute for the written paragraphs preceding this section.

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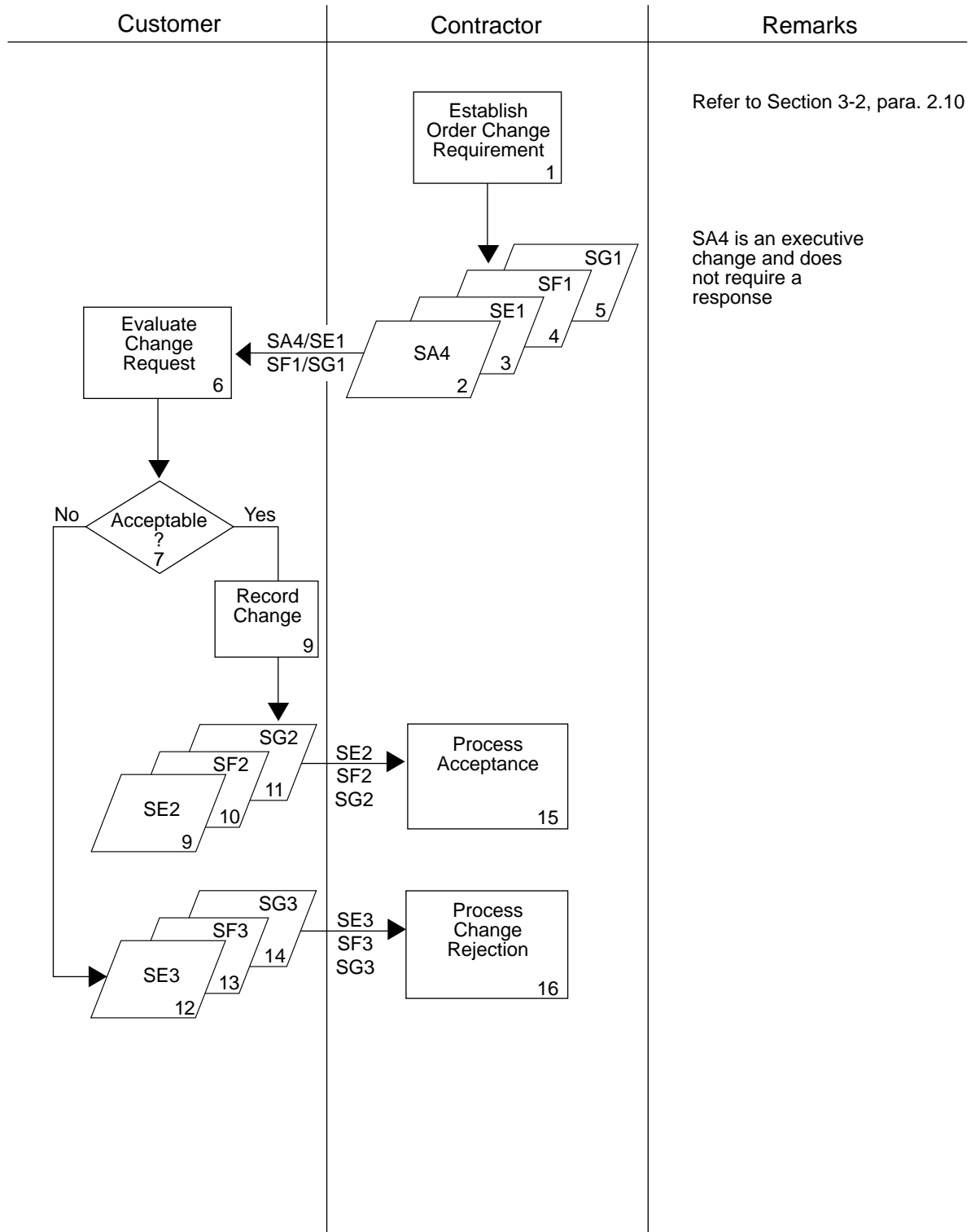
# 1. ORDER PLACEMENT



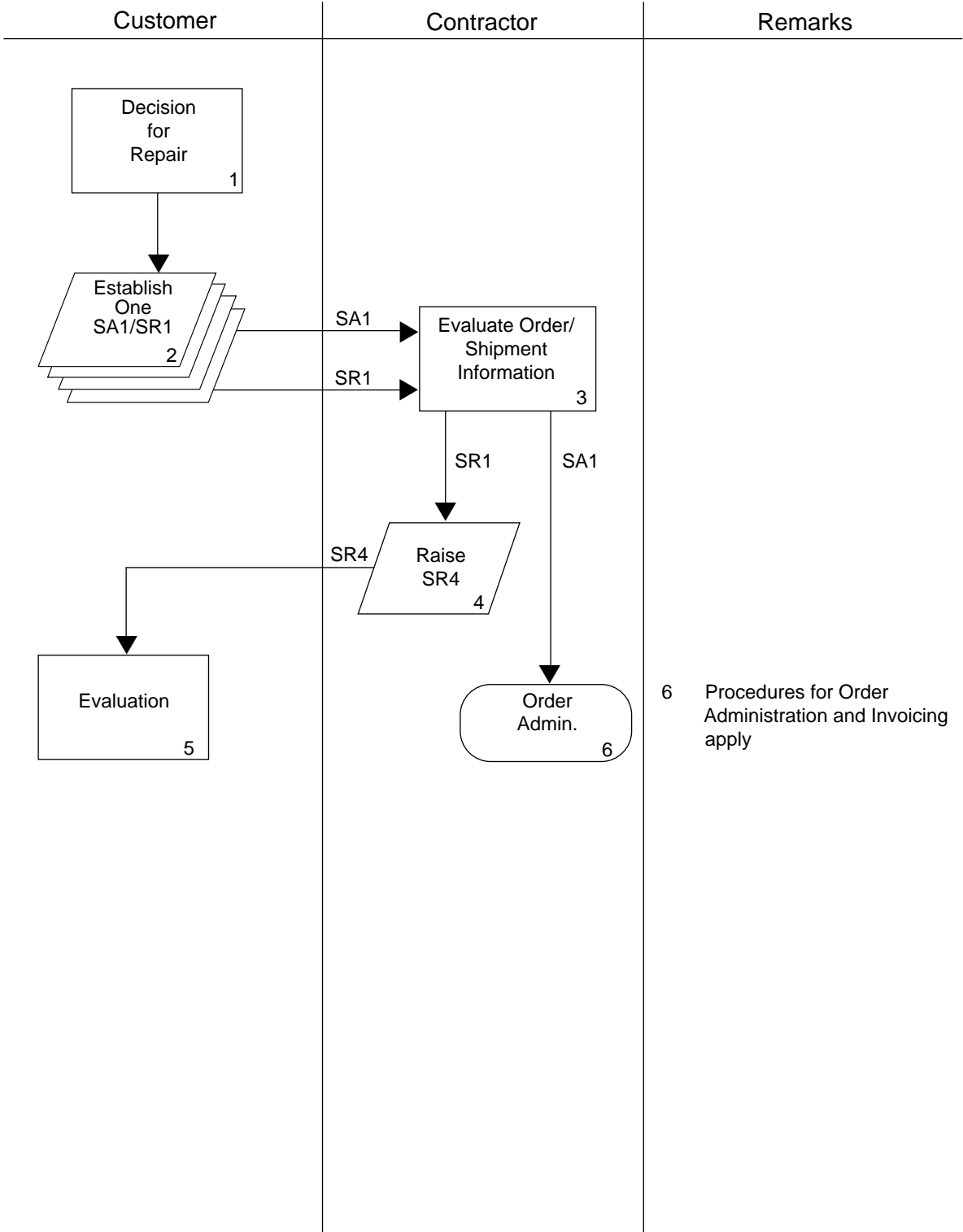
## 2. ORDER AMENDMENTS BY CUSTOMER



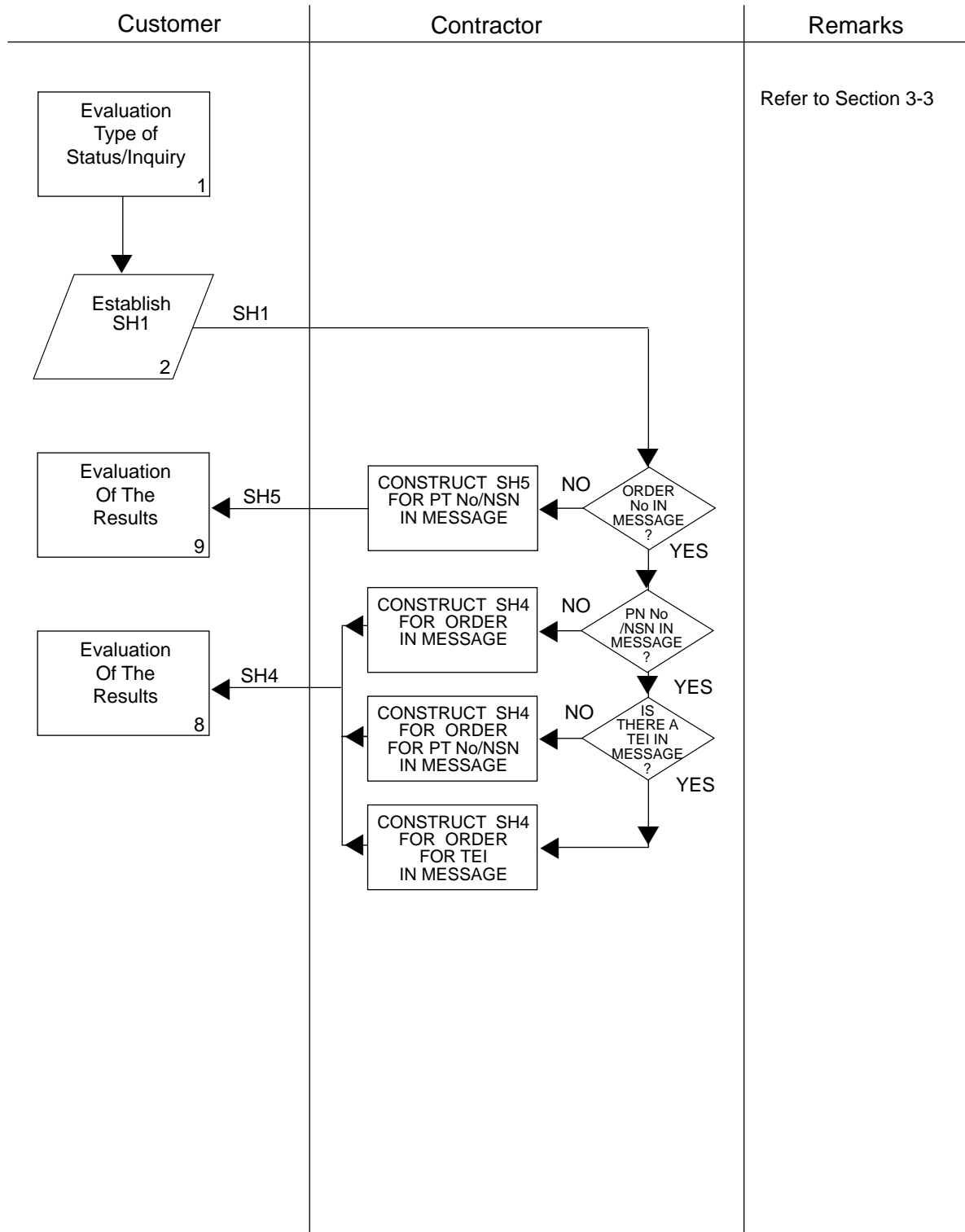
### 3. ORDER AMENDMENTS BY CONTRACTOR



4. REPAIR ORDER PLACEMENT



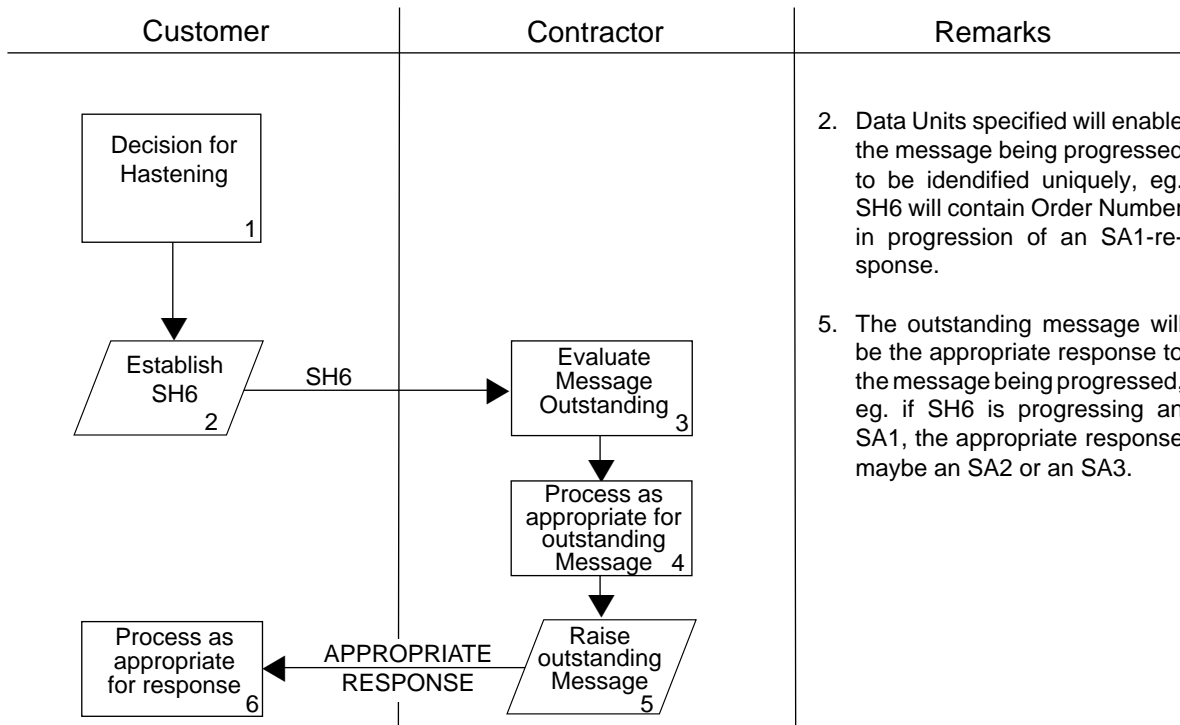
## 5. PROCESSING OF SH1 MESSAGE TO PRODUCE RESPONSE



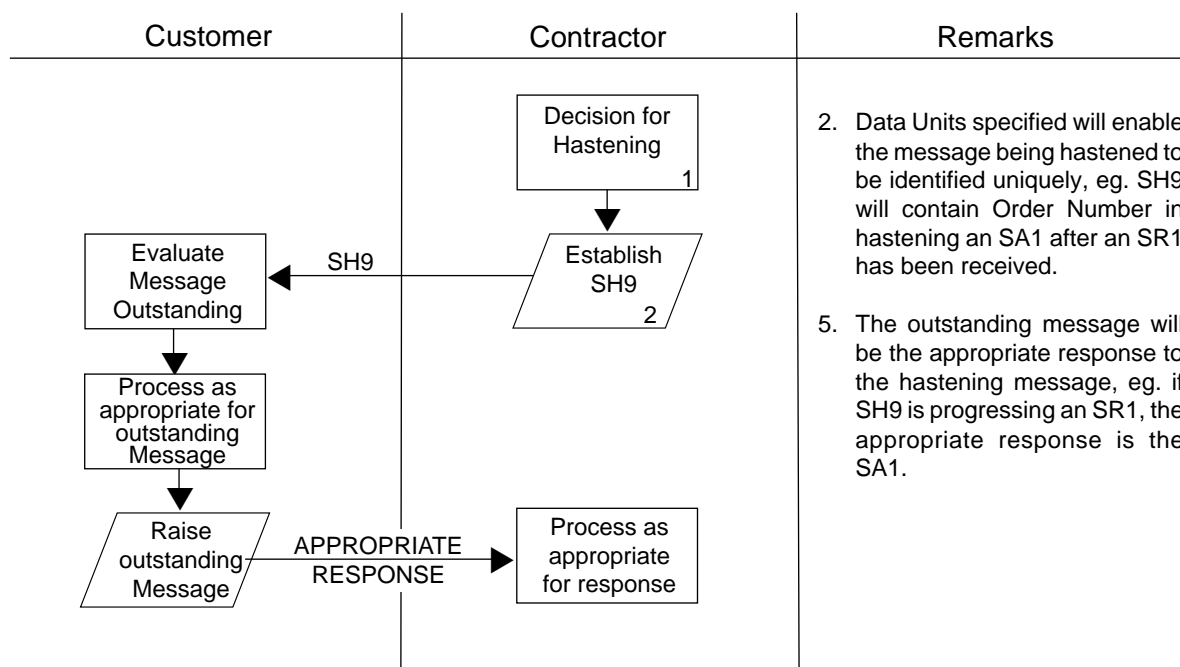


## 6. HASTENING MESSAGES

### 6.1 Hastener to hasten a follow on transaction

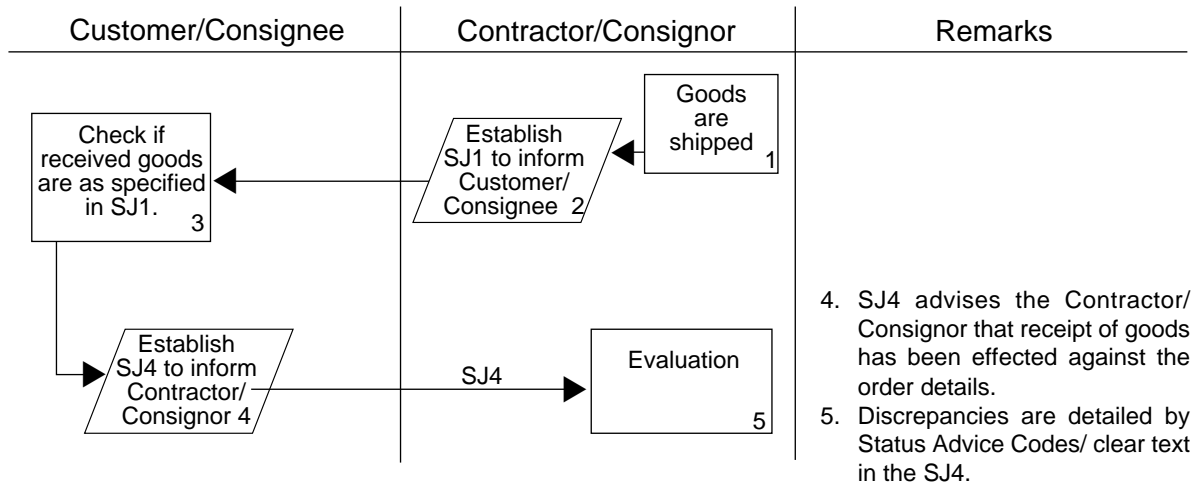


### 6.2 Hastener to hasten an initial transaction

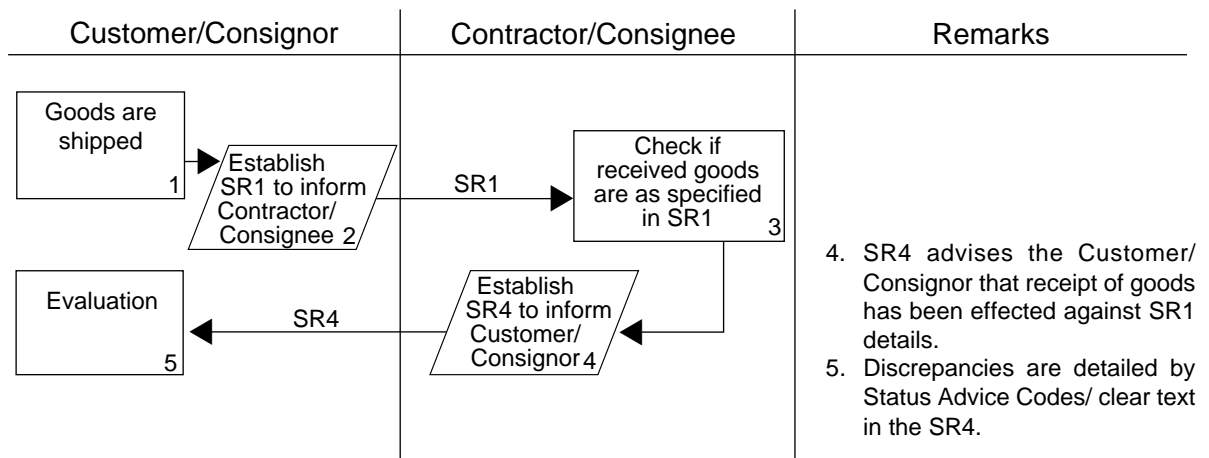


## 7. SHIPMENT INFORMATION

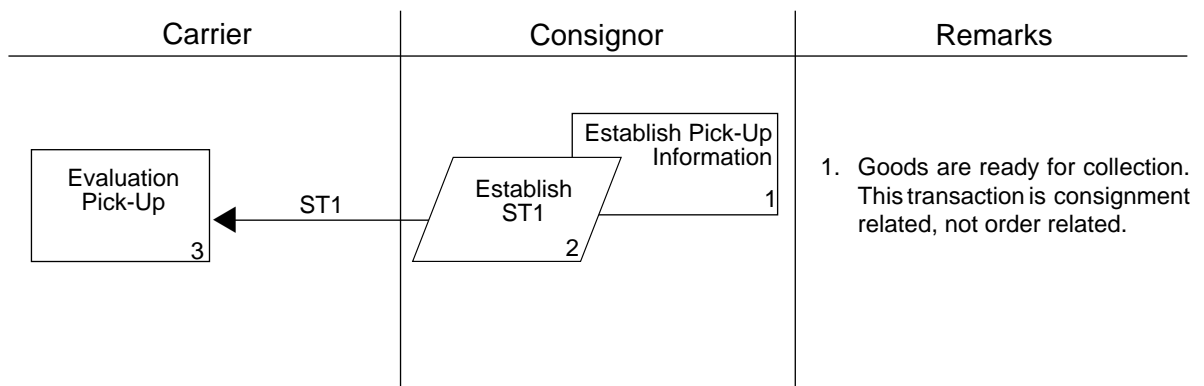
### 7.1 Shipment Advice by Contractor



### 7.2 Shipment Advice by Customer



### 7.3 Notification for Collection (Notical)



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## SECTION 3-6

### TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

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## **TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES**

### **1. PURPOSE**

The procedures for the transmission of data are described in Appendix 2, Communication Techniques.

This section indicates the structure and the segmentation of all transactions for Order Administration as well as the data elements belonging to each transaction.

For ease of understanding this section is presented as follows:

Para 2: Transactions and Command Codes

Para 3: Data Element Incidence Matrix

Para 4: Message Structures

Para 5: Branching Diagrams

### **2. TRANSACTIONS AND COMMAND CODES**

#### **2.1 Purpose**

This paragraph defines the interrelationship between Command Codes and transactions.

#### **Transactions**

The administration of orders normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages called transactions.

#### **Command Codes**

Individual transactions are clearly identified by means of Command Codes.

The relationship between transactions and Command Codes is outlined in paragraph 2.2.

## SPECIFICATION 2000M

### 2.2 Transactions and Command Codes for Order Placement and Amendment, Status Information and Hastening

		ACCEPTANCE *	REJECTION	STATUS ADVICE (SH) ADVICE OF CHANGE (SA)	REMARKS
ORDER PLACEMENT	→ SA1	← SA2	← SA3	← SA4**	
ORDER AMENDMENT REQUEST BY CUSTOMER - QUANTITY INCREASE	→ SB1	← SB2	← SB3		SB1 WITHIN 1 MONTH AFTER ORDER ACKNOWLEDGEMENT
ORDER AMENDMENT REQUEST BY CUSTOMER - QUANTITY DECREASE/CANCELLATION	→ SC1	← SC2	← SC3		
ORDER AMENDMENT REQUEST BY CUSTOMER - OTHERS	→ SD1	← SD2	← SD3	← SA4***	
ORDER AMENDMENT REQUEST BY CONTRACTOR - QUANTITY INCREASE	← SE1	→ SE2	→ SE3		
ORDER AMENDMENT REQUEST BY CONTRACTOR - QUANTITY DECREASE/CANCELLATION	← SF1	→ SF2	→ SF3		
ORDER AMENDMENT REQUEST BY CONTRACTOR - OTHERS	← SG1	→ SG2	→ SG3		
STATUS INQUIRY	→ SH1			← SH4**** ← SH5****	
HASTENING	→ SH6,SH8 ← SH7, SH9				

1. CUSTOMER TO CONTRACTOR →  
CONTRACTOR TO CUSTOMER ←
2. \* ACCEPTANCE IS ASSUMED IF A REJECTION IS NOT RECEIVED WITHIN A TIME LIMIT TO BE AGREED. TRANSMISSION OF THESE TRANSACTIONS IS OPTIONAL.
3. \*\* TRANSMISSION OF FORECAST DELIVERY DATE.
4. \*\*\* TRANSMISSION OF REVISED FORECAST DELIVERY DATE.
5. \*\*\*\* RESPONSE OF SH4 OR SH5 IS DEPENDENT ON STRUCTURE OF ORIGINAL SH1 (i.e. IF SH1 QUOTES ORDER NO. THEN SH4 RESPONSE APPLIES, IF SH1 ONLY QUOTES PART NO. AND/OR NSN THEN SH5 RESPONSE IS APPLICABLE).

### 2.3 Transactions and Command Codes for Shipment Information

	SHIPMENT ADVICE	NOT USED	NOT USED	ACKNOWLEDGEMENT OF RECEIPT
SHIPMENT ADVICE (SJ1) ACKNOWLEDGEMENT OF GOODS RECEIVED (SJ4)	← SJ1			→ SJ4
SHIPMENT ADVICE (SR1) ACKNOWLEDGEMENT OF GOODS RECEIVED (SR4)	→ SR1			← SR4
NOTIFICATION FOR COLLECTION (ST1)	ST1			

SJ1: CUSTOMER/CONSIGNEE ← CONTRACTOR/CONSIGNOR  
 SJ4: CUSTOMER/CONSIGNEE → CONTRACTOR/CONSIGNOR  
 SR1: CUSTOMER/CONSIGNOR → CONTRACTOR/CONSIGNEE  
 SR4: CUSTOMER/CONSIGNOR ← CONTRACTOR/CONSIGNEE  
 ST1: CONSIGNOR TO CARRIER



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### 3. DATA ELEMENT INCIDENCE MATRIX ORDER ADMINISTRATION

MESSAGE IDENTIFYING COMMAND CODE		SA1	SA2	SA3	SA4	SB1 SC1 SD1	SB2 SC2 SD2	SB3 SC3 SD3	SE1 SF1 SG1	SE2 SF2 SG2	SE3 SF3 SG3
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR	X	X		X	X	X		X	X	
ACA	ADJUSTABLE COST DETAILS	X	X		X	X	X		X	X	
AGU	AGENTS TAX REGISTRATION NUMBER/UNC										
AGE	AGERD NUMBER	X	X		X	X	X		X	X	
AMN	AMENDMENT NUMBER				X	X	X	X	X	X	X
BOL	BILL OF LADING NUMBER				X						
CAU	CARRIER/UNC	X	X		X	X	X		X	X	
CNO	CASE NUMBER				X						
CAN	CHANGE AUTHORITY NUMBER				X	X	X		X	X	
CHG	CHANGE CODE		X		X	X	X		X	X	
COC	COMMAND CODE	X	X	X	X	X	X	X	X	X	X
CBU	CONTRACTOR'S BANK DETAILS										
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC										
COU	CONTRACTOR/UNC	X	X	X	X	X	X	X	X	X	X
CDD	CONTRACTUAL DELIVERY DATE	X	X		X	X	X		X	X	
CPU	COPRODUCER/UNC	X	X		X				X	X	
COR	COUNTRY OF ORIGIN										
CUD	CURE DATE										
CUR	CURRENCY CODE	X	X		X	X	X		X	X	
CAA	CPL ADDENDUM/AMENDMENT NUMBER	X	X		X	X	X		X	X	
CEF	CPL EFFECTIVE DATE										
CEX	CPL EXPIRY DATE										
CRE	CPL REFERENCE NUMBER	X	X		X	X	X		X	X	
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC	X	X			X	X				
CUU	CUSTOMER/UNC	X	X	X	X	X	X	X	X	X	X
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC				X						

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

# SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SA1	SA2	SA3	SA4	SB1 SC1 SD1	SB2 SC2 SD2	SB3 SC3 SD3	SE1 SF1 SG1	SE2 SF2 SG2	SE3 SF3 SG3
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE				X						
DPT	DELIVERY POINT	X	X		X	X	X		X	X	
DNO	DIVERSION NUMBER				X	X	X		X	X	
DMC	DOMESTIC MANAGEMENT CODE	X	X		X	X	X		X	X	
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE										
DPV	DOWN/PROGRESS PAYMENT VALUE										
ETC	EARLIEST TIME OF COLLECTION										
ECO	ECONOMIC CONDITIONS										
EOC	ECONOMIC CONDITIONS/CUR	X	X		X	X	X		X	X	
ESR	ESCALATION FACTOR/CUR										
ESY	ESCALATION VALUE/CUR										
ECC	EVIDENCE CONTROL CODE	X	X	X	X	X	X	X	X	X	X
EXC	EXCHANGE CURRENCY CODE	X	X		X	X	X		X	X	
EXU	EXCHANGE RATE/CUR	X	X		X	X	X		X	X	
ERT	EXCHANGE RATE TYPE	X	X		X	X	X		X	X	
FDD	FORECAST DELIVERY DATE		X		X		X		X	X	
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL	X	X		X	X	X		X	X	
HNO	HASTENING NUMBER										
HAZ	HAZARDOUS MATERIAL	X	X		X	X	X		X	X	
IPP	INITIAL PROVISIONING PROJECT NO.	X	X								
ICY	INTERCHANGEABILITY				X	X	X		X	X	
ICA	INVOICE CATEGORY										
IDT	INVOICE DATE				X						
IDC	INVOICE DELIVERY LINE VALUE NETT/CURR										
INR	INVOICE NUMBER				X						
IOV	INVOICE ORDER LINE VALUE NETT										
ISU	INVOICE SENDER/UNC										
ITU	INVOICE TO/UNC	X	X			X	X				
ITX	INVOICE TOTAL TAX VALUE										
ITL	INVOICE TOTAL VALUE GROSS										

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SA1	SA2	SA3	SA4	SB1 SC1 SD1	SB2 SC2 SD2	SB3 SC3 SD3	SE1 SF1 SG1	SE2 SF2 SG2	SE3 SF3 SG3
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT										
INT	INVOICE TYPE										
ITY	ITEM TYPE	X	X		X	X	X		X	X	
KEY	KEYWORD	X	X		X	X	X		X	X	
LOC	LETTER OF CREDIT NUMBER										
MSQ	MINIMUM SALES QUANTITY				X				X	X	
MOI	MODEL IDENTIFICATION	X	X		X	X	X		X	X	
NSN	NATO STOCK NUMBER	X	X		X	X	X		X	X	
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X	X		X	X	X		X	X	
NNR	NOTICOL NUMBER				X						
NOU	NOTICOL ORIGINATOR/UNC										
OPR	OFFSET PERCENTAGE RATE										
OFV	OFFSET VALUE										
IPO	ORDER NUMBER	X	X	X	X	X	X	X	X	X	X
OID	ORIGINAL INVOICE DATE										
OIN	ORIGINAL INVOICE NUMBER										
TTV	ORIGINAL INVOICE TOTAL TAX VALUE										
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS										
OGV	ORIGINAL INVOICE TOTAL VALUE NETT										
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X	X	X	X	X	X	X	X	X	X
OBI	OWN BRANCH INDICATOR										
PLC	PACKAGING LEVEL CODE	X	X		X	X	X		X	X	
PNR	PART NUMBER	X	X		X	X	X		X	X	
DPY	PAYMENT DATE										
PAN	PAYMENT STATUS ADVICE NUMBER										
PYT	PAYMENT TERMS										
POP	PERIOD OF PERFORMANCE										
CDU	PICK-UP POINT - CODED ADDRESS/UNC										
PUP	PICK-UP POINT - FULL ADDRESS										
PKD	PREVIOUS KEY DATA		X		X	X	X		X	X	
PBD	PRICE BREAK DATA										
PCA	PRICE CATEGORY	X	X		X	X	X		X	X	

# SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SA1	SA2	SA3	SA4	SB1 SC1 SD1	SB2 SC2 SD2	SB3 SE3 SD3	SE1 SF1 SG1	SE2 SF2 SG2	SE3 SF3 SG3
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION	X	X		X	X	X		X	X	
PCN	PRIME CONTRACT NUMBER	X	X		X	X	X				
PTY	PRIORITY REQUIREMENT	X	X		X	X	X		X	X	
PBN	PROCUREMENT BUDGET NUMBER	X	X		X	X	X				
PCD	PROCUREMENT CODE	X	X		X	X	X				
PPM	PROGRESS PAYMENT MILESTONE NO.										
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER										
PCY	PROVISIONING CATEGORY	X	X			X	X				
PLT	PURCHASING LEAD TIME				X				X	X	
QTY	QUANTITY	X	X		X	X	X		X	X	
QUI	QUANTITY PER UNIT OF ISSUE	X	X		X	X	X		X	X	
QDT	QUOTATION DATE	X	X		X				X	X	
QED	QUOTATION EXPIRY DATE										
QNO	QUOTATION NUMBER	X	X		X				X	X	
QTT	QUOTATION TARGET DATE										
QVP	QUOTATION VALIDITY PERIOD				X						
RDT	RECEIPT DATE										
REM	REMARKS	X	X	X	X	X	X	X	X	X	X
RNS	REPLACING NATO STOCK NUMBER										
RMU	REPLACING NATO SUPPLY CODE FOR MFR'S/UNC										
RPP	REPLACING PART NUMBER										
RUI	REPLACING UNIT OF ISSUE										
RQC	REQUEST FOR QUOTATION REPEAT COUNTER										
RQN	REQUEST NUMBER										
RDD	REQUIRED DELIVERY DATE	X	X		X	X	X		X	X	
SLK	SEGMENT LEVEL KEY	X	X		X	X	X		X	X	
SIN	SENSITIVITY INDICATOR	X	X		X	X	X		X	X	
SER	SERIAL NUMBER	X	X		X	X	X		X	X	
SIU	SHIP TO/UNC	X	X			X	X				
SCN	SHIPMENT/CONSIGNMENT NO.				X						
SHU	SHIPPED FROM/UNC				X				X	X	
SHM	SHIPPING METHOD	X	X		X	X	X		X	X	

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SA1	SA2	SA3	SA4	SB1 SC1 SD1	SB2 SC2 SD2	SB3 SE3 SD3	SE1 SF1 SG1	SE2 SF2 SG2	SE3 SF3 SG3
TEI	DATA ELEMENT NAME										
STU	SOLD-TO/UNC	X	X			X	X				
SPQ	STANDARD PACKAGE QTY	X	X		X	X	X		X	X	
SOM	STATE OF MANUFACTURE										
SAC	STATUS/ADVICE CODE	X	X	X	X	X	X	X	X	X	X
SNQ	STATUS INQUIRY NUMBER										
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X	X	X	X	X	X
SRU	SUPPLIER/UNC	X	X	X	X	X	X	X	X	X	X
SMB	SUPPLY MANAG. BRANCH INDICATOR	X	X	X	X	X	X	X	X	X	X
TAC	TAX CODE										
TCC	TAX CODE/CUR	X	X		X	X	X		X	X	
TPR	TAX PERCENTAGE RATE										
TRC	TAX PERCENTAGE RATE/CUR										
TPD	TAX POINT DATE										
TAU	TAX VALUE/CUR	X	X		X	X	X		X	X	
TEI	TEI IDENTITY IDENTIFIER										
TLC	TOTAL LINE VALUE/CUR	X	X		X	X	X		X	X	
TNC	TOTAL NUMBER OF CASES										
TOP	TYPE OF PRICE										
TPC	TYPE OF PRICE/CUR	X	X		X	X	X		X	X	
TOS	TYPE OF SUPPLY										
UDU	ULTIMATE DESTINATION CODE/UNC	X	X		X	X	X		X	X	
UOI	UNIT OF ISSUE	X	X		X	X	X		X	X	
UOM	UNIT OF MEASURE	X	X		X	X	X		X	X	
UPR	UNIT PRICE	X	X		X	X	X		X	X	
VOC	VOLUME OF CONSIGNMENT										
WOC	WEIGHT OF CONSIGNMENT										

MESSAGE IDENTIFYING COMMAND CODE		SH1	SH4	SH5	SH6	SH7	SH8	SH9			
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR										
ACA	ADJUSTABLE COST DETAILS										
AGU	AGENTS TAX REGISTRATION NUMBER/UNC										
AGE	AGERD NUMBER		X	X							
AMN	AMENDMENT NUMBER				X	X	X				
BOL	BILL OF LADING NUMBER		X	X							
CAU	CARRIER/UNC		X	X							
CNO	CASE NUMBER		X	X							
CAN	CHANGE AUTHORITY NUMBER		X	X							
CHG	CHANGE CODE										
COC	COMMAND CODE	X	X	X	X	X	X	X			
CBU	CONTRACTOR'S BANK DETAILS										
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC										
COU	CONTRACTOR/UNC	X	X	X	X	X	X	X			
CDD	CONTRACTUAL DELIVERY DATE		X	X							
CPU	COPRODUCER/UNC		X	X							
COR	COUNTRY OF ORIGIN										
CUD	CURE DATE		X	X							
CUR	CURRENCY CODE										
CAA	CPL ADDENDUM/AMENDMENT NUMBER				X	X		X			
CEF	CPL EFFECTIVE DATE										
CEX	CPL EXPIRY DATE										
CRE	CPL REFERENCE NUMBER				X	X		X			
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC										
CUU	CUSTOMER/UNC	X	X	X	X	X	X	X			
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC		X	X	X	X	X	X			

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SH1	SH4	SH5	SH6	SH7	SH8	SH9			
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE		X	X							
DPT	DELIVERY POINT		X	X							
DNO	DIVERSION NUMBER		X	X							
DMC	DOMESTIC MANAGEMENT CODE		X	X							
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE										
DPV	DOWN/PROGRESS PAYMENT VALUE										
ETC	EARLIEST TIME OF COLLECTION										
ECO	ECONOMIC CONDITIONS										
EOC	ECONOMIC CONDITIONS/CUR										
ESR	ESCALATION FACTOR/CUR										
ESY	ESCALATION VALUE/CUR										
ECC	EVIDENCE CONTROL CODE	X	X	X	X	X	X	X			
EXC	EXCHANGE CURRENCY CODE										
EXU	EXCHANGE RATE/CUR										
ERT	EXCHANGE RATE TYPE										
FDD	FORECAST DELIVERY DATE		X	X							
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL		X	X							
HNO	HASTENING NUMBER				X	X	X	X			
HAZ	HAZARDOUS MATERIAL		X	X							
IPP	INITIAL PROVISIONING PROJECT NO.		X	X	X	X	X	X			
ICY	INTERCHANGEABILITY		X	X							
ICA	INVOICE CATEGORY										
IDT	INVOICE DATE		X	X		X	X	X			
IDC	INVOICE DELIVERY LINE VALUE NETT/CURR										
INR	INVOICE NUMBER		X	X	X	X	X	X			
IOV	INVOICE ORDER LINE VALUE NETT										
ISU	INVOICE SENDER/UNC					X	X	X			
ITU	INVOICE TO/UNC		X	X							
ITX	INVOICE TOTAL TAX VALUE										
ITL	INVOICE TOTAL VALUE GROSS										

MESSAGE IDENTIFYING COMMAND CODE		SH1	SH4	SH5	SH6	SH7	SH8	SH9			
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT										
INT	INVOICE TYPE										
ITY	ITEM TYPE		X	X							
KEY	KEYWORD		X	X							
LOC	LETTER OF CREDIT NUMBER										
MSQ	MINIMUM SALES QUANTITY		X	X							
MOI	MODEL IDENTIFICATION		X	X	X	X	X	X			
NSN	NATO STOCK NUMBER	X	X	X			X	X			
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X	X	X			X	X			
NNR	NOTICOL NUMBER		X	X	X	X	X				
NOU	NOTICOL ORIGINATOR/UNC										
OPR	OFFSET PERCENTAGE RATE										
OFV	OFFSET VALUE										
IPO	ORDER NUMBER	X	X	X	X	X	X	X			
OID	ORIGINAL INVOICE DATE										
OIN	ORIGINAL INVOICE NUMBER										
TTV	ORIGINAL INVOICE TOTAL TAX VALUE										
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS										
OGV	ORIGINAL INVOICE TOTAL VALUE NETT										
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X	X	X	X	X	X	X			
OBI	OWN BRANCH INDICATOR										
PLC	PACKAGING LEVEL CODE		X	X							
PNR	PART NUMBER	X	X	X			X	X			
DPY	PAYMENT DATE										
PAN	PAYMENT STATUS ADVICE NUMBER										
PYT	PAYMENT TERMS										
POP	PERIOD OF PERFORMANCE										
CDU	PICK-UP POINT-CODED ADDRESS/UNC										
PUP	PICK-UP POINT - FULL ADDRESS										
PKD	PREVIOUS KEY DATA										
PBD	PRICE BREAK DATA										
PCA	PRICE CATEGORY										



## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SH1	SH4	SH5	SH6	SH7	SH8	SH9			
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION										
PCN	PRIME CONTRACT NUMBER		X	X	X	X	X	X			
PTY	PRIORITY REQUIREMENT		X	X							
PBN	PROCUREMENT BUDGET NUMBER		X	X							
PCD	PROCUREMENT CODE		X	X							
PPM	PROGRESS PAYMENT MILESTONE NO.						X				
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER						X				
PCY	PROVISIONING CATEGORY		X	X							
PLT	PURCHASING LEAD TIME		X	X							
QTY	QUANTITY		X	X							
QUI	QUANTITY PER UNIT OF ISSUE		X	X							
QDT	QUOTATION DATE										
QED	QUOTATION EXPIRY DATE										
QNO	QUOTATION NUMBER				X	X		X			
QTT	QUOTATION TARGET DATE										
QVP	QUOTATION VALIDITY PERIOD										
RDT	RECEIPT DATE										
REM	REMARKS	X	X	X	X	X	X	X			
RNS	REPLACING NATO STOCK NUMBER										
RMU	REPLACING NATO SUPPLY CODE FOR MFR'S/UNC										
RPP	REPLACING PART NUMBER										
RUI	REPLACING UNIT OF ISSUE										
RQC	REQUEST FOR QUOTATION REPEAT COUNTER										
RQN	REQUEST NUMBER				X	X	X	X			
RDD	REQUIRED DELIVERY DATE		X	X							
SLK	SEGMENT LEVEL KEY	X	X	X			X	X			
SIN	SENSITIVITY INDICATOR		X	X							
SER	SERIAL NUMBER		X	X							
SIU	SHIP TO/UNC										
SCN	SHIPMENT/CONSIGNMENT NO.		X	X							
SHU	SHIPPED FROM/UNC		X	X							
SHM	SHIPPING METHOD		X	X							

MESSAGE IDENTIFYING COMMAND CODE		SH1	SH4	SH5	SH6	SH7	SH8	SH9			
TEI	DATA ELEMENT NAME										
STU	SOLD-TO/UNC		X	X							
SPQ	STANDARD PACKAGE QTY		X	X							
SOM	STATE OF MANUFACTURE		X	X							
SAC	STATUS/ADVICE CODE	X	X	X	X	X	X	X			
SQN	STATUS INQUIRY NUMBER	X	X	X	X						
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X	X	X			
SRU	SUPPLIER/UNC	X	X	X	X	X	X	X			
SMB	SUPPLY MANAG. BRANCH INDICATOR	X	X	X	X	X	X	X			
TAC	TAX CODE										
TCC	TAX CODE/CUR										
TPR	TAX PERCENTAGE RATE										
TRC	TAX PERCENTAGE RATE/CUR										
TPD	TAX POINT DATE										
TAU	TAX VALUE/CUR										
TEI	TEI IDENTITY IDENTIFIER	X			X	X	X	X			
TLC	TOTAL LINE VALUE/CUR										
TNC	TOTAL NUMBER OF CASES										
TOP	TYPE OF PRICE										
TPC	TYPE OF PRICE/CUR										
TOS	TYPE OF SUPPLY										
UDU	ULTIMATE DESTINATION CODE/UNC		X	X							
UOI	UNIT OF ISSUE		X	X							
UOM	UNIT OF MEASURE		X	X							
UPR	UNIT PRICE										
VOC	VOLUME OF CONSIGNMENT										
WOC	WEIGHT OF CONSIGNMENT										

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SJ1	SJ4	SR1	SR4	ST1					
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR										
ACA	ADJUSTABLE COST DETAILS										
AGU	AGENTS TAX REGISTRATION NUMBER/UNC										
AGE	AGERD NUMBER	X		X							
AMN	AMENDMENT NUMBER										
BOL	BILL OF LADING NUMBER	X	X	X	X						
CAU	CARRIER/UNC	X	X	X	X	X					
CNO	CASE NUMBER	X	X	X	X	X					
CAN	CHANGE AUTHORITY NUMBER										
CHG	CHANGE CODE										
COC	COMMAND CODE	X	X	X	X	X					
CBU	CONTRACTOR'S BANK DETAILS										
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC										
COU	CONTRACTOR/UNC	X	X	X	X	X					
CDD	CONTRACTUAL DELIVERY DATE										
CPU	COPRODUCER/UNC										
COR	COUNTRY OF ORIGIN										
CUD	CURE DATE	X		X							
CUR	CURRENCY CODE										
CAA	CPL ADDENDUM/AMENDMENT NUMBER										
CEF	CPL EFFECTIVE DATE										
CEX	CPL EXPIRY DATE										
CRE	CPL REFERENCE NUMBER										
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC										
CUU	CUSTOMER/UNC	X	X	X	X	X					
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	X	X	X	X						

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

MESSAGE IDENTIFYING COMMAND CODE		SJ1	SJ4	SR1	SR4	ST1					
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE	X		X							
DPT	DELIVERY POINT	X		X		X					
DNO	DIVERSION NUMBER	X		X							
DMC	DOMESTIC MANAGEMENT CODE	X		X							
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE										
DPV	DOWN/PROGRESS PAYMENT VALUE										
ETC	EARLIEST TIME OF COLLECTION					X					
ECO	ECONOMIC CONDITIONS										
EOC	ECONOMIC CONDITIONS/CUR										
ESR	ESCALATION FACTOR/CUR										
ESY	ESCALATION VALUE/CUR										
ECC	EVIDENCE CONTROL CODE	X	X	X	X						
EXC	EXCHANGE CURRENCY CODE										
EXU	EXCHANGE RATE/CUR										
ERT	EXCHANGE RATE TYPE										
FDD	FORECAST DELIVERY DATE										
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL	X		X							
HNO	HASTENING NUMBER										
HAZ	HAZARDOUS MATERIAL	X		X		X					
IPP	INITIAL PROVISIONING PROJECT NO.										
ICY	INTERCHANGEABILITY										
ICA	INVOICE CATEGORY										
IDT	INVOICE DATE										
IDC	INVOICE DELIVERY LINE VALUE NETT/CURR										
INR	INVOICE NUMBER										
IOV	INVOICE ORDER LINE VALUE NETT										
ISU	INVOICE SENDER/UNC										
ITU	INVOICE TO/UNC										
ITX	INVOICE TOTAL TAX VALUE										
ITL	INVOICE TOTAL VALUE GROSS										

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SJ1	SJ4	SR1	SR4	ST1					
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT										
INT	INVOICE TYPE										
ITY	ITEM TYPE	X		X							
KEY	KEYWORD	X		X							
LOC	LETTER OF CREDIT NUMBER										
MSQ	MINIMUM SALES QUANTITY										
MOI	MODEL IDENTIFICATION										
NSN	NATO STOCK NUMBER	X		X							
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X		X							
NNR	NOTICOL NUMBER	X	X	X	X	X					
NOU	NOTICOL ORIGINATOR/UNC					X					
OPR	OFFSET PERCENTAGE RATE										
OFV	OFFSET VALUE										
IPO	ORDER NUMBER	X	X	X	X						
OID	ORIGINAL INVOICE DATE										
OIN	ORIGINAL INVOICE NUMBER										
TTV	ORIGINAL INVOICE TOTAL TAX VALUE										
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS										
OGV	ORIGINAL INVOICE TOTAL VALUE NETT										
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X	X	X	X						
OBI	OWN BRANCH INDICATOR										
PLC	PACKAGING LEVEL CODE	X		X							
PNR	PART NUMBER	X		X							
DPY	PAYMENT DATE										
PAN	PAYMENT STATUS ADVICE NUMBER										
PYT	PAYMENT TERMS										
POP	PERIOD OF PERFORMANCE										
CDU	PICK-UP POINT - CODED ADDRESS/UNC					X					
PUP	PICK-UP POINT - FULL ADDRESS					X					
PKD	PREVIOUS KEY DATA										
PBD	PRICE BREAK DATA										
PCA	PRICE CATEGORY										

# SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SJ1	SJ4	SR1	SR4	ST1					
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION										
PCN	PRIME CONTRACT NUMBER	X		X							
PTY	PRIORITY REQUIREMENT	X		X		X					
PBN	PROCUREMENT BUDGET NUMBER										
PCD	PROCUREMENT CODE										
PPM	PROGRESS PAYMENT MILESTONE NO.										
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER										
PCY	PROVISIONING CATEGORY										
PLT	PURCHASING LEAD TIME										
QTY	QUANTITY	X		X							
QUI	QUANTITY PER UNIT OF ISSUE	X		X							
QDT	QUOTATION DATE										
QED	QUOTATION EXPIRY DATE										
QNO	QUOTATION NUMBER										
QTT	QUOTATION TARGET DATE										
QVP	QUOTATION VALIDITY PERIOD										
RDT	RECEIPT DATE		X		X						
REM	REMARKS	X	X	X	X	X					
RNS	REPLACING NATO STOCK NUMBER										
RMU	REPLACING NATO SUPPLY CODES FOR MFR'S/UNC										
RPP	REPLACING PART NUMBER										
RUI	REPLACING UNIT OF ISSUE										
RQC	REQUEST FOR QUOTATION REPEAT COUNTER										
RQN	REQUEST NUMBER										
RDD	REQUIRED DELIVERY DATE										
SLK	SEGMENT LEVEL KEY	X		X							
SIN	SENSITIVITY INDICATOR	X		X		X					
SER	SERIAL NUMBER	X		X							
SIU	SHIP TO/UNC	X		X							
SCN	SHIPMENT/CONSIGNMENT NO.	X	X	X	X	X					
SHU	SHIPPED FROM/UNC	X		X							
SHM	SHIPPING METHOD	X		X							

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SJ1	SJ4	SR1	SR4	ST1					
TEI	DATA ELEMENT NAME										
STU	SOLD-TO/UNC										
SPQ	STANDARD PACKAGE QTY	X		X							
SOM	STATE OF MANUFACTURE										
SAC	STATUS/ADVICE CODE	X	X	X	X	X					
SNQ	STATUS INQUIRY NUMBER										
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X					
SRU	SUPPLIER/UNC	X	X	X	X	X					
SMB	SUPPLY MANAG. BRANCH INDICATOR	X	X	X	X						
TAC	TAX CODE										
TCC	TAX CODE/CUR										
TPR	TAX PERCENTAGE RATE										
TRC	TAX PERCENTAGE RATE/CUR										
TPD	TAX POINT DATE										
TAU	TAX VALUE/CUR										
TEI	TEI IDENTITY IDENTIFIER										
TLC	TOTAL LINE VALUE/CUR										
TNC	TOTAL NUMBER OF CASES					X					
TOP	TYPE OF PRICE										
TPC	TYPE OF PRICE/CUR										
TOS	TYPE OF SUPPLY										
UDU	ULTIMATE DESTINATION CODE/UNC	X	X	X	X	X					
UOI	UNIT OF ISSUE	X		X							
UOM	UNIT OF MEASURE	X		X							
UPR	UNIT PRICE										
VOC	VOLUME OF CONSIGNMENT					X					
WOC	WEIGHT OF CONSIGNMENT					X					

## **4. MESSAGE STRUCTURES**

### **4.1 Purpose**

To describe the structure and format for Order Administration data exchange.

### **4.2 Message Structure**

Generally for the exchange of data and information, each interchange consists of one or more messages to create, amend or delete data located within a data base.

A message consists of segments.

Each segment is related to a specific level. This relationship cannot be changed.

**LEVEL 0:** This is the highest level segment or portion of a total message. It relates to those data units that, from a business point of view, should be grouped together. Being the highest level segment it correspondingly retains the highest level data units (e.g. Contractor, Customer, Order Number, Prime Contract Number etc.).

**LEVEL 1:** This is the next subordinate segment to Level 0. The Level 1 segment retains information relating to a physical item/spare, typically holding such information as Part Number, NSN, Unit of Issue etc. All Level 1 data relates totally to that contained in Level 0.

**LEVEL 2:** This is the next subordinate level to Level 1. The Level 2 segment contains data relating to variable requirements pertaining to the Level 1 data. Typically this segment would be used to relate variable delivery information of an item which is, for example, required to be delivered to different locations (Ultimate Destination Codes) or by different dates (Required Delivery Dates).

### **4.3 Segment Structure**

Within the Order Administration process, all transactions consist of a number of segments at a maximum of three levels. The segments occur in a logical sequence of levels, the first at Level 0, commonly referred to as the data header.

Each segment comprises the segment code followed by the related Data Units.

### **4.4 Rules for Use of Message Structures**

- All transactions must have a Level 0 segment; depending on the level of detail being provided, additional Levels 1 and 2 may be generated.



## **SPECIFICATION 2000M**

- A Level 2 segment may only be present if a corresponding Level 1 segment is present.
- For each message there is a variable number of segment level possibilities. This gives rise to the data default rule. Data default means that when the same data unit is permitted to be repeated across segment levels, it should only be used to convey the exception. For example, a UDU may be stated in a Level 0-SA1 transaction, this implies that the specified UDU applies to the whole order quantity; however, if a further Level 2 segment quotes a different UDU, then, for this particular Level 2 delivery quantity requirement, the Level 2-UDU takes preference over the Level 0-UDU. Hence repeatable data should be used only to transmit the exception rather than the routine. The routine should always be stated in the highest level possible. The data default rule will not apply to the Data Unit - 'Quantity'. The reasons for its non-applicability are explained in the following points of principle.
- For an SA1, (Order Placement) transaction, a one to one relationship must exist between Level 0 and Level 1.
- For an SA1 transaction, the summation of all the quantity values in the Level 2 segments must equal the quantity value given in their corresponding Level 1 segment.

To comply with the rules for minimum data transmission, an amendment message will contain only the data to be amended. Consequently, the transmitted Level 1 quantity may not, in an amendment message, be the sum of the associated Level 2 quantities. It is the responsibility of the recipient to verify that the new (amended) Level 1 quantity on his data base is the sum of the related Level 2 quantities; an error should result in a request for a total restatement of the order.

### **4.5 Structure of Message Segments**

The structure of the segments and transactions is shown on the following pages. The following legend, to identify certain abbreviations, codes and regulations, is applicable.

#### **Legend**

M = Mandatory  
C = Conditional  
O = Optional  
/ = Indicates a repeating Data Unit. The number which follows the "/" indicates the number of times the Data Unit may repeat within the segment.

### **4.6 Notes used in Message Formats**

NOTE 1: Not taken up

NOTE 2: This Data Unit must be present at one of the Levels; if it is not present in the lower Level segments, it must be present at the higher Level.

NOTE 3: Not taken up.

- NOTE 4: This Data Unit is required in a response if it was included in the original Order or any subsequent amendments. It cannot necessarily be vetted in the message handler and may be vetted against the data base. The value will generally be the same as that in the related placement/request message. However, this general principle may be subject to contract/project rules.
- NOTE 5: This Data Unit may be in the message but its value will not be used to amend the corresponding Data Element in the receiving data base until an acceptance message is sent.
- NOTE 6: The essentiality of this Data Unit, in a Status Response Message, will be controlled by the combination of Request Message Data Units in the Status Request Message and the presence of the data in the transmitting data base.
- NOTE 7: To be used with SH6/SH7/SH8/SH9 messages. The Key Data incorporated into the hastener is to be consistent with the Key Data included in the message being hastened/initiated. Refer to Section 3-3, Para 3.5.

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SA 1: ORDER PLACEMENT  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OA	JS	LS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M				KEY
PCY	PROVISIONING CATEGORY	M				
ORU	ORIGINATOR REFERENCE	C/20		C/20		Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	O		O		
PCN	PRIME CONTRACT NUMBER	C				Project Specific
PCD	PROCUREMENT CODE	C				Project Specific
PBN	PROCUREMENT BUDGET	O				
	NUMBER					
QNO	QUOTATION NUMBER	C			M if PCY 3rd char=1	QNO and CRE mutually exclusive.
QDT	QUOTATION DATE	C			Not present if QNO not present	
CRE	CPL REFERENCE NUMBER	C			Not present if PCY 3rd char=1	QNO and CRE mutually exclusive
CAA	CPL ADD/AMT NUMBER	C			M if CRE present	If no CAA fill with zero
IPP	INITIAL PROVISIONING PROJECT	C			M if PCY 2nd char = 2	
	NUMBER					
UDU	ULTIMATE DESTINAT. CODE/UNC	C		C		Project Specific
	Ultimate Destination Code	M		M		
	User (Nation) Code	O		O		
RDD	REQUIRED DEL. DATE	C		C		Project Specific
PTY	PRIORITY REQUIREMENT	C		C	M if PCY 1st char=4	If not present default to routine
SHM	SHIPPING METHOD	O		O		
CAU	CARRIER/UNC	O		O		
	Carrier	M		M		
	User (Nation) Code	O		O		
PLC	PACKAGING LEVEL CODE	C		C		Project Specific
ITU	INVOICE TO/UNC	C				Project Specific
	Invoice To	M				
	User (Nation) Code	O				
STU	SOLD TO/UNC	O				
	Sold To	M				
	User (Nation) Code	O				
SMB	SUPPLY MANAG. BRANCH	O		O		
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C		C		Project Specific
CDD	CONTRACTUAL DELIVERY DATE	O		O		

MESSAGE IDENTIFIER:

**SA 1: ORDER PLACEMENT  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
				0	1	2
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OAH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	O/20				
	User (Nation) Code	M				
SRU	SUPPLIER/UNC Supplier	O				Project Specific
	User (Nation) Code	C				
SLK	SEGMENT LEVEL KEY Level Code	M				
	Contractor / Customer Indicator	O	M	M		
	Segment Sequence Number		M	M		KEY. The SLK is created by the customer unless it already exists as a result of a Quotation or an offer of Surplus Stocks (SS1). Subsequent messages concerning this IPO will use these SLKs and any added SLKs to reference particular deliveries/items.
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC NATO Supply Code for Manuf.		C		M if PNR present	
	User (Nation) Code		M			
NSN	NATO STOCK NUMBER		O			
	NATO Supply Class		C		M if PNR not present	
	NATO Item Identification Number		M			
QTY	QUANTITY		M	M	If PCY 2nd char=5 and SER present Level 1 QTY = 1	Level 1 QTY is sum of Level 2 QTYs
UOI	UNIT OF ISSUE		M			
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitve	
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
SER	SERIAL NUMBER			O		
AGE	AGERD NUMBER		O			
SPQ	STANDARD PACKAGE QTY		C	C		Project Specific
GQA	GOVMT. QA AND CONTROL		O	O		
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			Project Specific
UPR	UNIT PRICE		C	C	Not present if TOP 5 or 7	
AUC	ADDITIVE UNIT PRICE/CUR Additive Unit Price		C/9	C/9	Not present if TOP 5 or 7	
	Currency Code		M	M		
CUR	CURRENCY CODE		M	M		
EOC	ECONOMIC CONDITIONS/CUR Economic Conditions		C	C	M if UPR present	
	Currency Code		C/9	C/9		Project Specific
			M	M		
			M	M		

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SA 1: ORDER PLACEMENT  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
				2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OAH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION		C	C		Project Specific
DPT	DELIVERY POINT		O	O		
PCA	PRICE CATEGORY		C			Project Specific
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	M if EXU and EXC present	
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9		If TOP not 5 or 7	Repetition may not be same as AUC
	Total Line Value		M			
	Currency Code		M			
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars = MC	
	Currency Code		M	M		
CPU	COPRODUCER/UNC		C/9	C/9	M if ITY = SM	
	Coproducer		M	M		
	User (Nation) Code		O	O		
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O			
SIU	SHIP TO/UNC	O		O		
	Ship to	M		M		
	User (Nation) Code	O		O		
TUU	CUSTOMER TAX REGISTRATION	O	O	O		
	NUMBER/UNC					
	Customer Tax Reg Number	M	M	M		
	User (Nation) Code	O	O	O		

MESSAGE IDENTIFIER:

SA 2: ORDER ACCEPTANCE (CONTRACTOR  
TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OAH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
IPO	ORDER NUMBER	M				KEY
PCY	PROVISIONING CATEGORY	M				
ORU	ORIGINATOR REFERENCE	C/20		C/20	Note 4	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	C		C	Note 4	
PCN	PRIME CONTRACT NUMBER	C			Note 4	
CHG	CHANGE CODE	M	M	M		
PCD	PROCUREMENT CODE	C			Note 4	
PBN	PROCUREMENT BUDGET	C			Note 4	
	NUMBER					
QNO	QUOTATION NUMBER	C			Note 4	
QDT	QUOTATION DATE	C			Note 4	
CRE	CPL REFERENCE NUMBER	C			Note 4	
CAA	CPL ADD/AMT REFERENCE	C			Note 4	
	NUMBER					
IPP	INITIAL PROVISIONING PROJECT	C			Note 4	
	NUMBER					
UDU	ULTIMATE DESTINAT. CODE/UNC	C		C	Note 4	
	Ultimate Destination Code	M		M		
	User (Nation) Code	C		C	Note 4	
RDD	REQUIRED DEL. DATE	C		C	Note 4	
CDD	CONTRACTUAL DEL. DATE	O		O		
FDD	FORECAST DEL. DATE	O		O		
PTY	PRIORITY REQUIREMENT	C		C	Note 4	
SHM	SHIPPING METHOD	C		C	Note 4	
CAU	CARRIER/UNC	C		C	Note 4	
	Carrier	M		M		
	User (Nation) Code	C		C	Note 4	
PLC	PACKAGING LEVEL CODE	C		C	Note 4	
ITU	INVOICE TO/UNC	C			Note 4	
	Invoice To	M				
	User (Nation) Code	C			Note 4	
STU	SOLD TO/UNC	C			Note 4	
	Sold To	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH	C		C	Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C		C	Note 4	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SA 2: ORDER ACCEPTANCE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OAH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	C/20			Note 4	Project Specific
	Supplementary Address	M				
	User (Nation) Code	C			Note 4	
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	
SLK	SEGMENT LEVEL KEY		M	M		
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PKD	PREVIOUS KEY DATA		C/8	C/998	M if CHG=N at this Level	
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		Note 4	
MFU	NATO SUPPLY CODE FOR		C		Note 4	
	MANUF./UNC					
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		C		Note 4	
NSN	NATO STOCK NUMBER		C		Note 4	
	NATO Supply Class		M			
	NATO Item Identification Number		C		Note 4	
UOI	UNIT OF ISSUE		M			
QTY	QUANTITY		M	M		Level 1 QTY is sum of Level 2 QTYs
UOM	UNIT OF MEASURE		C		Note 4	
QUI	QTY PER UNIT OF ISSUE		C		Note 4	
ITY	ITEM TYPE		C		Note 4	
KEY	KEYWORD		C		Note 4	
SER	SERIAL NUMBER			C	Note 4	
AGE	AGERD NUMBER		C		Note 4	
SPQ	STANDARD PACKAGE QTY		C	C	Note 4	
GQA	GOVMT. QA AND CONTROL		C	C	Note 4	
DMC	DOMESTIC MANAG. CODE		C		Note 4	
MOI	MODEL IDENTIFICATION		C		Note 4	
UPR	UNIT PRICE		C	C	Note 4	
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9	Note 4	
	Additive Unit Price		M	M		
	Currency Code		M	M		
CUR	CURRENCY CODE		C	C	Note 4	
EOC	ECONOMIC CONDITIONS/CUR		C/9	C/9	Note 4	
	Economic Conditions		M	M		
	Currency Code		M	M		
TPC	TYPE OF PRICE/CUR		C/9	C/9	Note 4	
	Type of Price		M	M		
	Currency Code		M	M		

MESSAGE IDENTIFIER:

**SA 2: ORDER ACCEPTANCE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	M/99		
				2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OAH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
PCO	PRICE CONDITION		C	C	Note 4	
DPT	DELIVERY POINT		C	C	Note 4	
PCA	PRICE CATEGORY		C	C	Note 4	
EXC	EXCHANGE CURRENCY CODE		C	C	Note 4	
EXU	EXCHANGE RATE/CUR		C/9	C/9	Note 4	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	Note 4	
TCC	TAX CODE/CUR		C/9	C/9	Note 4	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		C/9	C/9	Note 4	
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		C/9		Note 4	
	Total Line Value		M			
	Currency Code		M			
ACA	ADJUSTABLE COST DETAILS		C/30	C/30	Note 4	
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	Note 4	
	Currency Code		M	M		
CPU	COPRODUCER/UNC		C/9	C/9	Note 4	
	Coproducer		M	M		
	User (Nation) Code		C	C	Note 4	
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	
SIU	SHIP TO/UNC	C		C	Note 4	
	Ship to	M		M		
	User (Nation) Code	C		C	Note 4	
TUU	CUSTOMER TAX REGISTRATION	O	O	O		
	NUMBER/UNC					
	Customer Tax Reg Number	M	M	M		
	User (Nation) Code	O	O	O		
<p><b>NOTE:</b> Normally, the content of the SA2 will mirror the SA1 to which it responds together with the addition of CDD and FDD.</p> <p>The Contractor may, however, amend the delivery programme by creating additional Level 2 segments; the order quantity must, however, remain unchanged.</p> <p>If an SA1 is placed without a Quotation or a Customers Price List, the SA2 may provide the appropriate Order details.</p> <p>The essentiality of the data units will be as defined in the SA1.</p>						



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SA 3: ORDER REJECTION (CONTRACTOR  
TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M	1	2		
	SEGMENT TAG	OBH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
IPO	ORDER NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	M/20				
ORU	ORIGINATOR REFERENCE	C/20			Note 4	
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	C/20			Note 4	
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	

MESSAGE IDENTIFIER:

**SA4: ADVICE OF ORDER CHANGE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group1O9				
		M	M	O/999		
		0	1	2		
	SEGMENT LEVEL	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M			Note 5	KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M			Note 5	
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M			Note 5	KEY
AMN	AMENDMENT NUMBER	M			Note 5	KEY
CHG	CHANGE CODE	M	M	M		Never N at Level 0.
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	O/20		O/20		
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	O		O		
PCN	PRIME CONTRACT NUMBER	O				
PCD	PROCUREMENT CODE	O				
PBN	PROCUREMENT BUDGET NUMBER	O				
QNO	QUOTATION NUMBER	O				
QDT	QUOTATION DATE	O				
QVP	QUOTATION VALIDITY PERIOD	O				
CRE	CPL REFERENCE NUMBER	O	O			
CAA	CPL ADD/AMT NUMBER	C	C		M if CRE present	If no CAA fill with zero
UDU	ULTIMATE DESTINAT. CODE/UNC			O		
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	O	O	O		
RDD	REQUIRED DEL. DATE	O	O	O		
CDD	CONTRACTUAL DEL. DATE	O	O	O		
FDD	FORECAST DEL. DATE	O	O	O		
DEL	DELIVERY DATE	O	O	O		
DIU	DEL/INSPECTION NOTE NUMBER/ORT/UNC			O		
	Del/Inspect. Note Number			M		
	Originator			M		
	User (Nation) Code			O		
DNO	DIVERSION NUMBER	O	O	O		Note 5
PTY	PRIORITY REQUIREMENT	O	O	O		Note 5
SHM	SHIPPING METHOD	O	O	O		
CAU	CARRIER/UNC	O	O	O		
	Carrier	M	M	M		
	User (Nation) Code	O	O	O		
SHU	SHIPPED FROM/UNC	O	O	O		
	Shipped From	M	M	M		
	User (Nation) Code	O	O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
BOL	BILL OF LADING	O	O	O		
CNO	CASE NUMBER	O/99	O/99	O/99		

**SPECIFICATION 2000M**

**MESSAGE IDENTIFIER:**

**SA4: ADVICE OF ORDER CHANGE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/9				
		M	M		O/999	
			1	2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
NNR	NOTICOL NUMBER	O	O	O		
SCN	SHIPMENT/CONSIGNMENT NUMBER	O	O	O		
SMB	SUPPLY MANAG. BRANCH INDICATOR	O	O	O		
ECC	EVIDENCE CONTROL CODE	O	O	O		
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	O/20				
	User (Nation) Code	M				
INR	INVOICE NUMBER	O	O	O		
IDT	INVOICE DATE	O	O	O		
SRU	SUPPLIER/UNC Supplier	O	O			
	User (Nation) Code	M	M			
SLK	SEGMENT LEVEL KEY Segment Level	O	M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PKD	PREVIOUS KEY DATA Segment Level		C/8	C/998	M if CHG=N at this Level	KEY. This is used to reference particular Level 1 and Level 2 Segments in the current Order. New SLKs may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present. Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs.
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		M if CHG=N at this Level and NSN not present M if PNR present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC NATO Supply Code for Manuf.		C			
	User (Nation) Code		M			
NSN	NATO STOCK NUMBER		O			
	NATO Supply Class		C		M if CHG=N at this Level and PNR not present	
ICY	NATO Item Identification Number		M			
	INTERCHANGEABILITY		C	C	M if PNR or NSN present and CHG = N	
QTY	QUANTITY		C	C	M if CHG=N or M if UOI present or M if QUI and/or UOM pres	
UOI	UNIT OF ISSUE		C		M if CHG=N at this Level	
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
SPQ	STANDARD PACKAGE QTY	O	O	O		
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
SER	SERIAL NUMBER			O/99		
AGE	AGERD NUMBER		O			

MESSAGE IDENTIFIER:

SA4: ADVICE OF ORDER CHANGE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/9				
		M	M		O/999	
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
CAN	CHANGE AUTHORITY NUMBER		O	O		
PLT	PURCHASING LEAD TIME		O			
GQA	GOVMT. QA AND CONTROL		O	O		
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			
UPR	UNIT PRICE		C	C	Not present if TOP 5 or 7	Project Specific
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9	Not present if TOP 5 or 7	
	Additive Unit Price		M	M		
	Currency Code		M	M		
CUR	CURRENCY CODE		C	C	M if UPR present	
EOC	ECONOMIC CONDITIONS/CUR		O/9	O/9		Project Specific
	Economic Conditions		M	M		
	Currency Code		M	M		
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION		O	O		
DPT	DELIVERY POINT		O	O		
MSQ	MINIMUM SALES QTY		O	O		
PCA	PRICE CATEGORY		O	O		
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT are present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT are present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	If present EXU and EXC are M	
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9		If TOP not 5 or 7	
	Total Line Value		M			
	Currency Code		M			
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars = MC	
	Currency Code		M	M		

SPECIFICATION 2000M

MESSAGE IDENTIFIER:

SA4:  ADVICE OF ORDER CHANGE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		Group 1 O/9				
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
HAZ SIN CPU	HAZARDOUS MATERIAL SENSITIVITY INDICATOR COPRODUCER/UNC Coproducer User (Nation) Code		O/20 O O/9 M O	O/20  O/9 M O		

MESSAGE IDENTIFIER:

SB1/SC1/SD1: ORDER AMENDMENT  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL		OCH	OJS	OLS	
	SEGMENT TAG					
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				COC = SB1 for Level 1 QTY increase COC = SC1 for Level 1QTY decrease COC = SD1 for amndts other than QTY KEY
CUU	CUSTOMER/UNC Customer	M			Note 5	
	User (Nation) Code	O				
COU	CONTRACTOR/UNC Contractor	M			Note 5	KEY KEY Never N at Level 0. Note 5
	User (Nation) Code	O				
IPO	ORDER NUMBER	M			Note 5	
AMN	AMENDMENT NUMBER	M			Note 5	Project Specific
CHG	CHANGE CODE	M	M	M		
PCY	PROVISIONING CATEGORY	O				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			C/20	
	Originator Reference Number	M			M	
	Originator	M			M	
	User (Nation) Code	O			O	
PCN	PRIME CONTRACT NUMBER	O				
PCD	PROCUREMENT CODE	O				
PBN	PROCUREMENT BUDGET NUMBER	O				
UDU	ULTIMATE DESTINAT. CODE/UNC	O	O	O		
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	O	O	O		
RDD	REQUIRED DEL. DATE	O	O	O		
DNO	DIVERSION NUMBER	O	O	O		
PTY	PRIORITY REQUIREMENT	O	O	O		
SHM	SHIPPING METHOD	O	O	O		
CAU	CARRIER/UNC	O	O	O		
	Carrier	M	M	M		
	User (Nation) Code	O	O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
ITU	INVOICE TO/UNC	O				
	Invoice To	M				
	User (Nation) Code	O				
STU	SOLD TO/UNC	O				
	Sold To	M				
	User (Nation) Code	O				
SMB	SUPPLY MANAG. BRANCH INDICATOR	O	O	O		
ECC	EVIDENCE CONTROL CODE	O	O	O		
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
AUC	ADDITIVE UNIT PRICE/CUR		O/9	O/9		
	Additive Unit Price		M	M		
	Currency Code		M	M		
CDD	CONTRACTUAL DELIVERY DATE	O	O	O		

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SB1/SC1/SD1: ORDER AMENDMENT  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SRU	SUPPLIER/UNC Supplier	O M O	O M O			
PKD	PREVIOUS KEY DATA Segment Level Contractor / Customer Indicator		C/8 M M	C/998 M M	M if CHG=N at this Level	Note 5. Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs.
SLK	SEGMENT LEVEL KEY Segment Level Contractor / Customer Indicator Segment Sequence Number		M M M	M M M		KEY. Note 5. This is used to reference particular Level 1 and Level 2 Segments in the current Order. New SLKs may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present.
PNR	PART NUMBER		C		M if CHG=N at this Level and NSN not present else Optional	Note 5
MFU	NATO SUPPLY CODE FOR MANUF./UNC NATO Supply Code for Manuf.		C		M if PNR present	Note 5
NSN	USER (NATION) CODE NATO STOCK NUMBER		M O C		M if CHG=N at this Level and PNR not present else Optional	Note 5
ICY	NATO Supply Class		M			
QTY	NATO Item Identification Number INTERCHANGEABILITY QUANTITY		M O C	O C	M if CHG=N or M if COC=SB1 or SC1 M if CHG=N at this Level M if UOI non-definitive M if UOI non-definitive	Note 5
UOI	UNIT OF ISSUE		C			
UOM	UNIT OF MEASURE		C			
QUI	QTY PER UNIT OF ISSUE		C			
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
SER	SERIAL NUMBER			O/99		
AGE	AGERD NUMBER		O			
GQA	GOVMT. QA AND CONTROL		O	O		
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			Project Specific
DPT	DELIVERY POINT		O	O		
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O			
CAN	CHANGE AUTHORITY NUMBER		O	O	Note 5	May insert a CAN to replace a blank entry
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC Customer Tax Reg Number	O M O	O M O	O M O		
CUR	CURRENCY CODE		C	C	M if UPR present	
CAA	CPL ADD/AMT NUMBER	C	C		M if CRE present. Fill with zero if no CAA exists	

MESSAGE IDENTIFIER:

SB1/SC1/SD1: ORDER AMENDMENT  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL					
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
CRE	CPL REFERENCE NUMBER	O	O			
EOC	ECONOMIC CONDITIONS/CUR		O/9	O/9		
	Economic Conditions		M	M		
	Currency Code		M	M		
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars=MC	
	Currency Code		M	M		
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT are present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT are present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	M if EXU and EXC are present	
PCA	PRICE CATEGORY		O	O		
PCO	PRICE CONDITION		O	O		
SIU	SHIP TO/UNC		O	O		
	Ship to		M	M		
	User (Nation) Code		O	O		
SPQ	STANDARD PACKAGE QTY		O	O		
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present. Note 2	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9			
	Total Line Value		M			
	Currency Code		M			
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		
UPR	UNIT PRICE		O	O		





MESSAGE IDENTIFIER:

SB2/SC2/SD2: ORDER AMENDMENT ACCEPTANCE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				SB2 will accept an SB1 SC2 will accept an SC1 SD2 will accept an SD1 KEY
CUU	CUSTOMER/UNC Customer	M				
	User (Nation) Code	M			Note 4	
COU	CONTRACTOR/UNC Contractor	C			Note 4	
	User (Nation) Code	M			Note 4	KEY KEY Never N at Level 0
IPO	ORDER NUMBER	M			Note 4	
AMN	AMENDMENT NUMBER	M			Note 4	
CHG	CHANGE CODE	M	M	M	Note 4	
PCY	PROVISIONING CATEGORY	C			Note 4	
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20		C/20	Note 4	
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	C		C	Note 4	
PCN	PRIME CONTRACT NUMBER	C			Note 4	
PCD	PROCUREMENT CODE	C			Note 4	
PBN	PROCUREMENT BUDGET NUMBER	C			Note 4	
UDU	ULTIMATE DESTINAT. CODE/UNC	C	C	C	Note 4	
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	C	C	C	Note 4	
RDD	REQUIRED DEL. DATE	C	C	C	Note 4	
CDD	CONTRACTUAL DEL. DATE	O	O	O		
FDD	FORECAST DEL. DATE	O	O	O		
DNO	DIVERSION NUMBER	C	C	C	Note 4	
PTY	PRIORITY REQUIREMENT	C	C	C	Note 4	
SHM	SHIPPING METHOD	C	C	C	Note 4	
CAU	CARRIER/UNC	C	C	C	Note 4	
	Carrier	M	M	M		
	User (Nation) Code	C	C	C	Note 4	
PLC	PACKAGING LEVEL CODE	C	C	C	Note 4	
ITU	INVOICE TO/UNC	C			Note 4	
	Invoice To	M				
	User (Nation) Code	C			Note 4	
STU	SOLD TO/UNC	C			Note 4	
	Sold To	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C	C	C	Note 4	
ECC	EVIDENCE CONTROL CODE	C	C	C	Note 4	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9	Note 4	
	Additive Unit Price		M	M		
	Currency Code		M	M		

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SB2/SC2/SD2: ORDER AMENDMENT ACCEPTANCE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL					
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address User (Nation) Code	C/20 M C			Note 4	Project Specific  KEY. This is used to reference particular Level 1 and Level 2 Segments in the current Order. New SLKs may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present.  Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs.
SRU	SUPPLIER/UNC Supplier User (Nation) Code	C M C	C M C		Note 4 Note 4	
SLK	SEGMENT LEVEL KEY Level Code Contractor / Customer Indicator Segment Sequence Number		M M M M	M M M		
PKD	PREVIOUS KEY DATA Level Code Contractor / Customer Indicator Segment Sequence Number		C/8 M M M	C/998 M M M	M if CHG=N at this Level	
PNR	PART NUMBER		C		Note 4	
MFU	NATO SUPPLY CODE FOR MANUF./UNC NATO Supply Code for Manuf. User (Nation) Code		C M C		Note 4 Note 4	
NSN	NATO STOCK NUMBER NATO Supply Class NATO Item Identification Number		C M M		Note 4 Note 4	
ICY	INTERCHANGEABILITY		C	C	Note 4	
QTY	QUANTITY		C	C	Note 4	
UOI	UNIT OF ISSUE		C		Note 4	
UOM	UNIT OF MEASURE		C		Note 4	
QUI	QTY PER UNIT OF ISSUE		C		Note 4	
ITY	ITEM TYPE		C		Note 4	
KEY	KEYWORD		C		Note 4	
SER	SERIAL NUMBER			C/99	Note 4	
AGE	AGERD NUMBER		C		Note 4	
GQA	GOVMT. QA AND CONTROL		C	C	Note 4	
DMC	DOMESTIC MANAG. CODE		C		Note 4	
MOI	MODEL IDENTIFICATION		C		Note 4	
DPT	DELIVERY POINT		C	C	Note 4	
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	
CAN	CHANGE AUTHORITY NUMBER		C	C	Note 4	
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC Customer Tax Reg Number User (Nation) Code	O M O	O M O	O M O		
CUR	CURRENCY CODE		C	C	Note 4	
CAA	CPL ADD/AMT NUMBER		C		Note 4	
CRE	CPL REFERENCE NUMBER		C		Note 4	

MESSAGE IDENTIFIER:

SB2/SC2/SD2: ORDER AMENDMENT ACCEPTANCE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
EOC	ECONOMIC CONDITIONS/CUR Economic Conditions		C/9 M	C/9 M	Note 4	
	Currency Code		M	M		
ACA	ADJUSTABLE COST DETAILS		C/30	C/30	Note 4	
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	Note 4	
	Currency Code		M	M		
EXC	EXCHANGE CURRENCY CODE		C	C	Note 4	
EXU	EXCHANGE RATE/CUR		C/9	C/9	Note 4	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	Note 4	
PCA	PRICE CATEGORY		C	C	Note 4	
PCO	PRICE CONDITION		C	C	Note 4	
SIU	SHIP TO/UNC		C	C	Note 4	
	Ship to	C	M	M		
	User (Nation) Code	M	O	O		
SPQ	STANDARD PACKAGE QTY	O	C	C	Note 4	
TCC	TAX CODE/CUR	C	C/9	C/9	Note 4	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		C/9	C/9	Note 4	
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		C/9		Note 4	
	Total Line Value		M			
	Currency Code		M			
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		
UPR	UNIT PRICE		C	C	Note 4	



MESSAGE IDENTIFIER:

SB3/SC3/SD3: ORDER AMENDMENT REJECTION  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
		0	1	2		
	SEGMENT TAG	OBH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				SB 3 will reject an SB1 SC3 will reject an SC1 SD3 will reject an SD1 KEY
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
IPO	ORDER NUMBER	M			Note 4	
AMN	AMENDMENT NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	M/20				KEY
ORU	ORIGINATOR REFERENCE	C/20			Note 4	
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20			Note 4	
	Supplementary Address	M				
	User (Nation) Code	C			Note 4	
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SE1/SF1/SG1: ORDER AMENDMENT  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				COC = SE1 for Level 1QTY increase COC = SF1 for Level 1QTY decrease COC = SG1 for amendments other than Level 1QTY
CUU	CUSTOMER/UNC Customer	M M				KEY
COU	CONTRACTOR/UNC Contractor	O M				
IPO	ORDER NUMBER	M			Note 5	KEY
AMN	AMENDMENT NUMBER	M			Note 5	KEY
CHG	CHANGE CODE	M	M	M		Never N at Level 0.
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20		C/20	Note 5	
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	O		O		
QNO	QUOTATION NUMBER	O				
QDT	QUOTATION DATE	O				
CRE	CPL REFERENCE NUMBER	O	O			
CAA	CPL ADD/AMT NUMBER	C	C		M if CRE present	If no CAA fill with zero
UDU	ULTIMATE DESTINAT. CODE/UNC	O	O	O		
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	O	O	O		
RDD	REQUIRED DEL. DATE	O	O	O		Unlikely to be amended by Contractor
CDD	CONTRACTUAL DEL. DATE	O	O	O		
FDD	FORECAST DEL. DATE	O	O	O		
DNO	DIVERSION NUMBER	O	O	O	Note 5	
PTY	PRIORITY REQUIREMENT	O	O	O	Note 5	
SHM	SHIPPING METHOD	O	O	O		
CAU	CARRIER/UNC	O	O	O		
	Carrier	M	M	M		
	User (Nation) Code	O	O	O		
SHU	SHIPPED FROM/UNC	O	O	O		
	Shipped From	M	M	M		
	User (Nation) Code	O	O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
SMB	SUPPLY MANAG. BRANCH INDICATOR	O	O	O		
ECC	EVIDENCE CONTROL CODE	O	O	O		
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				

MESSAGE IDENTIFIER:

SE1/SF1/SG1: ORDER AMENDMENT  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL					
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SRU	SUPPLIER/UNC Supplier	O	O			
	User (Nation) Code	M	M			
		O	O			
SLK	SEGMENT LEVEL KEY		M	M		
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PKD	PREVIOUS KEY DATA		C/8	C/998	M if CHG=N at the Level	
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		M if CHG=N at this Level and NSN not present else Optional	KEY. Note 5. This is used to reference particular Level 1 and Level 2 Segments in the current Order. New SLKs may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present. Note 5. Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs. Note 5
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		M if PNR present	Note 5
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
NSN	NATO STOCK NUMBER		C		M if CHG=N at this Level and PNR not present else Optional	Note 5
	NATO Supply Class		M			
	NATO Item Identification Number		M			
ICY	INTERCHANGEABILITY		O	O		
QTY	QUANTITY		C	C	M if CHG=N or M if COC=SE1 or SF1	
UOI	UNIT OF ISSUE		C		M if CHG=N or COC=SE1 or SF1	
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
SPQ	STANDARD PACKAGE QTY	O	O	O		
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
SER	SERIAL NUMBER			O/99		
AGE	AGERD NUMBER		O			
CAN	CHANGE AUTHORITY NUMBER		O	O		
PLT	PURCHASING LEAD TIME		O			
GQA	GOVMT. QA AND CONTROL		O	O		
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			
UPR	UNIT PRICE		O	O		
AUC	ADDITIVE UNIT PRICE/CUR		O/9	O/9		
	Additive Unit Price		M	M		
	Currency Code		M	M		
CUR	CURRENCY CODE		C	C	M if UPR present	Project Specific



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SE1/SF1/SG1: ORDER AMENDMENT  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
EOC	ECONOMIC CONDITIONS/CUR Economic Conditions		O/9 M	O/9 M		
	Currency Code		M	M		
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION		O	O		
DPT	DELIVERY POINT		O	O		
MSQ	MINIMUM SALES QTY		O	O		
PCA	PRICE CATEGORY		O	O		
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT are present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT are present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	M if EXU and EXC are present	
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present Note 2	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9			
	Total Line Value		M			
	Currency Code		M			
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Costs		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 chars = MC	
	Currency Code		M	M		
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O			
CPU	COPRODUCER/UNC		O/9	O/9		
	Coproducer		M	M		
	User (Nation) Code		O	O		

MESSAGE IDENTIFIER:

SE2/SF2/SG2: ORDER AMENDMENT ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				SE2 will accept an SE1 SF2 will accept an SF1 SG2 will accept an SG1 KEY
CUU	CUSTOMER/UNC Customer	M M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC Contractor	M M				KEY Never N at Level 0 KEY
	User (Nation) Code	C			Note 4	
IPO	ORDER NUMBER	M				
CHG	CHANGE CODE	M	M	M		
AMN	AMENDMENT NUMBER	M			Note 4	
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20		C/20	Note 4	
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	C		C	Note 4	
QNO	QUOTATION NUMBER	C			Note 4	
QDT	QUOTATION DATE	C			Note 4	
CRE	CPL REFERENCE NUMBER	C	C		Note 4	
CAA	CPL ADD/AMT REFERENCE NUMBER	C	C		Note 4	
UDU	ULTIMATE DESTINAT. CODE/UNC	C	C	C	Note 4	
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	C	C	C	Note 4	
RDD	REQUIRED DEL. DATE	C	C	C	Note 4	
CDD	CONTRACTUAL DEL. DATE	C	C	C	Note 4	
FDD	FORECAST DEL. DATE	C	C	C	Note 4	
DNO	DIVERSION NUMBER	C	C	C	Note 4	
PTY	PRIORITY REQUIREMENT	C	C	C	Note 4	
SHM	SHIPPING METHOD	C	C	C	Note 4	
CAU	CARRIER/UNC	C	C	C	Note 4	
	Carrier	M	M	M		
	User (Nation) Code	C	C	C	Note 4	
SHU	SHIPPED FROM/UNC	C	C	C	Note 4	
	Shipped From	M	M	M		
	User (Nation) Code	C	C	C	Note 4	
PLC	PACKAGING LEVEL CODE	C	C	C	Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C	C	C	Note 4	
ECC	EVIDENCE CONTROL CODE	C	C	C	Note 4	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	C/20			Note 4	
	Supplementary Address	M				
	User (Nation) Code	C			Note 4	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SE2/SF2/SG2: ORDER AMENDMENT ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SRU	SUPPLIER/UNC Supplier	C M	C M		Note 4	KEY. This is used to reference particular Level 1 and Level 2 Segments in the current Order. New SLK's may be added. However, if these are generated by splitting or merging existing SLKs then the appropriate PKD(s) must also be present. Indicates the Original SLK. Used only if a new SLK has been added as a result of splitting or merging existing SLKs.
	User (Nation) Code	C	C		Note 4	
SLK	SEGMENT LEVEL KEY		M	M		
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PKD	PREVIOUS KEY DATA		C/8	C/998	Note 4	
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		Note 4	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		Note 4	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		C		Note 4	
NSN	NATO STOCK NUMBER		C		Note 4	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
ICY	INTERCHANGEABILITY		C	C	Note 4	
UOI	UNIT OF ISSUE		C		Note 4	
QTY	QUANTITY		C	C	Note 4	
UOM	UNIT OF MEASURE		C		Note 4	
QUI	QTY PER UNIT OF ISSUE		C		Note 4	
SPQ	STANDARD PACKAGE QTY	C	C	C	Note 4	
ITY	ITEM TYPE		C		Note 4	
KEY	KEYWORD		C		Note 4	
SER	SERIAL NUMBER			C/99	Note 4	
AGE	AGERD NUMBER		C		Note 4	
CAN	CHANGE AUTHORITY NUMBER		C	C	Note 4	
PLT	PURCHASING LEAD TIME		C		Note 4	
GQA	GOVMT. QA AND CONTROL		C	C	Note 4	
DMC	DOMESTIC MANAG. CODE		C		Note 4	
MOI	MODEL IDENTIFICATION		C		Note 4	
UPR	UNIT PRICE		C	C	Note 4	
AUC	ADDITIVE UNIT PRICE/CUR		C/9	C/9	Note 4	
	Additive Unit Price		M	M		
	Currency Code		M	M		
CUR	CURRENCY CODE		C	C	Note 4	
EOC	ECONOMIC CONDITIONS/CUR		C/9	C/9	Note 4	
	Economic Conditions		M	M		
	Currency Code		M	M		
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present	
	Type of Price		M	M		
	Currency Code		M	M		

MESSAGE IDENTIFIER:

SE2/SF2/SG2: ORDER AMENDMENT ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	See appropriate Message Branching Diagram				
		M				
			0	1	2	
	SEGMENT LEVEL		OCH	OJS	OLS	
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
PCO	PRICE CONDITION		C	C	Note 4	
DPT	DELIVERY POINT		C	C	Note 4	
MSQ	MINIMUM SALES QTY		C	C	Note 4	
PCA	PRICE CATEGORY		C	C	Note 4	
EXC	EXCHANGE CURRENCY CODE		C	C	Note 4	
EXU	EXCHANGE RATE/CUR		C/9	C/9	Note 4	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	Note 4	
TCC	TAX CODE/CUR		C/9	C/9	Note 4	
	Tax Code		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		C/9	C/9	Note 4	
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		C/9		Note 4	
	Total Line Value		M			
	Currency Code		M			
ACA	ADJUSTABLE COST DETAILS		C/30	C/30	Note 4	
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	Note 4	
	Currency Code		M	M		
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C		Note 4	
CPU	COPRODUCER/UNC		C/9	C/9	Note 4	
	Coproducer		M	M		
	User (Nation) Code		C	C	Note 4	

**SPECIFICATION 2000M**

**MESSAGE IDENTIFIER:**

**SE3/SF3/SG3: ORDER AMENDMENT REJECTION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
	SEGMENT TAG	OBH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				SE3 will reject an SE1 SF3 will reject an SF1 SG3 will reject an SG1 KEY
CUU	CUSTOMER/UNC Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC Contractor	M				KEY KEY
	User (Nation) Code	C			Note 4	
IPO	ORDER NUMBER	M				
AMN	AMENDMENT NUMBER	M				
SAC	STATUS/ADVICE CODE	M/20				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	C/20			Note 4	
	Supplementary Address	M				
	User (Nation) Code	C			Note 4	
SRU	SUPPLIER/UNC	C			Note 4	
	Supplier	M				
	User (Nation) Code	C			Note 4	

## MESSAGE IDENTIFIER:

SH 1: STATUS INQUIRY  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		0	1	2	
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
SQN	STATUS INQUIRY NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	O/20				
ORU	ORIGINATOR REFERENCE	C/20				Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	C				
PNR	PART NUMBER	C				
MFU	NATO SUPPLY CODE FOR	C				
	MANUF./UNC					
	NATO Supply Code for Manuf.	M				
	User (Nation) Code	O				
NSN	NATO STOCK NUMBER	C				
					M when both IPO and PNR not present	
	NATO Supply Class	M				
	NATO Item Identification Number	M				
SLK	SEGMENT LEVEL KEY	C				Project Specific. See Note.
	Segment Level	M				
	Contractor / Customer Indicator	M				
	Segment Sequence Number	M				
TEI	TEI IDENTITY IDENTIFIER	C/5				The TEI is used to indicate the Data Unit for which information is required. The Data Element value being queried is always omitted, (eg. TEI:FDD)
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				

Note: SLK is optional only if IPO is present. If IPO is not present then SLK must not be present.

If the Customer wishes Information about every delivery within an order, then the SLK is not used. If the Customer wishes Information about all deliveries for a particular Item within an order, then the Level 1 SLK of that Item is to be present. If the Customer wishes Information about a particular delivery line, the Level 2 SLK of that delivery line is to be present.

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH4: STATUS ADVICE (BY ORDER)  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/9				
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 6	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 6	
SQN	STATUS INQUIRY NUMBER	M				KEY
IPO	ORDER NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	C/20	C/20	O/20	Note 2	
PCY	PROVISIONING CATEGORY	C			Note 6	
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20		C/20	Note 6	
	Originator Reference Number	M		M		
	Originator	M		M		
	User (Nation) Code	C		C	Note 6	
PCN	PRIME CONTRACT NUMBER	C			Note 6	
PCD	PROCUREMENT CODE	C			Note 6	
PBN	PROCUREMENT BUDGET NUMBER	C			Note 6	
UDU	ULTIMATE DESTINAT. CODE/UNC	C	C	C	Note 6	
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	C	C	C	Note 6	
RDD	REQUIRED DEL. DATE	C	C	C	Note 6	
CDD	CONTRACTUAL DEL. DATE	C	C	C	Note 6	
FDD	FORECAST DEL. DATE	C	C	C	Note 6	
DEL	DELIVERY DATE	C	C	C	Note 6	
DIU	DEL/INSPECTION NOTE NUMBER/ORT/UNC			C	Note 6	
	Del/Inspect. Note No.			M		
	Originator			M		
	User (Nation) Code			C	Note 6	
DNO	DIVERSION NUMBER	C	C	C	Note 6	
PTY	PRIORITY REQUIREMENT	C	C	C	Note 6	
SHM	SHIPPING METHOD	C	C	C	Note 6	
CAU	CARRIER/UNC	C	C	C	Note 6	
	Carrier	M	M	M		
	User (Nation) Code	C	C	C	Note 6	
SHU	SHIPPED FROM/UNC	C	C	C	Note 6	
	Shipped From	M	M	M		
	User (Nation) Code	C	C	C	Note 6	
PLC	PACKAGING LEVEL CODE	C	C	C	Note 6	
BOL	BILL OF LADING	C	C	C	Note 6	
CNO	CASE NUMBER	C/99	C/99	C/99	Note 6	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C	C	C	Note 6	

## MESSAGE IDENTIFIER:

SH4: STATUS ADVICE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/9				
		M	M	O/999		
				O	9	9
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
ECC	EVIDENCE CONTROL CODE	C	C	C	Note 6	KEY. See Note.
NNR	NOTICOL NUMBER	C	C	C	Note 6	
SCN	SHIPMENT/CONSIGNMENT NUMBER	C	C	C	Note 6	
INR	INVOICE NUMBER	C	C	C	Note 6	
IDT	INVOICE DATE	C	C	C		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	O/20 M				
SRU	User (Nation) Code	C			Note 6	
	SUPPLIER/UNC Supplier	C M	C M		Note 6	
	User (Nation) Code	C	C		Note 6	
SLK	SEGMENT LEVEL KEY Level Code		M M	M M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		Note 6	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		Note 6	
NSN	NATO Supply Code for Manuf. User (Nation) Code		M C		Note 6	
	NATO STOCK NUMBER		C		Note 6	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
ICY	INTERCHANGEABILITY		C	C	Note 6	
QTY	QUANTITY		C	C	Note 6	
UOI	UNIT OF ISSUE		C		Note 6	
UOM	UNIT OF MEASURE		C		Note 6	
QUI	QTY PER UNIT OF ISSUE		C		Note 6	
ITY	ITEM TYPE		C		Note 6	
KEY	KEYWORD		C		Note 6	
SER	SERIAL NUMBER			C/99	Note 6	
AGE	AGERD NUMBER		C		Note 6	
SPQ	STANDARD PACKAGE QTY		C	C	Note 6	
MSQ	MINIMUM SALES QTY		C	C	Note 6	
PLT	PURCHASING LEAD TIME		C		Note 6	
GQA	GOVMT. QA AND CONTROL		C	C	Note 6	
DMC	DOMESTIC MANAG. CODE		C		Note 6	
MOI	MODEL IDENTIFICATION		C		Note 6	
CAN	CHANGE AUTHORITY NUMBER		C	C	Note 6	
SOM	STATE OF MANUFACTURE		C	C	Note 6	If available and SAC requests it

Note: The Level 1 and Level 2 SLK's indicate the current Key in the structure of the IPO. If the SH1 SLK is a Level 1 type, the Level 1 SLK of the SH4 would have the same value and the Level 2 SLK's would indicate the appropriate deliveries within the Item. If the SH1 SLK is a Level 2 type, the Level 1 and Level 2 SLK's in the SH4 must reflect the current Key to this single delivery.



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH4: STATUS ADVICE (BY ORDER)  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M 0	Group 1 O/9			
			M 1	O/999 2		
	SEGMENT LEVEL					
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
DPT STU	DELIVERY POINT SOLD TO/UNC Sold To User (Nation) Code	C M C	C	C	Note 6 Note 6	
CUD	CURE DATE		C	C	Note 6	
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 6	
SIN	SENSITIVITY INDICATOR		C		Note 6	
ITU	INVOICE TO/UNC Invoice To User (Nation) Code	C M C			Note 6 Note 6	
CPU	COPRODUCER/UNC Coproducer User (Nation) Code		C/9 M C	C/9 M C	Note 6 Note 6	
IPP	INITIAL PROVISIONING PROJECT NUMBER	C			Note 6 Note 6	

MESSAGE IDENTIFIER:

SH5: STATUS ADVICE (BY PART)  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/999				
		M	M		O/999	
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	OHH	OKS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 6	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 6	
SQN	STATUS INQUIRY NUMBER	M				KEY
IPO	ORDER NUMBER		M			KEY
SAC	STATUS/ADVICE CODE	C/20	C/20	O/20	Note 2	
PCY	PROVISIONING CATEGORY		C		Note 6	
ORU	ORIGINATOR REFERENCE		C/20	C/20	Note 6	
	NUMBER/ORT/UNC					
	Originator Reference Number		M	M		
	Originator		M	M		
	User (Nation) Code		C	C	Note 6	
PCN	PRIME CONTRACT NUMBER		C		Note 6	
PCD	PROCUREMENT CODE		C		Note 6	
PBN	PROCUREMENT BUDGET		C		Note 6	
	NUMBER					
UDU	ULTIMATE DESTINAT. CODE/UNC		C	C	Note 6	
	Ultimate Destination Code		M	M		
	User (Nation) Code		C	C	Note 6	
RDD	REQUIRED DEL. DATE		C	C	Note 6	
CDD	CONTRACTUAL DEL. DATE		C	C	Note 6	
FDD	FORECAST DEL. DATE		C	C	Note 6	
DEL	DELIVERY DATE		C	C	Note 6	
DIU	DEL/INSPECTION NOTE			C	Note 6	
	NUMBER/ORT/UNC					
	Del/Inspect. Note No.			M		
	Originator			M		
	User (Nation) Code			C	Note 6	
DNO	DIVERSION NUMBER		C	C	Note 6	
PTY	PRIORITY REQUIREMENT		C	C	Note 6	
SHM	SHIPPING METHOD		C	C	Note 6	
CAU	CARRIER/UNC		C	C	Note 6	
	Carrier		M	M		
	User (Nation) Code		C	C	Note 6	
SHU	SHIPPED FROM/UNC		C	C	Note 6	
	Shipped From		M	M		
	User (Nation) Code		C	C	Note 6	
PLC	PACKAGING LEVEL CODE		C	C	Note 6	
BOL	BILL OF LADING		C	C	Note 6	
CNO	CASE NUMBER		C/99	C/99	Note 6	
SMB	SUPPLY MANAG. BRANCH		C	C	Note 6	
	INDICATOR					

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH5: STATUS ADVICE (BY PART)  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 O/999				
		M	M	O/999		
				O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OHH	OKS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
ECC	EVIDENCE CONTROL CODE		C	C	Note 6	Project Specific Project Specific
NNR	NOTICOL NUMBER		C	C	Note 6	
SCN	SHIPMENT/CONSIGNMENT NUMBER		C	C	Note 6	
INR	INVOICE NUMBER		C	C	Note 6	
IDT	INVOICE DATE		C	C	Note 6	
REM	REMARKS	C/20	C/20	C/20		
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	C/20				
	User (Nation) Code	M				
SRU	SUPPLIER/UNC Supplier	O	C		Note 6	
	User (Nation) Code	C	M		Note 6	
SLK	SEGMENT LEVEL KEY Level Code		C	M		KEY. See Note
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER	C			Note 6	
MFU	NATO SUPPLY CODE FOR MANUF./UNC	C			Note 6	
	NATO Supply Code for Manuf.	M				
	User (Nation) Code	C			Note 6	
NSN	NATO STOCK NUMBER	C			Note 6	
	NATO Supply Class	M				
	NATO Item Identification Number	M				
ICY	INTERCHANGEABILITY	C	C		Note 6	
QTY	QUANTITY		C	C	Note 6	
UOI	UNIT OF ISSUE	C	C		Note 6	
UOM	UNIT OF MEASURE		C		Note 6	
QUI	QTY PER UNIT OF ISSUE		C		Note 6	
ITY	ITEM TYPE		C		Note 6	
KEY	KEYWORD		C		Note 6	
SER	SERIAL NUMBER			C/99	Note 6	
AGE	AGERD NUMBER		C		Note 6	
SPQ	STANDARD PACKAGE QTY		C	C	Note 6	
MSQ	MINIMUM SALES QTY		C	C	Note 6	If available and requested by SAC
PLT	PURCHASING LEAD TIME		C		Note 6	
GQA	GOVMT. QA AND CONTROL		C	C	Note 6	
DMC	DOMESTIC MANAG. CODE		C		Note 6	
MOI	MODEL IDENTIFICATION		C		Note 6	
CAN	CHANGE AUTHORITY NUMBER	C	C	C	Note 6	
SOM	STATE OF MANUFACTURE	C	C	C	Note 6	

Note: The SLK in Level 1 indicates the Key of the item within the IPO. The SLK in Level 2 reflects the structure of the current IPO, indicating the deliveries within the Order and Item.

MESSAGE IDENTIFIER:

SH5: STATUS ADVICE (BY PART)  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	Group 1 O/999			
			M	O/999		
			1	2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OHH	OKS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
DPT	DELIVERY POINT	C M C	C	C	Note 6	
STU	SOLD TO/UNC				Note 6	
	Sold To					
	User (Nation) Code			Note 6		
CUD	CURE DATE		C	C	Note 6	
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 6	
SIN	SENSITIVITY INDICATOR		C		Note 6	
ITU	INVOICE TO/UNC		C		Note 6	
	Invoice To		M			
	User (Nation) Code		C		Note 6	
IPP	INITIAL PROVISIONING PROJECT NUMBER	C			Note 6	
CPU	COPRODUCER/UNC		C/9	C/9	Note 6	
	Coproducer		M	M		
	User (Nation) Code		C	C	Note 6	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH6: HASTENING MESSAGE (CUSTOMER TO  
CONTRACTOR TO HASTEN FOLLOW ON  
TRANSACTIONS)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
HNO	HASTENING NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	O/20				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20				Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
TEI	TEI IDENTITY IDENTIFIER	M				Must contain 'COC' and COC value of original message (eg. TEI: COC: SA1)
IPO	ORDER NUMBER	O				Note 7
AMN	AMENDMENT NUMBER	O				Note 7
SQN	STATUS INQUIRY NUMBER	O				Note 7
RQN	REQUEST NUMBER	O				Note 7
QNO	QUOTATION NUMBER	O				Note 7
CRE	CPL REFERENCE NUMBER	O				
CAA	CPL ADD/AMT NUMBER	C			M if CRE present.	Note 7
INR	INVOICE NUMBER	O				Note 7
DIU	DEL/INSPECTION NOTE NUMBER/ORT/UNC	O				
	Del/Inspect. Note No.	M				
	Originator	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFIER	O				
PCN	PRIME CONTRACT NUMBER	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User Nation) Code	O				
NNR	NOTICOL NUMBER	O				Note 7
SMB	SUPPLY MANAG. BRANCH INDICATOR	O				
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
IPP	INITIAL PROVISIONING PROJECT NUMBER	O				

MESSAGE IDENTIFIER:

SH7: HASTENING MESSAGE (CONTRACTOR TO  
CUSTOMER TO HASTEN FOLLOW ON TRANSACTIONS)

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		1	2		
	SEGMENT TAG					
TEI	DATA ELEMENT NAME	OGH			ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
HNO	HASTENING NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	O/20				
ORU	ORIGINATOR REFERENCE	C/20				Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
TEI	TEI IDENTITY IDENTIFIER	M				Must contain 'Command Code' and COC Value of original message (eg. TEI: COC: SX1)
IPO	ORDER NUMBER	O				Note 7
AMN	AMENDMENT NUMBER	O				Note 7
RQN	REQUEST NUMBER	O				Note 7
QNO	QUOTATION NUMBER	O				Note 7
CRE	CPL REFERENCE NUMBER	O				Note 7
CAA	CPL ADD/AMT NUMBER	C			M if CRE present.	Note 7
INR	INVOICE NUMBER	O				Note 7
IDT	INVOICE DATE	O				
ISU	INVOICE SENDER/UNC	O				Note 7
	Invoice Sender	M				
	(User (Nation) Code	O				
DIU	DEL/INSPECTION NOTE	O				
	NUMBER/ORT/UNC					
	Del/Inspect. Note Number	M				
	Originator	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFIER	O				
PCN	PRIME CONTRACT NUMBER	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				
NNR	NOTICOL NUMBER	O				Note 7
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
IPP	INITIAL PROVISIONING PROJECT	O				
	NUMBER					

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH8: HASTENING MESSAGE (CUSTOMER TO  
CONTRACTOR TO HASTEN INITIAL TRANSACTIONS)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
HNO	HASTENING NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	O/20				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20				Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
TEI	TEI IDENTITY IDENTIFIER	M				Must contain 'COC' and COC value of required message (eg. TEI: COC: SJ1)
IPO	ORDER NUMBER	O				Note 7
INR	INVOICE NUMBER	O				Note 7
IDT	INVOICE DATE	O				
ISU	INVOICE SENDER/UNC	O				Note 7
	Invoice Sender	M				
	User (Nation) Code	O				
PPI	PROGR/PAYMENT PLAN IDENT.	O				
PPM	PROGR/PAYMENT MILESTONE NUMBER	O				
AMN	AMENDMENT NUMBER	O				Note 7
SLK	SEGMENT LEVEL KEY	O				Note 7
	Segment Level	M				
	Contractor/Customer Indicator	M				
	Segment Sequence Number	M				
DIU	DEL/INSPECT. NOTE NUMBER/ORT/UNC	O				
	Del/Inspect. Note No.	M				
	Originator	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFIER	O				
PCN	PRIME CONTRACT NUMBER	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				
NNR	NOTICOL NUMBER	O				Note 7
SMB	SUPPLY MANAG. BRANCH INDICATOR	O				
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				

**MESSAGE IDENTIFIER:**

**SH8: HASTENING MESSAGE (CUSTOMER TO CONTRACTOR TO HASTEN INITIAL TRANSACTIONS)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M 0	1	2		
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
RQN	REQUEST NUMBER	O				
PNR	PART NUMBER	O				
MFU	NATO SUPPLY CODE FOR	C				
	MANUF./UNC					
	NATO Supply Code for Manuf.	M				
	User (Nation) Code	O				
NSN	NATO STOCK NUMBER	O				
	NATO Supply Class	M				
	NATO Item Identification Number	M				
IPP	INITIAL PROVISIONING PROJECT	O				
	NUMBER					



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SH9: HASTENING MESSAGE (CONTRACTOR TO  
CUSTOMER TO HASTEN INITIAL TRANSACTIONS)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
HNO	HASTENING NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	O/20				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20				Project Specific
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
TEI	TEI IDENTITY IDENTIFIER	M				Must contain 'COC' and COC value of required message (eg. TEI: COC: SA1)
IPO	ORDER NUMBER	O				Note 7
RQN	REQUEST NUMBER	O				Note 7
QNO	QUOTATION NUMBER	O/20				Note 7
CRE	CPL REFERENCE NUMBER	O				Note 7
CAA	CPL ADD/AMT REFERENCE NUMBER	C			M if CRE present.	Note 7
INR	INVOICE NUMBER	O				Note 7
IDT	INVOICE DATE	O				
ISU	INVOICE SENDER/UNC	O				Note 7
	Invoice Sender	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY	O				Note 7
	Segment Level	M				
	Contractor/Customer Indicator	M				
	Segment/Sequence Number	M				
DIU	DEL/INSPECTION NOTE NUMBER/ORT/UNC	O				
	Del./Inspect. Note No.	M				
	Originator	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFIER	O				
PCN	PRIME CONTRACT NUMBER	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				
PNR	PART NUMBER	O				
MFU	NATO SUPPLY CODE FOR MANUF./UNC	C			M if PNR present	
	NATO Supply Code for Manuf.	M				
	User (Nation) Code	O				
NSN	NATO STOCK NUMBER	O				
	NATO Supply Class	M				
	NATO Item Identification Number	M				

MESSAGE IDENTIFIER:

SH9: HASTENING MESSAGE (CONTRACTOR TO  
CUSTOMER TO HASTEN INITIAL TRANSACTIONS)

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL		1	2		
	SEGMENT TAG	OGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SMB	SUPPLY MANAG. BRANCH INDICATOR	O				
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	O/20 M				
	User (Nation) Code	O				
IPP	INITIAL PROVISIONING PROJECT NUMBER	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SJ1: SHIPMENT ADVICE  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M		M/999	
			M	M	M/999	
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M				KEY
DEL	DELIVERY DATE	O	O	O		
DIU	DEL/INSPECTION NOTE			M		KEY. Link to SJ4
	NUMBER/ORT/UNC					
	Del/Inspect. Note No.			M		
	Originator			M		
	User (Nation) Code			O		
SLK	SEGMENT LEVEL KEY		M	M		KEY. See Note.
	Level Code		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
ORU	ORIGINATOR REFERENCE	C/20	C/20	O/20	Note 2	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M	M	M		
	Originator	M	M	M		
	User (Nation) Code	O	O	O		
PCN	PRIME CONTRACT NUMBER	O				
UDU	ULTIMATE DESTINAT. CODE/UNC	O	O	O		
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	O	O	O		
DNO	DIVERSION NUMBER	O	O	O		
PTY	PRIORITY REQUIREMENT	O	O	O		
SHM	SHIPPING METHOD	O	O	O		
CAU	CARRIER/UNC	O	O	O		
	Carrier	M	M	M		
	User (Nation) Code	O	O	O		
SHU	SHIPPED FROM/UNC	O	O	O		
	Shipped From	M	M	M		
	User (Nation) Code	O	O	O		
SIU	SHIP TO/UNC	O	O	O		
	Ship to	M	M	M		
	User (Nation) Code	O	O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
BOL	BILL OF LADING	O	O	O		
SCN	SHIPMENT/CONSIGNMENT	O	O	O		
	NUMBER					
CNO	CASE NUMBER	O/99	O/99	O/99		
SMB	SUPPLY MANAG. BRANCH	O	O	O		
	INDICATOR					

Note: For each delivery (Level 2 Segment) within an Order there will be only one unique DIU. When the Level 2 delivery is either split or amalgamated, then an amendment (SA4/et alia) to the delivery details must be transmitted. Ideally this should occur before the transmission of the SJ1, however, in the worst case the amendment must be sent before any following shipments.

MESSAGE IDENTIFIER:

SJ1: SHIPMENT ADVICE  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY						
		M	Group 1 M/9				
			M	M/999			
	SEGMENT LEVEL	0	1	2			
	SEGMENT TAG	OCH	OJS	OLS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS	
ECC	EVIDENCE CONTROL CODE	O	O	O			
NNR	NOTICOL NUMBER	O	O	O			
DPT	DELIVERY POINT	O	O	O			
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20			
REM	REMARKS	O/20	O/20	O/20			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20					
	Supplementary Address	M					
	User (Nation) Code	O					
PNR	PART NUMBER		C				M if NSN not present
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C				M if PNR present
	NATO Supply Code for Manuf.		M				
	User (Nation) Code		O				
NSN	NATO STOCK NUMBER		C		M if PNR not present	Level 1 QTY is sum of Level 2 QTYs	
	NATO Supply Class		M				
	NATO Item Identification Number		M				
QTY	QUANTITY		M	M			
UOI	UNIT OF ISSUE		M				
UOM	UNIT OF MEASURE		C		M if UOI non-definitive		
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive		
SPQ	STANDARD PACKAGE QTY		O	O			
ITY	ITEM TYPE		O				
KEY	KEYWORD		O				
SER	SERIAL NUMBER			O/99			
AGE	AGERD NUMBER		O				
GQA	GOVMT. QA AND CONTROL		O	O			
DMC	DOMESTIC MANAG. CODE		O	O			
CUD	CURE DATE		O	O			
HAZ	HAZARDOUS MATERIAL		O/20	O/20			
SIN	SENSITIVITY INDICATOR		O				
SRU	SUPPLIER/UNC	O	O				
	Supplier	M	M				
	User (Nation) Code	O	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SJ4: ACKNOWLEDGEMENT OF RECEIPT  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
		0	1	2		
	SEGMENT TAG	OE H				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M				KEY
DIU	DEL/INSPECTION NOTE	M				KEY. Link to SJ1
	NUMBER/ORT/UNC					
	Del/Inspect. Note No.	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
ORU	ORIGINATOR REFERENCE	C/20			Note 4	
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
BOL	BILL OF LADING	O				
CNO	CASE NUMBER	C/99				See Note below
RDT	RECEIPT DATE	M				
CAU	CARRIER/UNC	O				
	Carrier	M				
	User (Nation) Code	O				
SCN	SHIPMENT/CONSIGNMENT	O				
	NUMBER					
NNR	NOTICOL NUMBER	O				
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
SAC	STATUS/ADVICE CODE	C/20			M if CNO present	See Note Below
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
UDU	ULTIMATE DESTINAT. CODE/UNC	O				
	Ultimate Destination Code	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				
NOTE: If no case numbers transmitted all case numbers assumed received. In discrepant situation quote case numbers received or not received as identified by the SAC.						

**MESSAGE IDENTIFIER:****SR1: SHIPMENT ADVICE  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M		M/999	
			1	2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M				KEY
DEL	DELIVERY DATE	O	O	O		
DIU	DEL/INSPECTION NOTE			M		KEY. Link to SR4
	NUMBER/ORT/UNC					
	Del/Inspect. Note No.			M		
	Originator			M		
	User (Nation) Code			O		
SLK	SEGMENT LEVEL KEY		M	M		KEY
	Segment Level		M	M		
	Contractor / Customer Indicator		M	M		
	Segment Sequence Number		M	M		
ORU	ORIGINATOR REFERENCE	C/20	C/20	O/20	Note 2	Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number	M	M	M		
	Originator	M	M	M		
	User (Nation) Code	O	O	O		
PCN	PRIME CONTRACT NUMBER	O				
UDU	ULTIMATE DESTINAT. CODE/UNC	O	O	O		
	Ultimate Destination Code	M	M	M		
	User (Nation) Code	O	O	O		
DNO	DIVERSION NUMBER	O	O	O		
PTY	PRIORITY REQUIREMENT	O	O	O		
SHM	SHIPPING METHOD	O	O	O		
CAU	CARRIER/UNC	O	O	O		
	Carrier	M	M	M		
	User (Nation) Code	O	O	O		
SHU	SHIPPED FROM/UNC	O	O	O		
	Shipped From	M	M	M		
	User (Nation) Code	O	O	O		
SIU	SHIP TO/UNC	O	O	O		
	Ship to	M	M	M		
	User (Nation) Code	O	O	O		
PLC	PACKAGING LEVEL CODE	O	O	O		
BOL	BILL OF LADING	O	O	O		
SCN	SHIPMENT/CONSIGNMENT	O	O	O		
	NUMBER					
CNO	CASE NUMBER	O/99	O/99	O/99		
SMB	SUPPLY MANAG. BRANCH	O	O	O		
	INDICATOR					

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SR1: SHIPMENT ADVICE  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M	M/999		
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	OCH	OJS	OLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
ECC	EVIDENCE CONTROL CODE	O	O	O		
NNR	NOTICOL NUMBER	O	O	O		
DPT	DELIVERY POINT	O	O	O		
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf. User (Nation) Code		M O			
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
QTY	QUANTITY		M	M		Level 1 QTY is sum of Level 2 QTYs
UOI	UNIT OF ISSUE		M			
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
SPQ	STANDARD PACKAGE QTY		O	O		
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
SER	SERIAL NUMBER			O/99		
AGE	AGERD NUMBER		O			
GQA	GOVMT. QA AND CONTROL		O	O		
DMC	DOMESTIC MANAG. CODE		O	O		
CUD	CURE DATE		O	O		
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O			
SRU	SUPPLIER/UNC	O	O			
	Supplier	M	M			
	User (Nation) Code	O	O			

MESSAGE IDENTIFIER:

**SR4: ACKNOWLEDGEMENT OF RECEIPT  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
			1	2		
	SEGMENT TAG	OE H				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER	M				KEY
DIU	DEL/INSPECTION NOTE	M				KEY. Link to SR1
	NUMBER/ORT/UNC					
	Del/Inspect. Note No.	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
	ORU	C/20			Note 4	
	ORIGINATOR REFERENCE					
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
	BOL	O				
CNO	BILL OF LADING					
RDT	CASE NUMBER	C/99				See Note below
	RECEIPT DATE	M				
	CAU					
	CARRIER/UNC	O				
	Carrier	M				
	User (Nation) Code	O				
SCN	SHIPMENT/CONSIGNMENT	O				
	NUMBER					
	NNR	O				
SMB	SUPPLY MANAG. BRANCH	O				
	INDICATOR					
	ECC	O				
SAC	EVIDENCE CONTROL CODE					
	STATUS/ADVICE CODE	C/20			M if CNO present	See Note Below
	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/USR	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
UDU	ULTIMATE DESTINAT. CODE/UNC	O				
	Ultimate Destination Code	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				
NOTE: If no case numbers transmitted all case numbers assumed received. In discrepant situation quote case numbers received or not received as identified by the SAC.						



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**ST1: NOTIFICATION FOR COLLECTION  
(CONSIGNOR TO CARRIER)**

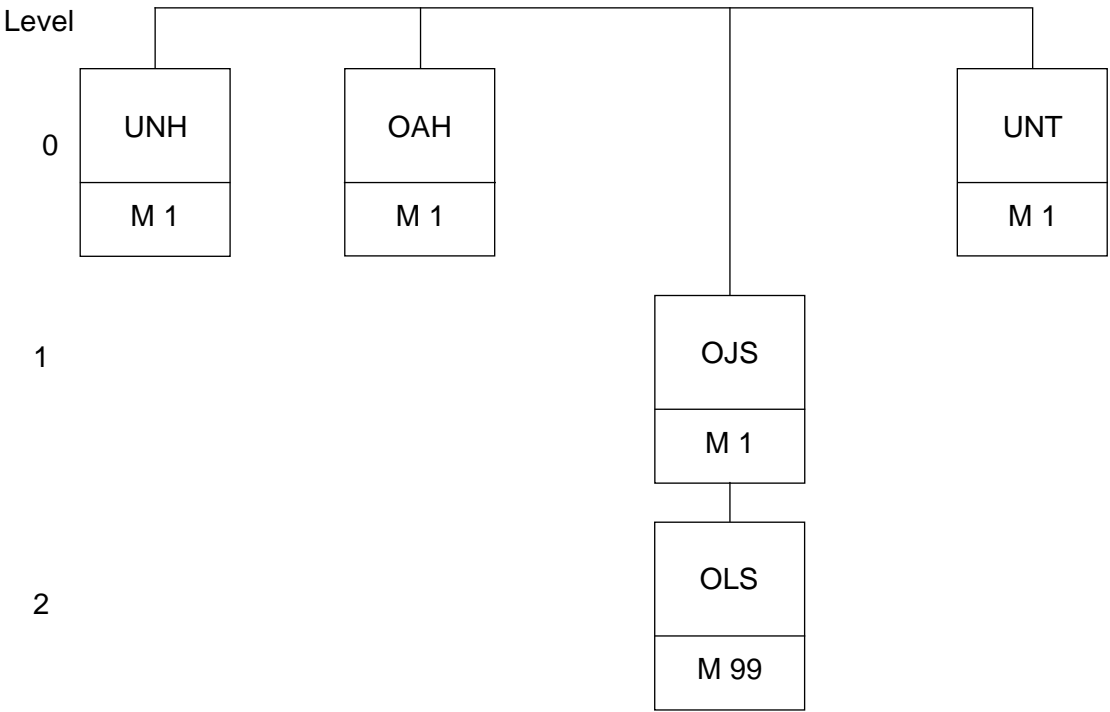
	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M/999			
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	OFH	ONS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY. (Consignor)
	Contractor	M				
	User (Nation) Code	O				
NNR	NOTICOL NUMBER	M				KEY
TNC	TOTAL NUMBER OF CASES	M	M			Level 0 is sum of Level 1s
WOC	WEIGHT OF CONSIGNMENT	M	M			Level 0 is sum of Level 1s
VOC	VOLUME OF CONSIGNMENT	M	M			Level 0 is sum of Level 1s
NOU	NOTICOL ORIGINATOR/UNC	O				If not present default to COU
	Noticol Originator	M				
	User (Nation) Code	O				
CAU	CARRIER/UNC	M				
	Carrier	M				
	User (Nation) Code	O				
UDU	ULTIMATE/DESTINAT. CODE/UNC	O				
	Ultimate Destination Code	M				
	User (Nation) Code	O				
PTY	PRIORITY REQUIREMENT	O				
DPT	DELIVERY POINT	O				
SCN	SHIPMENT/CONSIGNMENT NUMBER		M			KEY
CNO	CASE NUMBER		O/999			
ETC	EARLIEST TIME OF COLLECT.	O				
PUP	PICK-UP POINT (FULL)	C/5			M if CDU not present	
CDU	PICK-UP POINT (CODE)/UNC	O				
	Pick-Up Point	M				
	User (Nation) Code	O				
SIN	SENSITIVITY INDICATOR		O			
HAZ	HAZARDOUS MATERIAL		O/20			
SAC	STATUS/ADVICE CODE	O/20	O/20			
REM	REMARKS	O/20	O/20			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				

## **5. BRANCHING DIAGRAMS**

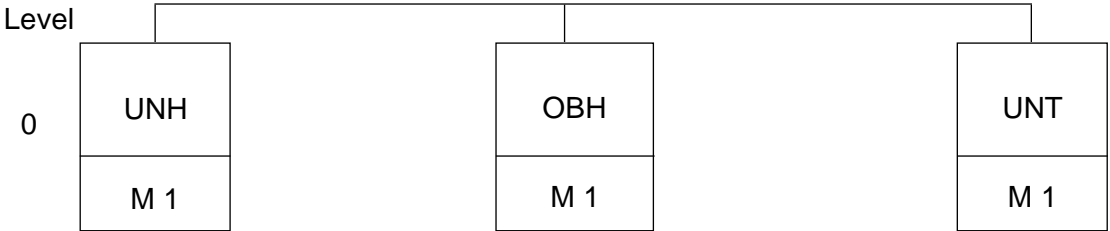
This part shows, in branching diagram form, all the message structures that can be used in the Order Administration transactions.

For details of compilation see Appendix 2, A2-2, paragraph 3.1.5.

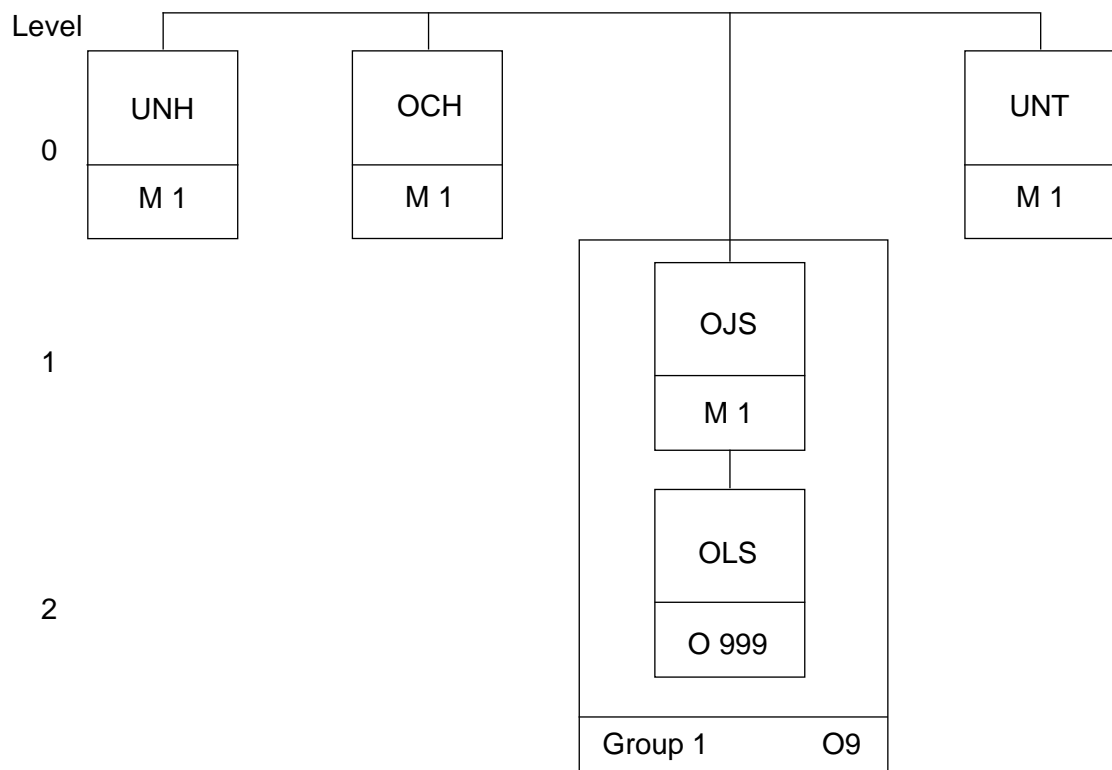
BRANCHING DIAGRAM FOR SA1/SA2 TRANSACTION



BRANCHING DIAGRAM FOR SA3/SB3/SC3/SD3/SE3/SF3/SG3 TRANSACTION



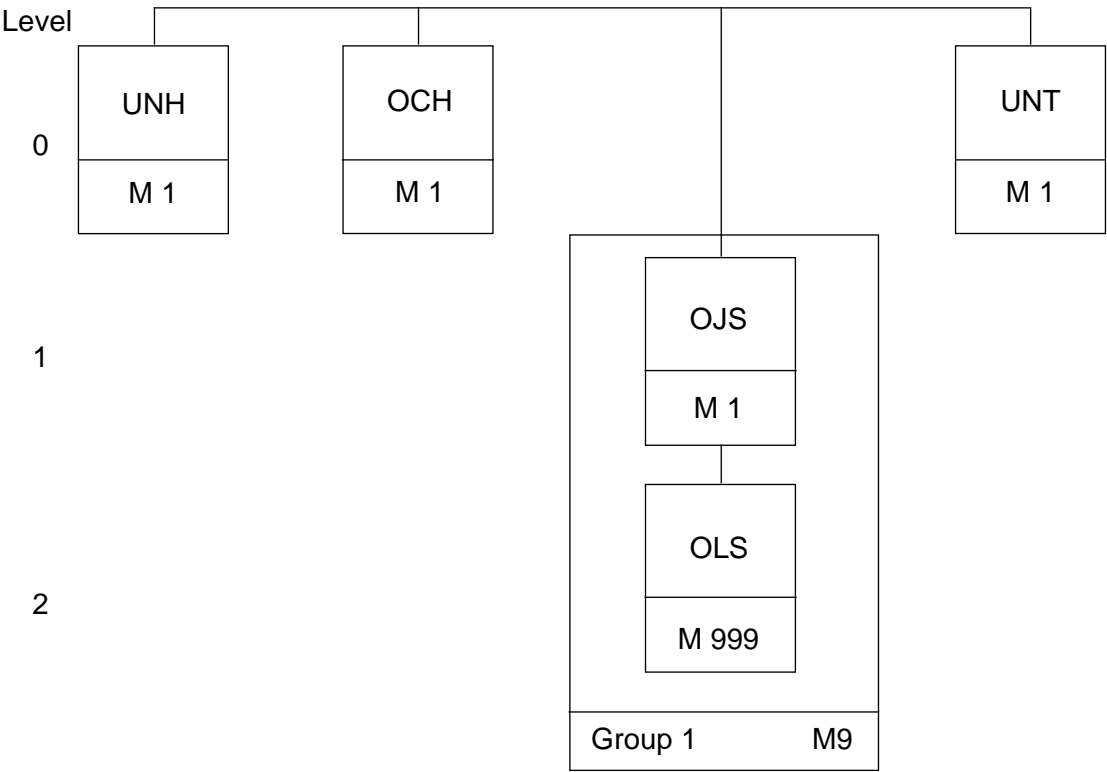
**BRANCHING DIAGRAM FOR SA4/SD1/SD2/SG1/SG2/SH4 TRANSACTION**



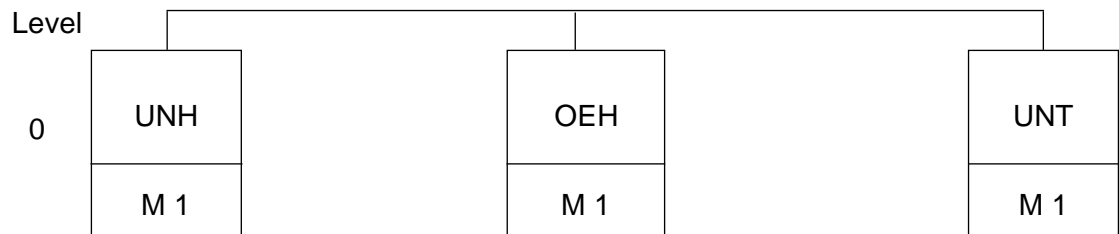
NOTE: Group 1 is Optional because:

- The Amendment messages may be amending Data Elements at Level 0; in which case Level 1 and 2 Segments are not transmitted.
- If the SH1 does not find a matching Order requested, the SAC and REMARKS at Level 0 in the SH4 will identify the situation: Level 1 and 2 will not be transmitted.

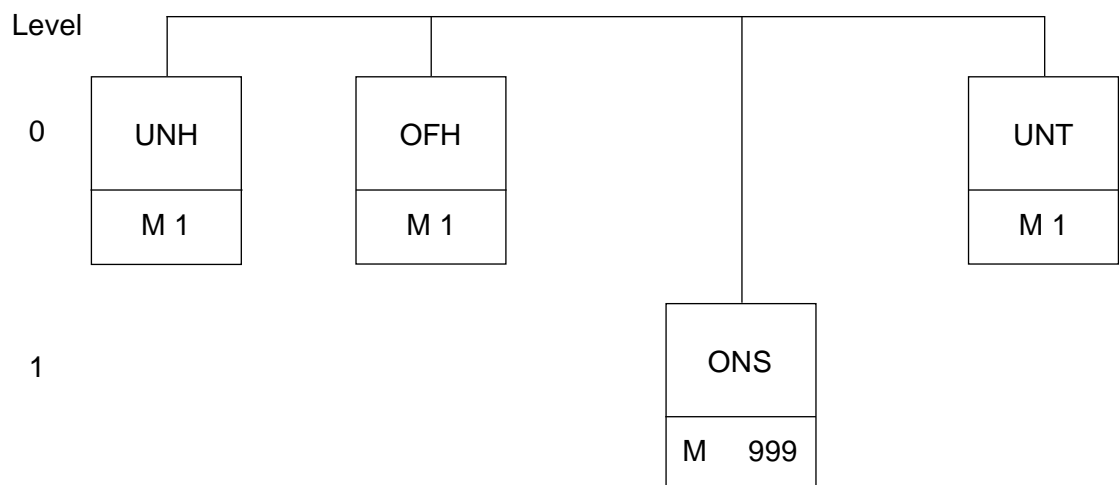
BRANCHING DIAGRAM FOR SB1/SB2/SC1/SC2/SE1/SE2/SF1/SF2/SJ1/SR1  
TRANSACTION



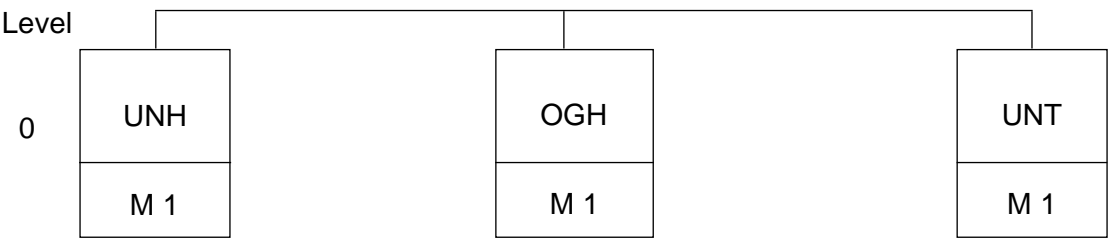
**BRANCHING DIAGRAM FOR SJ4/SR4 TRANSACTION**



**BRANCHING DIAGRAM FOR ST1 TRANSACTION**

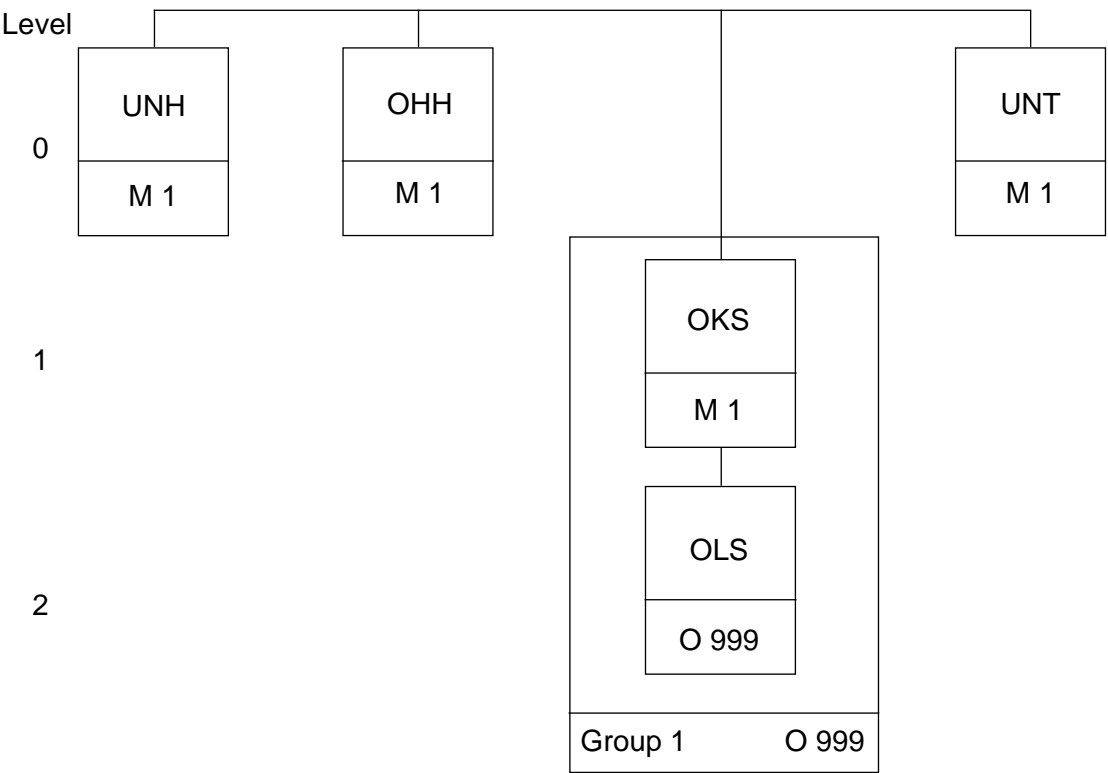


BRANCHING DIAGRAM FOR SH1/SH6/SH7/SH8/SH9 TRANSACTION



BRANCHING DIAGRAM FOR SH5 TRANSACTION

NOTE: Group 1 and the OLS Segment are Optional because the Inquiry posed by the SH1 Message may not be met; the SH5 would then contain a Level 0 Segment with an explanation given by SAC and REMARKS. Group 1 would then not be sent.



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## SPECIFICATION 2000M

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Note: Within the following examples delimiters and release characters are shown to indicate their usage inside the messages as constructed for transmission purposes.  
They will not appear as part of the physical display (Screen/Hardcopy).  
For the definitive rules governing their use see Appendix 2, Section 3, para. 3.

## 1. ORDER PLACEMENT

**Principle:** The examples of orders contained in this section will be used by subsequent examples of other types of messages

### 1.1 Order Placement (Carrying NSN): First Example of SA1 Transaction

1.1.1. A Customer (MATALw) places an order upon a Contractor (MBB) for Quantity 4 of item 2840 121976265 for delivery on 1 September 1992, 1 October 1992 and 1 November 1992.

1.1.2. Latest build standard per date 1 September 1992 only (ie the First Delivery). Quotation Number and Date are to be stated. The Royal Air Force and the French Air Force are to be informed.

#### Message Construction:

Header Segment - UNH

#### Level 0 Segment

OAH+COC:SA1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+PCY:341+PCN:BC7000183ITYLR+QNO:MBBFB21-0077+QDT:260791+UDU:DGYP:0GY+SMB:00DCZ+SAU:RAFA4:\*UK+SAU:FAFA5:\*FR'

#### Level 1 Segment

OJS+SLK:1:S:1+QTY:4+UOI:EA+NSN:2840:121976265'

#### 1. Level 2 Segment

OLS+SLK:2:S:1+QTY:2+RDD:010992+SAC:4F'

#### 2. Level 2 Segment

OLS+SLK:2:S:2+QTY:1+RDD:011092'

#### 3. Level 2 Segment

OLS+SLK:2:S:3+QTY:1+RDD:011192'

Trailer Segment - UNT

## SPECIFICATION 2000M

### Message Translation

Header Segment - UNH

#### Level 0 Segment

OAH Segment Code

#### TEI DATA VALUE

COC	SA1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code; User (Nation) Code omitted
IPO	DGYAEX72070177	Order Number
PCY	341	Provisioning Category 3 = Routine 4 = Replenishment of Stock Item 1 = Acceptance of Quotation
PCN	BC7000183ITYLR	Prime Contract Number; contract between the German Air Force and MBB
QNO	MBBFB21-0077	Quotation Number. PCY 3rd character of 1 makes the presence of QNO Mandatory
QDT	260791	Quotation Date. The presence of QNO makes QDT Mandatory
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code. Its value is applicable to all lower levels unless otherwise stated.
SMB	00DCZ	Supply Management Branch Indicator within MATALw.
SAU	RAFA4:*UK	Supplementary Address/User (Nation) Code.
SAU	FAFA5:*FR	As above

**Level 1 Segment**

OJS Segment Code

**TEI DATA VALUE**

SLK 1:S:1  
Segment Level Key:  
1 is the Segment level  
S is the Originator  
1 is the Segment Sequence Number

QTY 4  
Level 1 (Order) Quantity. This value is the sum of the Level 2 Quantities

UOI EA  
Unit of Issue of "EACH"

NSN 2840:121976265  
NATO Stock Number

**1. Level 2 Segment**

OLS Segment Code

**TEI DATA VALUE**

SLK 2:S:1  
Segment Level Key:  
2 is the Segment level  
S is the Originator  
1 is the Segment Sequence Number

QTY 2  
Level 2 (Delivery) QTY

RDD 010992  
Required Delivery Date

SAC 4F  
Status/Advice Code which identifies that the new build standard is to be delivered.

**2. Level 2 Segment**

OLS Segment Code

**TEI DATA VALUE**

SLK 2:S:2  
Segment Level Key:  
2 is the Segment level  
S is the Originator  
2 is the Segment Sequence Number

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

QTY	1	(Delivery) Quantity
-----	---	---------------------

RDD	011092	Required Delivery Date
-----	--------	------------------------

### 3. Level 2 Segment

OLS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:S:3	Segment Level Key: 2 is the Segment Level S is the Originator 3 is the Segment Sequence Number
-----	-------	---

QTY	1	(Delivery) Quantity
-----	---	---------------------

RDD	011192	Required Delivery Date
-----	--------	------------------------

Trailer Segment - UNT

**1.2. Order Placement By An Agency Between A Customer And A Contractor  
Second Example of SA1 Transaction (with NSN)**

1.2.1. Agencies may have the task on behalf of Customers - e.g. Nations - to carry out all or specific functions of:

- Procurement Planning
- Order Administration
- Invoicing

including the monitoring. Such Agencies are NAMMA\* and NEFMA\*.

The following covers an IP-order for an international project (EFA). It is assumed that each National Air Force raises - without previous quotation - an order against an Agency (NEFMA). The Agency consolidates the national order increments and places an Agency Order on Industry, carrying the Agency's own Order Number (IPO). The Nation's Order Numbers are carried in the order placement transaction as Originator Reference Numbers. The Customer (CUU) of the consolidated order is the Agency, the Contractor (COU) is the industrial organisation as agreed within the Project Contract.

\*NAMMA = NATO Multi Role Combat Aircraft (MRCA) Development and  
Production Management Agency

\*NEFMA = NATO European Fighter Development Production and Logistics  
Management Agency

1.2.2 An Agency places a consolidated order on industry on behalf of separate orders made by 4 Air Forces for the same item NSN 2840 12 1976265, the System Design Responsibility for which rests with BAe. In this example all the related Level 2 data is reported for those TEI's for which the Level 1 consolidated data is not appropriate.

**Message Construction**

Header Segment - UNH

**Level 0 Segment**

OAH+COC:SA1+CUU:NEFMA+COU:K0999+IPO:NE123472080001+PCY:320+PCN:NEFMAA1  
+IPP:K09991234'

**Level 1 Segment**

OJS+SLK:1:S:1+QTY:47+UOI:EA+NSN:2840:121976265+PCO:CIF+DPT:ROTTERDAM'

## SPECIFICATION 2000M

### 1. Level 2 Segment

OLS+SLK:2:S:1+QTY:3+ORU:DGYAEX71070177:00DCZ:\*GY+UDU:DGYAP:0GY+RDD:010992+SMB:00DCZ+SAC:4F'

### 2. Level 2 Segment

OLS+SLK:2:S:2+QTY:7+ORU:ABX100400:MODS9:\*UK+UDU:F3895:\*UK+RDD:060592'

### 3. Level 2 Segment

OLS+SLK:2:S:3+QTY:15+ORU:IAFCC30100:COSTA:5IT+UDU:PBS00:3IT+RDD:161092+ECC:1232ABC'

### 4. Level 2 Segment

OLS+SLK:2:S:4+QTY:22+ORU:SAFMCABX001:MODAF:\*SP+UDU:00DO1:\*SP+RDD:260992'

Trailer Segment - UNT

## Message Translation

Header Segment UNH

### Level 0 Segment

OAH      Segment Code

**TEI      DATA VALUE**

COC      SA1                      Command Code

CUU      NEFMA                   Customer/User (Nation) Code  
User (Nation) Code omitted

COU      K0999                      Contractor/User (Nation) Code  
User (Nation) Code omitted

IPO      NE123472080001           Order Number

PCY      320                            Provisioning Category

PCN      NEFMAA1                      Prime Contract Number; contract between  
NEFMA and EUROFIGHTER/BAe

IPP      K0999123                      Initial Provisioning Project Number

**Level 1 Segment**

OJS Segment Code

**TEI DATA VALUE**

SLK 1:S:1

Segment Level Key:  
1 is the level  
S is the Originator  
1 is the Segment Sequence Number

QTY 47

Level 1 (Order) Quantity. This value is the sum of the Level 2 Quantities and hence represents the order quantity

UOI EA

Unit of Issue of "EACH"

NSN 2840:121976265

NATO Stock Number

PCO CIF

Price Condition

DPT ROTTERDAM

Delivery Point

**1. Level 2 Segment**

OLS Segment Code

**TEI DATA VALUE**

SLK 2:S:1

Segment Level Key:  
2 is the Segment level  
S is the Originator  
1 is the Segment Sequence Number

QTY 3

Level 2 (Delivery) Quantity

ORU DGYAEX71070177:  
00DCZ:\*GY

Originators Reference Number/Originator/  
User (Nation) Code

UDU DGYAP:0GY

Ultimate Destination Code/User (Nation) Code

RDD 010992

Required Delivery Date

SMB 00DCZ

Supply Management Branch Indicator of  
the German Air Force

SAC 4F

Status/Advice Code which identifies that the  
new build standard is to be delivered.



## SPECIFICATION 2000M

### 2. Level 2 Segment

OLS Segment Code

**TEI DATA VALUE**

SLK 2:S:2 Segment Level Key;  
2 is the Segment level  
S is the Originator  
2 is the Segment Sequence Number

QTY 7 (Delivery) Quantity

ORU ABX100400:MODS9:\*UK Originator Reference Number/Originator/User  
(Nation) Code

UDU F3895:\*UK Ultimate Destination Code/User (Nation) Code

RDD 060592 Required Delivery Date

### 3. Level 2 Segment

OLS Segment Code

**TEI DATA VALUE**

SLK 2:S:3 Segment Level Key:  
2 is the Segment Level  
S is the Originator  
3 is the Segment Sequence Number

QTY 15 (Delivery) Quantity

ORU IAFCC30100:COSTA:  
5IT Originator Reference Number/Originator/  
User (Nation) Code

UDU PBS00:3IT Ultimate Destination Code/User (Nation) Code

RDD 161092 Required Delivery Date

ECC 1232ABC Evidence Control Code

**4. Level 2 Segment**

OLS     Segment Code

**TEI     DATA VALUE**

SLK     2:S:4                      Segment Level Key:  
    2 is the Segment Level  
    S is the Originator  
    4 is the Segment Sequence Number

QTY     22                              Level 2 (Delivery) QTY

ORU     SAFMCABX001:MODAF:  
                  \*SP                      Originators Reference Number/Originator/  
    User (Nation) Code

UDU     00DO1:\*SP                      Ultimate Destination Code/User (Nation) Code

RDD     260992                              Required Delivery Date

Trailer Segment - UNT

## SPECIFICATION 2000M

### 1.3 Order Placement (Carrying PNR): Third Example of SA1 Transaction

A Customer (MATALw) places an order upon a Contractor (MBB) for an item, no NSN is available and price information is given. For 6 items of the ordered 10, special delivery advice has been given as follows:

2 EA for RDD 011192 to UDU 50683  
4 EA for RDD 011292 to UDU 70683

#### Message Construction

Header Segment -UNH

##### Level 0 Segment

OAH+COC:SA1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72550001+PCY:340+  
RDD:010992+UDU:DGYAP:0GY+SMB:00DCZ'

##### Level 1 Segment

OJS+SLK:1:S:1+PNR:2894801+MFU:D0272+QTY:10+UOI:EA+UPR:700+CUR:DEM+  
TPC:01:DEM+PCO:EXW+PCA:OA'

##### 1. Level 2 Segment

OLS+SLK:2:S:1+QTY:4'

##### 2. Level 2 Segment

OLS+SLK:2:S:2+QTY:2+RDD:011192+UDU:50683'

##### 3. Level 2 Segment

OLS+SLK:2:S:3+QTY:4+RDD:011292+UDU:70683'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

##### Level 0 Segment

OAH      Segment Code

**TEI DATA VALUE**

COC	SA1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code User (Nation) Code has been omitted
IPO	DGYAEX72550001	Order Number
PCY	340	Provisioning Category 3 = Routine 4 = Replenishment stock item 0 = not used
RDD	010992	Required Delivery Date
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
SMB	00DCZ	Supply Management Branch Indicator

**Level 1 Segment**

OJS Segment Code

**TEI DATA VALUE**

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
PNR	2894801	Part Number of the item
MFU	D0272	NATO Supply Code for Manufacturers/ User (Nation) Code User (Nation) Code omitted
QTY	10	Quantity
UOI	EA	Unit of Issue
UPR	700	Unit Price
CUR	DEM	Currency Code (DM)
TPC	01:DEM	Type of Price/Currency Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

PCO	EXW	Price Condition (Ex-works)
-----	-----	----------------------------

PCA	OA	Price Category (order price)
-----	----	------------------------------

### 1. Level 2 Segment

OLS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:S:1	Segment Level Key: 2 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	---

QTY	4	(Delivery) Quantity
-----	---	---------------------

**2. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:2

Segment Level Key:  
 2 is the Segment Level  
 S is the Originator  
 2 is the Segment Sequence Number

QTY      2

(Delivery) Quantity

RDD      011192

Required Delivery Date (for this delivery)

UDU      50683

Ultimate Destination Code/User (Nation) Code  
 User (Nation) Code omitted

**3. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:3

Segment Level Key:  
 2 is the Segment Level  
 S is the Originator  
 3 is the Segment Sequence Number

QTY      4

(Delivery) Quantity

RDD      011292

Required Delivery Date (for this delivery)

UDU      70683

Ultimate Destination Code/User (Nation) Code  
 User (Nation) Code omitted

Trailer Segment - UNT

## **SPECIFICATION 2000M**

### **1.4 Acceptance of The Order: SA2 Transaction**

- 1.4.1. An SA2 message will generally mirror the order (SA1) to which it refers. Additional data elements, Forecast Delivery Date and Contractual Delivery Date may be added if available.
- 1.4.2. It is possible that a Contractor may use the SA2 message to offer an alternative schedule of deliveries in which case additional Level 2 segments may be constructed and identified by Change Code of "N". This course of action is acceptable if there is no change in the Level 1 Order Quantity. If the Customer does not accept the counter proposal he may cancel the order.
- 1.4.3. Example of an Order Acceptance (SA2) which proposes an alternative schedule of deliveries. The first example of an SA1 (para. 1.1) should be referred to.

### **Message Construction**

Header Segment - UNH

#### **Level 0 Segment**

OAH+COC:SA2+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+CHG:U+PCY:341+PCN:BC7000183ITYLR+QNO:MBBFB21-0077+QDT:260791+UDU:DGYP:0GY+SMB:00DCZ+SAU:FAFA5:\*FR+SAU:RAFA4:\*UK'

#### **Level 1 Segment**

OJS+SLK:1:S:1+CHG:U+QTY:4+UOI:EA+NSN:2840:121976265'

##### **1. Level 2 Segment**

OLS+SLK:2:S:1+CHG:R+QTY:1+RDD:010992+FDD:010992+SAC:4F'

##### **2. Level 2 Segment**

OLS+SLK:2:S:2+CHG:U+QTY:1+RDD:011092'

##### **3. Level 2 Segment**

OLS+SLK:2:S:3+CHG:U+QTY:1+RDD:011192'

##### **4. Level 2 Segment**

OLS+SLK:2:C:4+CHG:N+PKD:2:S:1+QTY:1+RDD:010992+FDD:211092'

Trailer Segment - UNT

## Message Translation

Header Segment - UNH

### Level 0 Segment

OAH Segment Code

#### TEI DATA VALUE

COC	SA2	Command Code
CUU	00DCZ:*GY	Customer/ User (Nation) Code
COU	C0419	Contractor/ User (Nation) Code User (Nation) Code omitted
IPO	DGYAEX72070177	Order Number
CHG	U	Change Code of "U" (Unchanged)
PCY	341	Provisioning Category
PCN	BC7000183ITYLR	Prime Contract Number between GAF and MBB
QNO	MBBFB21-0077	Quotation Number. PCY 3rd character of 1 makes the presence of QNO Mandatory
QDT	260791	Quotation Date. The presence of QNO makes QDT Mandatory
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code. Its value is applicable to all lower levels unless otherwise stated.
SMB	00DCZ	Supply Management Branch Indicator within MATAW.
SAU	RAFA4:*UK	Supplementary Address/User (Nation) Code.
SAU	FAFA5:*FR	As above

### Level 1 Segment

OJS Segment Code



## SPECIFICATION 2000M

### TEI DATA VALUE

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
CHG	U	Change Code of "U" (Unchanged)
QTY	4	Level 1 (Order) Quantity. This value is the sum of the Level 2 Quantities
UOI	EA	Unit of Issue of "EACH"
NSN	2840:121976265	NATO Stock Number

### 1. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK	2:S:1	Segment Level Key: 2 is the Segment Level S is the Originator 1 is the Segment Sequence Number
CHG	R	Change Code of "R" (Revised)
QTY	1	Level 2 (Delivery ) QTY. This value is now different from the SA1. The remaining QTY is contained within the fourth Level 2 Segment.
RDD	010992	Required Delivery Date
FDD	010992	Forecast Delivery Date
SAC	4F	Status/Advice Code

### 2. Level 2 Segment

OLS Segment Code

**TEI      DATA VALUE**

SLK	2:S:2	Segment Level Key: 2 is the Segment Level S is the Originator 2 is the Segment Sequence Number
CHG	U	Change Code of "U" (Unchanged)
QTY	1	(Delivery) Quantity
RDD	011092	Required Delivery Date

## SPECIFICATION 2000M

### 3. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:3      Segment Level Key:  
2 is the Segment Level  
S is the Originator  
3 is the Segment Sequence Number

CHG      U      Change Code of "U" (Unchanged)

QTY      1      (Delivery) Quantity

RDD      011192      Required Delivery Date

### 4. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:C:4      Segment Level Key:  
2 is the Segment Level  
C is the Originator (Contractor)  
4 is the Segment Sequence Number

CHG      N      Change Code of "N" (New Segment.)

PKD      2:S:1      Previous Key Data, indicates the segment which  
has been split

QTY      1      (Delivery) Quantity

RDD      010992      Required Delivery Date

FDD      211092      Forecast Delivery Date

Trailer Segment - UNT

### 1.5 Order Rejection: SA3 Transaction

This example relates to the first example of an SA1 message, see para 1.1. The order has been rejected by the Contractor, because the NATO Stock Number is not recognized.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OBH+COC:SA3+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+SMB:00DCZ+SAC:1F+REM:NSN NOT RECOGNISED'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OBH Segment Code

#### TEI DATA VALUE

COC	SA3	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
IPO	DGYAEX72070177	Order Number
SMB	00DCZ	Supply Management Branch Indicator within MATALw.
SAC	1F	Status/Advice Code, advises: refer to REM
REM	NSN NOT RECOGNISED	

Trailer Segment - UNT

## SPECIFICATION 2000M

### 1.6 Advice of Change (PNR Change): SA4 Transaction

- 1.6.1. This example relates to the order placed at Example 1.3. The Contractor informs the Customer about an executive change.
- 1.6.2. The Part Number is changed to 2894815 but retains the same NSCM (MFU). Quantity 6 of the items will now be delivered under the new PNR (2894815) (which will be in 2 deliveries), QTY 4 will continue to be delivered under the original part number (2894801).
- 1.6.3. In this example the SA4 needs to contain:
  - a. The Level 0 (Order) Key data and the Order Amendment Number.
  - b. The new Level 1 segment for the new Part Number.
  - c. The 2 new Level 2 segments for the 2 separate deliveries of the new Part Number.
  - d. The old Level 1 segment showing the revised QTY of the original Part Number.
  - e. The 2 old Level 2 segments for the 2 deliveries of the old Part Number which are no longer required and have their QTY's reduced to "0".
- 1.6.4. The construction of this message follows the principle of minimum data transmission. The presence of Change Code U makes non-Key Data in the segment Optional. The use of Change Code R requires that only Key Data plus Data Units to be amended need be transmitted. The use of Change Code N indicates new segments and hence the rules of segment creation of the SA1 message are followed.
- 1.6.5. Level 2 segments which are unchanged are not transmitted.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC:SA4+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72550001+AMN:1+CHG:U'

#### New Level 1 Segment

OJS+CHG:N+SLK:1:C:2+PKD:1:S:1+PNR:2894815+MFU:D0272+UOI:EA+QTY:6+ICY:9-+SAC:AC'

#### 1. New Level 2 Segment

OLS+CHG:N+SLK:2:C:4+PKD:2:S:2+QTY:2+RDD:011192+UDU:50683'

## 2. New Level 2 Segment

OLS+CHG:N+SLK:2:C:5+PKD:2:S:3+QTY:4+RDD:011292+UDU:70683'

## Old Level 1 Segment

OJS+CHG:R+SLK:1:S:1+QTY:4'

### 1. Old Level 2 Segment

OLS+CHG:R+SLK:2:S:2+QTY:0'

### 2. Old Level 2 Segment

OLS+CHG:R+SLK:2:S:3+QTY:0'

Trailer Segment - UNT

## Message Translation

Header Segment - UNH

### Level 0 Segment

OCH Segment Code

### TEI DATA VALUE

COC	SA4	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code: User (Nation) Code omitted
IPO	DGYAEX72550001	Order Number from the SA1
AMN	1	Amendment Number
CHG	U	Change Code for this segment (unchanged)

### New Level 1 Segment

OJS Segment Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

CHG	N	Change Code for this segment (new)
SLK	1:C:2	Segment Level Key: 1 is the Segment Level C is the Originator (Contractor) 2 is the Segment Sequence Number
PKD	1:S:1	Previous Key Data, where 1:S:1 is the key to the segment from which this new segment has been derived
PNR	2894815	New Part Number
MFU	D0272	MFU for the new Part Number
UOI	EA	UOI of the new Part Number
QTY	6	Quantity of the new Part Number
ICY	9-	Interchangeability, identifies a 9-9 relationship
SAC	AC	Status/Advice Code

### 1. New Level 2 Segment

OLS Segment Code

TEI	DATA VALUE
-----	------------

CHG	N	Change Code for this segment (new)
SLK	2:C:4	Segment Level Key: 2 is the Segment Level C is the Originator (Contractor) 4 is the Segment Sequence Number
PKD	2:S:2	Previous Key Data, where 2:S:2 is the key to the segment from which this new segment has been derived
QTY	2	(Delivery) Quantity

**TEI DATA VALUE**

RDD 011192 Required Delivery Date (for this delivery)

UDU 50683 Ultimate Destination Code/User (Nation) Code (for this delivery). User (Nation) Code omitted

**2. New Level 2 Segment**

OLS Segment Code

**TEI DATA VALUE**

CHG N Change Code for this segment (new)

SLK 2:C:5 Segment Level Key:  
2 is the Segment Level  
C is the Originator (Contractor)  
5 is the Segment Sequence Number

PKD 2:S:3 Previous Key Data, where 2:S:3 is the key to the segment from which this new segment has been derived

QTY 4 (Delivery) Quantity

RDD 011292 Required Delivery Date (for this delivery)

UDU 70683 Ultimate Destination Code/User (Nation) Code (for this delivery). User (Nation) Code omitted

**Old Level 1 Segment (original segment for original part number)**

OJS Segment Code

**TEI DATA VALUE**

CHG R Change Code for this segment (revised)

SLK 1:S:1 Segment Level Key:  
1 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

QTY 4 Revised Quantity of the original Part Number



## SPECIFICATION 2000M

### 1. Old Level 2 Segment

OLS

Segment Code

**TEI DATA VALUE**

CHG R

Change Code for this segment (revised)

SLK 2:S:2

Segment Level Key:  
2 is the Segment Level  
S is the Originator  
2 is the Segment Sequence Number

QTY 0

(Delivery) Quantity, the value of zero indicates that the delivery is no longer relevant

### 2. Old Level 2 Segment

OLS Segment Code

**TEI DATA VALUE**

CHG R

Change Code for this segment (revised)

SLK 2:S:3

Segment Level Key:  
2 is the Segment Level  
S is the Originator  
3 is the Segment Sequence Number

QTY 0

(Delivery) Quantity, the value of zero indicates that the delivery is no longer relevant

## **2. ORDER AMENDMENT REQUESTS**

### **2.1. Principle**

- 2.1.1. Order Amendment Requests can be initiated by both a Customer (using SB1, SC1 and SD1 messages) and a Contractor (using SE1, SF1 and SG1 messages). The SB1 and SE1 messages may only be used if the Order Quantity (the sum of all Level 1 quantities) is increased; the SC1 and SF1 messages may only be used if the Order Quantity is decreased; the SD1 and SG1 messages are to be used if the Order Quantity remains unchanged.
- 2.1.2. Order Amendment Techniques.  
There are various methods by which Customers or Contractors may specify Amendment Requests to change Orders.  
A request for an amendment need identify only the Amendment Number, the Key Data and the revised or new Data Units in each required Segment .  
This method minimizes the amount of Data to be transmitted.
- 2.1.3. If it is agreed between interchange partners to send more Data, this can be achieved using the rules in Appendix 2, Section 3, para. 4.4. Example 2.10 shows this alternative method to administer order amendments. This method has to be expressively agreed between interchange partners.

### **2.2. Outline**

The following examples of Amendment Messages are related to the first example of an Order (SA1) which is shown in para. 1.1, applying minimum Data transmission rules.

### **2.3. Order Amendment Request - Quantity Increase: SB1 Transaction**

- 2.3.1. An Order Quantity may be increased within 1 month following the automatic acknowledgement of the order.  
There were one Level 1 Segment and three Level 2 Segments; one Level 2 QTY will be reduced to "1", two segments remain unchanged, another will be constructed for QTY "4".
- 2.3.2. In this example the SB1 needs to contain:-
  - a. The Level 0 Key Data, a Change Code and an Amendment Number.
  - b. The Level 1 Key Data, a Change Code and the new value for QTY.
  - c. The Old Level 2 segment to be amended.
  - d. The New Level 2 segment to be constructed.

## SPECIFICATION 2000M

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OCH+COC:SB1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+AMN:1+CHG:U'

## Level 1 Segment

OJS+SLK:1:S:1+CHG:R+QTY:7'

## Old Level 2 Segment

OLS+SLK:2:S:1+CHG:R+QTY:1'

## New Level 2 Segment

OLS+SLK:2:S:4+CHG:N+PKD:2:S:1+QTY:4+DPT:K1234+RDD:010992+SAC:4F'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OCH      Segment Code

TEI	DATA VALUE
-----	------------

COC	SB1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO	DGYAEX72070177	Order Number
-----	----------------	--------------

AMN 1 Amendment Number

CHG      U      Change Code; "U" means segment unchanged

**Level 1 Segment**

OJS      Segment Code

**TEI      DATA VALUE**

SLK      1:S:1      Segment Level Key:  
                                  1 is the Segment Level  
                                  S is the Originator  
                                  1 is the Segment Sequence Number

CHG      R      Change Code "R" means a Data Element is to be amended

QTY      7      New Order Quantity

**Old Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:1      Segment Level Key:  
                                  2 is the Segment Level  
                                  S is the Originator  
                                  1 is the Segment Sequence Number

CHG      R      Change Code "R" means a Data Elements to be amended

QTY      1      Level 2 QTY is to be reduced to 1

**New Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:4      Segment Level Key:  
                                  2 is the Segment Level  
                                  S is the Originator  
                                  4 is the Segment Sequence Number (New)

CHG      N      Change Code "N" means a new segment is to be created. All the applicable Data Units must be sent.

PKD      2:S:1      Previous Key Data; the "1" indicates the Sequence Number of the original Level 2 Segment which has been split.

## SPECIFICATION 2000M

TEI	DATA VALUE	
-----	------------	--

QTY	4	The new (Delivery) Quantity
DPT	K1234	Delivery Point (different from the old)
RDD	010992	Required Delivery Date
SAC	4F	Status / Advice Code

Trailer Segment - UNT

### 2.4 Acceptance of an Order Amendment Request: SB2 Transaction

Refer to the example of an SA2 message. An Order Amendment Request by a Customer will be accepted by an SB2, SC2 or SD2 message depending upon the COC used in the amendment message. The same rules for the acceptance of an Order apply to the acceptance of an Amendment Request.

### 2.5. Rejection of an Order Amendment Request: SB3 Transaction

Refer to the example of an SA3 message. An Order Amendment Request by a Customer will be rejected by an SB3, SC3 or SD3 message depending upon the COC used in the amendment message. The same rules for the rejection of an Order apply to the rejection of an Amendment Request.

## 2.6 Amendment Request - No Change to Order Quantity: SD1 Transaction

The Customer wants to divert and to accelerate parts of the order outlined in the Example at para 1.1. The delivery segment with the old RDD 011092 should be diverted to UDU 50683 as a result of a priority requirement and the RDD for this delivery becomes 060592.

In this example, the minimum data required is the Level 0 key data, the Level 1 key data, the Level 2 key data, Change Codes at the three levels, an Amendment Number and the data to be revised in the Level 2.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC:SD1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+AMN:1+CHG:U'

#### Level 1 Segment

OJS+SLK:1:S:1+CHG:U'

#### Level 2 Segment

OLS+SLK:2:S:2+CHG:R+UDU:50683+RDD:060592+DNO:881234+PTY:AOG'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

OCH Segment Code

**TEI DATA VALUE**

COC SD1 Command Code

CUU 00DCZ:\*GY Customer/User (Nation) Code

COU C0419 Contractor/User (Nation) Code  
User (Nation) Code omitted

IPO DGYAEX72070177 Order Number

AMN 1 Amendment Number

## SPECIFICATION 2000M

### TEI DATA VALUE

CHG U Change Code "U" (unchanged)

### Level 1 Segment

OJS Segment Code

### TEI DATA VALUE

SLK 1:S:1 Segment Level Key:  
1 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

CHG U Change Code (unchanged)

### Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK 2:S:2 Segment Level Key:  
2 is the Segment Level  
S is the Originator  
2 is the Segment Sequence Number

CHG R Change Code (revised)

UDU 50683 Ultimate Destination Code/User (Nation) Code  
(for this delivery), User (Nation) Code omitted

RDD 060592 Required Delivery Date

DNO 881234 Diversion Number

PTY AOG Priority Requirement (Aircraft on Ground)

Trailer Segment - UNT

## 2.7. Acceptance/Rejection of the Amendment Request

The procedures for the acceptance/rejection of an Amendment Request are outlined in paras 2.4 and 2.5.

## 2.8 Amendment Request - Part Number Change, No Change to Order Quantity: SD1 Transaction

The Customer wants to amend the order to have the first delivery supplied as a different part number (2891234). Subsequent deliveries are to remain under the original part number. This Example refers to the order placed in para. 1.3.

The original Level 1 segment is reduced by the first delivery quantity and the Level 2 quantity reduced to zero. The new Level 1 and 2 segments are established.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC:SD1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72550001+SMB:00DCZ+CHG:U+AMN:1'

#### 1. Level 1 Segment

OJS+SLK:1:S:1+PNR:2894801+MFU:DO272+QTY:6+CHG:R'

#### Cancelled Level 2 Segment

OLS+SLK:2:S:1+QTY:0+CHG:R'

#### New Level 1 Segment

OJS+SLK:1:S:2+PNR:2891234+MFU:D0272+QTY:4+UOI:EA+CHG:N+UDU:DGYAP:OGY+UPR:700+CUR:DEM+TPC:01:DEM+PCO:EXW+PCA:OA+PKD:1:S:1'

#### New Level 2 Segment

OLS+SLK:2:S:4+QTY:4+CHG:N+PKD:2:S:1'

### Message Translation

Header Segment - UNH

#### Level 0 Segment

OCH      Segment Code



## SPECIFICATION 2000M

### TEI DATA VALUE

COC	SD1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
IPO	DGYAEX72550001	Order Number
SMB	00DCZ	Supply Management Branch Indicator
CHG	U	Change Code (unchanged)
AMN	1	Amendment Number

### 1. Level 1 Segment

OJS Segment Code

### TEI DATA VALUE

SLK	1:S:1	Segment Level Key 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturer/ User (Nation) Code User (Nation) Code omitted
QTY	6	Quantity
CHG	R	Change Code (revised)

### Cancelled Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK	1:S:1	Segment Level Key 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	--

**TEI DATA VALUE**

QTY 0 Quantity changed to 'zero'.

CHG R Change Code (revised)

**New Level 1 Segment**

OJS Segment Code

**TEI DATA VALUE**

SLK 1:S:1 Segment Level Key  
1 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

PNR 2891234 Part Number

MFU D0272 NATO Supply Code for Manufacturer/  
User (Nation) Code  
User (Nation) Code omitted

QTY 4 Quantity

UOI EA Unit of issue, equals 'EACH'

CHG N Change Code (new). All the applicable Data Units must be sent.

UDU DGYAP:OGY Ultimate Destination Code/User (Nation) Code

UPR 700 Unit Price including two implied decimal places

CUR DEM Currency Code (DM)

TPC 01:DEM Type of Price/Currency Code

PCO EXW Price Condition (Ex-works)

PCA OA Price Category (order price)

PKD 1:S:1 Previous Key Data: the last digit ("1") indicates the Sequence Number of the Original Level 1 Segment which has been split.

## SPECIFICATION 2000M

### New Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:4      Segment Level Key  
2 is the Segment Level  
S is the Originator  
4 is the Segment Sequence Number (new)

QTY      4      Quantity

CHG      N      Change Code

PKD      2:S:1      Reference to the original Level 2 Segment

Trailer Segment - UNT

## 2.9 Amendment Request - Part Number Change, No Change to Order Quantity: SG1 Transaction

This example refers to the order placed in para. 1.3.

The Contractor requests that the order be satisfied with a different part number in order to meet delivery requirements. No extra cost will be incurred.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OCH+COC:SG1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYYAEX72550001+SMB:00DCZ+AMN:1+CHG:U'

## Level 1 Segment

OJS+SLK:1:S:1+PNR:2891234+MFU:D0272+QTY:10+ICY:44+CHG:R+  
REM: NO ADDITIONAL COSTS WILL BE INCURRED+  
REM: ESSENTIAL IF DELIVERY IS TO BE SATISFIED'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OCH      Segment Code

TEI	DATA VALUE
-----	------------

COC	SG1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO	DGYAEX72550001	Order Number
-----	----------------	--------------

SMB	00DCZ	Supply Management Branch Indicator
-----	-------	------------------------------------

AMN 1 Amendment Number

CHG      U                          Change Code (unchanged)

## SPECIFICATION 2000M

### Level 1 Segment

OJS      Segment Code

**TEI      DATA VALUE**

SLK      1:S:1      Segment Level Key:  
1 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

PNR      2891234      Part Number

MFU      D0272      NATO Supply Code for Manufacturer/  
User (Nation) Code  
User (Nation) Code omitted

QTY      10      Quantity

ICY      44      Interchangeability of the Part Numbers

CHG      R      Change Code (revised)

REM      Remarks in clear text

REM      Remarks in clear text

Trailer Segment - UNT

**2.10 Amendment Request - No Change to Order Quantity: SD1 Transaction**

The customer wants to divert and to accelerate parts of the order outlined in the example of para. 1.1. The Level 2 segment with the RDD 011092 shall be diverted to UDU 50683 as a result of a priority requirement and the RDD for this delivery changes to 060592. In this example, all data of Level 0, Level 1 and Level 2 forming the new requested order situation are transmitted. Data to be deleted is also to be transmitted.

To identify the deletion of an existing data element within the current order situation it is assumed that the example of para. 1.1 carries within the third level 2 segment the CAU:NAGEL.

**Message Construction**

Header Segment - UNH

**Level 0 Segment**

OCH+COC:SD1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+AMN:1+CHG:U+PCY:341+PCN:BC7000183ITYLR+UDU:DGYP:0GY+SMB:00DCZ+SAU:RAFA4:\*UK+SAU:FAFA5:\*FR'

**Level 1 Segment**

OJS+SLK:1:S:1+CHG:U+QTY:4+UOI:EA+NSN:2840:121976265'

**1. Level 2 Segment**

OLS+SLK:2:S:1+CHG:U+QTY:2+RDD:010992+SAC:4F'

**2. Level 2 Segment**

OLS+SLK:2:S:2+CHG:R+QTY:1+RDD:060592+UDU:50683+DNO:881234+PTY:AOG'

**3. Level 2 Segment**

OLS+SLK:2:S:3+CHG:R+QTY:1+RDD:011192+CAU:'

Trailer Segment - UNT

## SPECIFICATION 2000M

### Message Translation

Header Segment - UNH

#### Level 0 Segment

OCH Segment Code

#### TEI DATA VALUE

COC SD1 Command Code

CUU 00DCZ:\*GY Customer/User (Nation) Code

COU C0419 Contractor/User (Nation) Code  
User (Nation) Code omitted

IPO DGYAEX72070177 Order Number

AMN 1 Amendment Number

CHG U Change Code, (unchanged)

PCY 341 Provisioning Category  
3 = Routine  
4 = Replenishment of Stock Item  
1 = Acceptance of Quotation

PCN BC7000183ITYLR Prime Contract Number, contract between  
the German Air Force and MBB

UDU DGYAP:0GY Ultimate Destination Code/ User (Nation) Code. Its  
value is applicable to all lower levels unless otherwise  
stated.

SMB 00DCZ Supply Management Branch Indicator within  
MATALw.

**TEI      DATA VALUE**

SAU      RAFA4:\*UK      Supplementary Address/User (Nation) Code.

SAU      FAFA5:\*FR      As above

**Level 1 Segment**

OJS      Segment Code

**TEI      DATA VALUE**SLK      1:S:1      Segment Level Key.  
1 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

CHG      U      Change Code U (unchanged)

QTY      4      The Level 1 (Order) Quantity. This value  
is the sum of the Level 2 Quantities

UOI      EA      Unit of Issue of "EACH"

NSN      2840:121976265      NATO Stock Number

**1. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**SLK      2:S:1      Segment Level Key.  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

CHG      U      Change Code U (unchanged)

QTY      2      (Delivery) Quantity

RDD      010992      Required Delivery Data

SAC      4F      Status/Advice Code, which identifies that the new  
build standard is to be delivered



## SPECIFICATION 2000M

### 2. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:2      Segment Level Key.  
2 is the Segment Level  
S is the Originator  
2 is the Segment Sequence Number

CHG      R      Change Code R (revised)

QTY      1      (Delivery) Quantity

RDD      060592      Required Delivery Data

UDU      50683      Ultimate Destination Code/User (Nation) Code  
User (Nation) Code omitted

DNO      881234      Diversion Number

PTY      AOG      Priority (Aircraft on Ground)

### 3. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:3      Segment Level Key.  
2 is the Segment Level  
S is the Originator  
3 is the Segment Sequence Number

CHG      R      Change Code R (revised)

QTY      1      (Delivery) Quantity

RDD      011192      Required Delivery Data

CAU      CARRIER, value left blank to indicate that  
this data element value is to be deleted.

Trailer Segment - UNT

### 3. Status Inquiry

### 3.1. Status Inquiry against NSN: SH1 Transaction

The Customer (GAF) seeks status information for outstanding orders. The outstanding order of the example at para. 1.1 is inquired. In addition there is a second order outstanding (Order No DGYAEX7207188) which will also be inquired.

This second Order has several Level 1 occurrences. In this example the third Level 1 has outstanding deliveries for the specified NSN. Only the first, third and fourth Level 2 deliveries are outstanding.

This example will produce an SH5 Message.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OGH+COC:SH1+CUU:00DCZ:\*GY+COU:C0419+SQN:1+SAC:1A+NSN:2840:121976265'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OGH	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

COC	SH1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

SQN	1	Status Inquiry Number
-----	---	-----------------------

SAC	1A	Status/Advice Code; requests details of outstanding orders only
-----	----	---

NSN 2840:121976265 NATO Stock Number

Trailer Segment - UNT

## **SPECIFICATION 2000M**

### **3.2. Response to a Status Inquiry: SH5 Transaction**

This SH5 message refers to the SH1 of para. 3.1.

#### **Message Construction**

Header Segment - UNH

#### **Level 0 Segment**

OHH+COC:SH5+CUU:00DCZ:\*GY+COU:C0419+SQN:1+NSN:2840:121976265'

#### **1. Level 1 Segment**

OKS+SLK:1:S:1+IPO:DGYAEX72070177+PCY:341+PCN:BC7000183ITYLR+QTY:4+UOI:EA+UDU:DGYAP:0GY+SMB:00DCZ'

#### **1. Level 2 Segment**

OLS+SLK:2:S:1+QTY:2+RDD:010992+SAC:4F'

#### **2. Level 2 Segment**

OLS+SLK:2:S:2+QTY:1+RDD:011092'

#### **3. Level 2 Segment**

OLS+SLK:2:S:3+QTY:1+RDD:011192'

#### **2. Level 1 Segment**

OKS+SLK:1:S:3+IPO:DGYAEX72070188+PCY:340+PCN:BC7000183ITYLR+QTY:4+UOI:EA+UDU:DGYAP:0GY+SMB:00DCZ+PNR:123ABC?+Z1+MFU:D0272'

#### **1. Level 2 Segment**

OLS+SLK:2:S:1+QTY:2+RDD:010992+SAC:4F'

#### **2. Level 2 Segment**

OLS+SLK:2:S:3+QTY:1+RDD:011092'

#### **3. Level 2 Segment**

OLS+SLK:2:S:4+QTY:1+RDD:011192'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OHH      Segment Code

TEI	DATA VALUE
-----	------------

COC	SH5	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code (User (Nation) Code omitted)
-----	-------	---

SQLN	1	Status Inquiry Number of the Request
------	---	--------------------------------------

NSN 2840:121976265 NATO Stock Number

## 1. Level 1 Segment

OKS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number of the related Order
-----	-------	--

IPO	DGYAEX72070177	Order Number
-----	----------------	--------------

PCY	341	Provisioning Category
-----	-----	-----------------------

PCN BC7000183ITYLR Prime Contract Number

QTY	4	Level 1 Quantity. This value is the sum of the Level 2 Quantities
-----	---	---

UOI	EA	Unit of Issue of "EACH"
-----	----	-------------------------

## SPECIFICATION 2000M

### TEI DATA VALUE

UDU DGYAP:0GY Ultimate Destination Code/User (Nation) Code; this value relates to all the Levels 2

SMB 00DCZ Supply Management Branch Indicator. This SMB applies to all Levels 2

### 1. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK 2:S:1 Segment Level Key  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number within the Order

QTY 2 Level 2 (Delivery) QTY

RDD 010992 Required Delivery Date

SAC 4F Status/Advice Code

### 2. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK 2:S:2 Segment Level Key:  
2 is the Segment Level  
S is the Originator  
2 is the Segment Sequence Number within the Order

QTY 1 (Delivery) Quantity

RDD 011092 Required Delivery Date

**3. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:3      Segment Level Key:  
 2 is the Segment Level  
 S is the Originator  
 3 is the Segment Sequence Number within the Order

QTY      1      (Delivery) Quantity

RDD      011092      Required Delivery Date

**2. Level 1 Segment**

OKS      Segment Code

**TEI      DATA VALUE**

SLK      1:S:3      Segment Level Key:  
 1 is the Segment Level  
 S is the Originator  
 3 is the Segment Sequence Number within the Order

IPO      DGYAEX72070188      Order Number

PCY      340      Provisioning Category

PCN      BC7000183ITYLR      Prime Contract Number

QTY      4      Level 1 Quantity. This value is the sum of the Level 2 Quantities

UOI      EA      Unit of Issue of "EACH"

UDU      DGYAP:0GY      Ultimate Destination Code/User (Nation) Code.

SMB      00DCZ      Supply Management Branch Indicator MATAW.

PNR      123ABC?+Z1      The Manufacturer's Part Number. The Number includes a "+" character which has to be preceded by a Release Character (?). (Translation for Application: 123ABC+Z1)

## SPECIFICATION 2000M

### TEI DATA VALUE

MFU D0272 NATO Supply Code for Manufacturers/User (Nation) Code.  
User (Nation) Code omitted

### 1. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK 2:S:1 Segment Level Key  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number within the Order

QTY 2 Level 2 (Delivery) QTY

RDD 010992 Required Delivery Date

SAC 4F Status/Advice Code

### 2. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK 2:S:3 Segment Level Key:  
2 is the Segment Level  
S is the Originator  
3 is the Segment Sequence Number within the Order

QTY 1 (Delivery) Quantity

RDD 011092 Required Delivery Date

### 3. Level 2 Segment

OLS Segment Code

SLK 2:S:4 Segment Level Key:  
2 is the Segment Level  
S is the Originator  
4 is the Segment Sequence Number within the Order

TEI	DATA VALUE
-----	------------

QTY 1 (Delivery) Quantity

RDD	011192	Required Delivery Date
-----	--------	------------------------

Trailer Segment - UNT



## SPECIFICATION 2000M

### 3.3. Status Inquiry against IPO: SH1 Transaction

This message contains the Order Number, without either the PNR or NSN, and hence it will produce an SH4 message, based on the Order Placement Example given at para. 1.1.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OGH+COC:SH1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+SQN:1+SAC:1A'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OGH Segment Code

TEI	DATA VALUE
-----	------------

COC	SH1	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
IPO	DGYAEX72070177	Order Number
SQN	1	Status Inquiry Number
SAC	1A	Status/Advice Code

## Trailer Segment - UNT

### 3.4. Response to a Status Inquiry: SH4 Transaction

This SH4 Message refers to the SH1 of para. 3.3.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OCH+COC:SH4+CUU:00DCZ:\*GY+COU:C0419+SQN:1+IPO:DGYAEX72070177+PCY:341+PCN:BC7000183ITYLR+UDU:DGYAP:0GY+SMB:00DCZ'

## Level 1 Segment

OJS+SLK:1:S:1+QTY:4+UOI:EA+NSN:2840:121976265'

## 1. Level 2 Segment

OLS+SLK:2:S:1+QTY:2+RDD:010992+FDD:010992+SAC:BA'

## 2. Level 2 Segment

OLS+SLK:2:S:2+QTY:1+RDD:011092+FDD:011092'

### 3. Level 2 Segment

OLS+SLK:2:S:3+QTY:1+RDD:011192+FDD:011192'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OCH      Segment Code

TEI	DATA VALUE
-----	------------

COC	SH4	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

## SPECIFICATION 2000M

### TEI DATA VALUE

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
SQN	1	Status Inquiry Number
IPO	DGYAEX72070177	Order Number
PCY	341	Provisioning Category
PCN	BC7000183ITYLR	Prime Contract Number
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
SMB	00DCZ	Supply Management Branch Indicator

### Level 1 Segment

OJS Segment Code

### TEI DATA VALUE

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	4	The Level 1 Quantity. This value is the sum of the Level 2 Quantities
UOI	EA	Unit of Issue ("EACH")
NSN	2840:121976265	NATO Stock Number

### 1. Level 2 Segment

OLS Segment Code

### TEI DATA VALUE

SLK	2:S:1	Segment Level Key: 2 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	---

**TEI      DATA VALUE**

QTY	2	(Delivery) Quantity
RDD	010992	Required Delivery Date
FDD	010992	Forecast Delivery Date
SAC	BA	Status/Advice Code

**2. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK	2:S:2	Segment Level Key: 2 is the Segment Level S is the Originator 2 is the Segment Sequence Number
QTY	1	(Delivery) Quantity
RDD	011092	Required Delivery Date
FDD	011092	Forecast Delivery Date

**3. Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK	2:S:3	Segment Level Key: 2 is the Segment Level S is the Originator 3 is the Segment Sequence Number
QTY	1	(Delivery) Quantity
RDD	011192	Required Delivery Date
FDD	011192	Forecast Delivery Date

Trailer Segment - UNT

If the order, quoted in the SH1, includes more than one item, then the Levels 1 and related Levels 2 for each item would be included as appropriate.

## SPECIFICATION 2000M

### 3.5. Status Inquiry against NSN and IPO: SH1 Transaction

This SH1, which contains the Order Number and the item identification Number, will produce an SH4 message.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OGH+COC:SH1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+SQN:123+  
NSN:2840:121976265'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OGH	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

COC	SH1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO	DGYAEX72070177	Order Number
-----	----------------	--------------

SQL	123	Status Inquiry Number
-----	-----	-----------------------

NSN 2840:121976265 NATO Stock Number

## Trailer Segment - UNT

### 3.6. Status Inquiry against NSN, IPO, and Specified Data Units: SH1 Transaction

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OGH+COC:SH1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+SQN:125+  
NSN:2840:121976265+SLK:2:S:1+TEI:FDD'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OGH	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

COC	SH1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO DGYAEX72070177 Order Number

SQN 125 Status Inquiry Number

NSN 2840:121976265 NATO Stock Number

SLK	2:S:1	Segment Level Key of the segment under inquiry
-----	-------	--

TEI	FDD	Indicates the TEI of the Data Unit under inquiry
-----	-----	--

Trailer Segment - UNT



**Level 1 Segment**

OJS      Segment Code

**TEI      DATA VALUE**

SLK      1:S:1      Segment Level Key, Level 1 Segment of original Order.

**Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:1      Segment Level Key, Level 2 Segment of original Order.

FDD      010992      The Forecast Delivery Date which was inquired in the SH1

Trailer Segment - UNT

If a Segment Level Key is specified without specific TEI's, then the whole segment will be returned in the SH4.





**TEI      DATA VALUE**

MFU	C04199:*GY	NSCM/User (Nation) Code
TEI	COC: SX1	Command Code of the message to which a response is hastened.
INR	MBB19920114	Contractors (MBB) Invoice Number
IDT	100292	Invoice Date

Trailer Segment - UNT

## SPECIFICATION 2000M

## 4.2 Hastening Message Contractor to Customer: SH9 Transaction

The Contractor (MBB) receives a defective intake door panel (Part Number: C4299387-2) from the German Airforce for repair (SR1 Transaction has been received). The appropriate order to authorize the repair (SA1 Transaction) has not been received. So an SH9 Hastening Message is sent.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OGH+COC:SH9+CUU:00DCZ:\*GY+COU:C00419:\*GY+HNO:MBB1+TEI:COC:  
SA1+IPO:NE123475680022+DIU:GAF7931ED:00DCZ:\*GY+PNR:C429387-2+MFU:  
C0419:\*GY'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OGH	Segment Code
-----	--------------

TEI	DATA VALUE
TEI1	100
TEI2	200
TEI3	300
TEI4	400
TEI5	500
TEI6	600
TEI7	700
TEI8	800
TEI9	900
TEI10	1000

COC	SH9	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	CO419:*GY	Contractor/User (Nation) Code
HNO	MBB1	Hastener Number
TEI	COC:SA1	Command Code of the message to be initiated
IPO	NE123475680022	Order Number quoted in the Shipment Advice (SR1) Message
DIU	GAF7931ED:00DCZ:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code

**TEI      DATA VALUE**

PNR      C429387-2

Part Number of item received

MFU      C0419:\*GY

NATO Supply Code for Manufacturers/  
User (Nation) Code

Trailer Segment - UNT

## SPECIFICATION 2000M

### 5. SHIPMENT INFORMATION

#### 5.1. Shipment Advice by Contractor/Consignor: SJ1 Transaction

This example relates to the Example at para 1.1. The IPO DGYAEX72070177, NSN:2840 121976265 is ready for shipment. All 3 delivery quantities are available on 280892. Two deliveries are directed to UDU DGYAP:0GY by NAGEL trucks, one is directed to UDU 50683:\*GY to be carried by military carrier. For special reason, a copy of the SJ1 should go to NAMMA.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC: SJ1+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+SHU:C0419:\*GY+SAC:BL+SAU:NAMMA+PCN:BC700183ITYLR'

#### Level 1 Segment

OJS+SLK:1:S:1+NSN:2840:121976265+QTY:4+UOI:EA+KEY:ZAHNRAD,GEAR'

#### 1. Level 2 Segment

OLS+SLK:2:S:1+QTY:2+DEL:280892+DIU:GPS0182401:C0419:\*GY+UDU:DGYAP:0GY+SHM:OT+CAU:NAGEL:\*GY+BOL:82470001+SCN:MBB0001+CNO:MN0001+CNO:MN0004+NNR:MBBNA82470001+SIN:X'

#### 2. Level 2 Segment

OLS+SLK:2:S:2+QTY:1+DEL:280892+DIU:GPS0182402:C0419:\*GY+UDU:50683:\*GY+DNO:881234+PTY:AOG+SHM:YR+CAU:51858:\*GY+BOL:82470002+SCN:MBB0002+CNO:MN0002+NNR:MBBNA82470002'

#### 3. Level 2 Segment

OLS+SLK:2:S:3+QTY:1+DEL:280892+DIU:GPS0182403:C0419:\*GY+UDU:DGYAP:0GY+SHM:OT+CAU:NAGEL:\*GY+BOL:82470001+SCN:MBB0003+CNO:MN0003+NNR:MBBNA82470001+HAZ:XX10'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

### Level 0 Segment

OCH      Segment Code

TEI	DATA VALUE
-----	------------

COC	SJ1	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO	DGYAEX72070177	Order Number
-----	----------------	--------------

SHU C0419:\*GY Shipped From/User (Nation) Code

SAC	BL	Status/Advice Code, Noticol was forwarded to Carrier
-----	----	--

SAU	NAMMA	Supplementary Address/User (Nation) Code User (Nation) Code omitted
-----	-------	--

PCN	BC700183ITYLR	Prime Contract Number
-----	---------------	-----------------------

### Level 1 Segment

OJS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	---

NSN 2840:121976265 NATO Stock Number.

QTY 4 Quantity of this item

UOI	EA	Unit of Issue ("EACH")
-----	----	------------------------

KEY	ZAHNRAD,GEAR	Keyword
-----	--------------	---------

## SPECIFICATION 2000M

### 1. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:1      Segment Level Key:  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

QTY      2      (Delivery) Quantity

DEL      280892      Delivery Date

DIU      GPS0182401:C0419:\*GY      Delivery and Inspection Note Number/Originator/  
User (Nation) Code

UDU      DGYAP:0GY      Ultimate Destination Code/User (Nation) Code

SHM      OT      Shipping Method

CAU      NAGEL:\*GY      Carrier/User (Nation) Code

BOL      82470001      Bill of Lading Number

SCN      MBB0001      Shipment/Consignment Number

CNO      MN0001      First Case Number

CNO      MN0004      Second Case Number

NNR      MBBNA82470001      Noticol Number

SIN      X      Sensitivity Indicator

### 2. Level 2 Segment

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:2      Segment Level Key:  
2 is the Segment Level  
S is the Originator  
2 is the Segment Sequence Number

QTY      1      (Delivery) Quantity

**TEI DATA VALUE**

DEL	280892	Delivery Date
DIU	GPS0182402:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
UDU	50683:*GY	Ultimate Destination Code/User (Nation) Code
DNO	881234	Diversion Number
PTY	AOG	Priority Requirement, Aircraft on Ground
SHM	YR	Shipping Method
CAU	51858:*GY	Carrier/User (Nation) Code
BOL	82470002	Bill of Lading Number
SCN	MBB0002	Shipment/Consignment Number
CNO	MN0002	Case Number
NNR	MBBNA82470002	Noticol Number

**3. Level 2 Segment**

OLS Segment Code

**TEI DATA VALUE**

SLK	2:S:3	Segment Level Key: 2 is the Segment Level S is the Originator 3 is the Segment Sequence Number
QTY	1	(Delivery) Quantity
DEL	280892	Delivery Date
DIU	GPS0182403:C0419:*GY	Delivery and Inspection Note Number/ Originator/User (Nation) Code
UDU	DGYAP:0GY	Ultimate Destination Code/User (Nation) Code
SHM	OT	Shipping Method
CAU	NAGEL:*GY	Carrier/User (Nation) Code



**SPECIFICATION 2000M**

<b>TEI</b>	<b>DATA VALUE</b>	
BOL	82470001	Bill of Lading Number
SCN	MBB0003	Shipment/Consignment Number
CNO	MN0003	Case Number
NNR	MBBNA82470001	Noticol Number
HAZ	XX10	Hazardous Material Indicator
Trailer Segment - UNT		

## 5.2. Acknowledgement of Goods Received by Customer/Consignee: SJ4 Transaction

This example relates to the delivery situation outlined by Example 5.1. The consignments have been received but one case for the delivery with SLK 2:S:2 has not been received. The delivery with SLK 2:S:3 will be subject to discrepancy reporting. Three SJ4 transactions (per consignment) have to be established (Examples A/B/C).

### Message Construction - Delivery Received Correctly (Example A)

Header Segment - UNH

#### Level 0 Segment

OEH+COC:SJ4+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+DIU:GPS0182401:C0419+\*GY  
BOL:82470001+RDT:301092+CAU:NAGEL:\*GY+SCN:MBB0001+  
NNR:MBBNA82470001'

Trailer Segment - UNT

### Message Translation (Example A)

Header Segment - UNH

#### Level 0 Segment

OEH      Segment Code

**TEI      DATA VALUE**

COC      SJ4                              Command Code

CUU      00DCZ:\*GY                      Customer/User (Nation) Code

COU      C0419                              Contractor/User (Nation) Code  
User (Nation) Code omitted

IPO      DGYAEX72070177                      Order Number

DIU      GPS0182401:C0419:\*GY              Delivery and Inspection Note Number/Originator/  
User (Nation) Code

BOL      82470001                              Bill of Lading Number

RDT      301092                                  Receipt Date

CAU      NAGEL:\*GY                              Carrier/User (Nation) Code

**SPECIFICATION 2000M**

<b>TEI</b>	<b>DATA VALUE</b>	
SCN	MBB0001	Shipment/Consignment Number
NNR	MBBNA82470001	Noticol Number
Trailer Segment - UNT		

**Message Construction - Missing Case Number (Example B)**

Header Segment - UNH

**Level 0 Segment**

OEH+COC:SJ4+CUU:00:DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+  
 DIU:GPS0182402:C0419:\*GY+BOL:82470002+RDT:301092+CAU:51858:\*GY+SCN:MBB0002+  
 CNO:MN0002+NNR:MBBNA82470002+SAC:XT+SAC:1F+REM:CASE NUMBER NOT  
 RECEIVED'

Trailer Segment - UNT

**Message Translation (Example B)**

Header Segment - UNH

**Level 0 Segment**

OEH Segment Code

**TEI      DATA VALUE**

COC	SJ4	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
IPO	DGYAEX72070177	Order Number
DIU	GPS0182402:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
BOL	82470002	Bill of Lading Number
RDT	301092	Receipt Date
CAU	51858:*GY	Carrier/User (Nation) Code
SCN	MBB0002	Shipment/Consignment Number
CNO	MN0002	Case Number
NNR	MBBNA82470002	Noticol Number

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

SAC	XT	Status/Advice Code
-----	----	--------------------

SAC	1F	Status/Advice Code
-----	----	--------------------

REM		Remarks as shown
-----	--	------------------

Trailer Segment - UNT

### Message Construction - Discrepancy (Example C)

Header Segment - UNH

#### Level 0 Segment

OEH+COC:SJ4+CUU:00DCZ:\*GY+COU:C0419+IPO:DGYAEX72070177+  
DIU:GPS0182403:C0419:\*GY+BOL:82470003+RDT:301092+CAU:NAGEL:\*GY+SCN:MBB0003+  
CNO:MN0003+NNR:MBBNA82470001+SAC:1F+REM:ITEM RECEIVED DAMAGED'

Trailer Segment - UNT

### Message Translation (Example C)

Header Segment - UNH

#### Level 0 Segment

OEH Segment Code

TEI	DATA VALUE
-----	------------

COC	SJ4	Command Code
-----	-----	--------------

CUU	00DCZ:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	C0419	Contractor/User (Nation) Code User (Nation) Code omitted
-----	-------	---

IPO	DGYAEX72070177	Order Number
-----	----------------	--------------

DIU	GPS0182403:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
-----	----------------------	---

BOL	82470003	Bill of Lading Number
-----	----------	-----------------------

**TEI      DATA VALUE**

CAU	NAGEL:*GY	Carrier/User (Nation) Code
SCN	MBB0003	Shipment/Consignment Number
CNO	MN0003	Case Number
NNR	MBBNA82470001	Noticol Number
SAC	1F	Status Advice Code
REM		Remarks as Shown
Trailer Segment - UNT		

## **SPECIFICATION 2000M**

### **5.3. Notification for Collection (NOTICOL): ST1 Transaction**

This example relates to the Example at para 5.1. which details a Shipment Advice Message (SJ1) and summarizes the deliveries where the Carrier/User (Nation) Code is NAGEL:\*GY. A separate NOTICOL should be raised for each Carrier.

#### **Message Construction**

Header Segment - UNH

#### **Level 0 Segment**

OFH+COC:ST1+CUU:00DCZ+COU:C0419:\*GY+NNR:MBBNA82470001+  
PUP:FA MBB GMBH FLUGZEUGE AEUSSERE INDUSTRIESTR.15+  
PUP:8904 FRIEDBERG-DERCHING AGL UEBER E.S.AUGSBURG-HBF 1061+  
TNC:3+WOC:KG20000+VOC:CZ2000+ETC:280992+CAU:NAGEL:\*GY'

#### **1. Level 1 Segment**

ONS+SCN:MBB0001+TNC:2+WOC:KG15000+VOC:CZ500+SIN:X+REM:BOX 1  
OF 2 CONTAINS SENSITIVE STORES'

#### **2. Level 1 Segment**

ONS+SCN:MBB0003+TNC:1+WOC:KG5000+VOC:CZ1500+HAZ:XX10+  
REM:BOX CONTAINS MERCURY BAROMETERS'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

O FH      Segment Code

TEI	DATA VALUE
-----	------------

COC	ST1	Command Code
-----	-----	--------------

CUU	00DCZ	Customer/User (Nation) Code User (Nation) Code Omitted
-----	-------	---

COU	C0419:*GY	Contractor/User (Nation) Code (Consignor)
-----	-----------	--

NNR      MBBNA82470001      Noticol Number

PUP	Address	Pick Up Point shown in full. The total address length is more than the permissible data element length of 65 characters and thus repeats.
-----	---------	---

TNC 3 Total Number of Cases

WOC    KG20000                      Weight of Consignment (200 KG)

VOC CZ2000 Volume of Consignment (20 cubic metres)

ETC 280992 Earliest Time of Collection

CAU NAGEL:\*GY Carrier/User Nation Code

## 1. Level 1 Segment

ONS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SCN      MBB0001      Shipment/Consignment Number

TNC 2 Total Number of Cases

WOC      KG15000      Weight (150KG)

VOC CZ500 Volume (5 cubic metres)



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

SIN	X	Sensitivity Indicator
-----	---	-----------------------

REM		Remarks as Shown
-----	--	------------------

### 2. Level 1 Segment

ONS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SCN	MBB0003	Shipment Consignment Number
-----	---------	-----------------------------

TNC	1	Number of Cases
-----	---	-----------------

WOC	KG5000	Weight (50KG)
-----	--------	---------------

VOC	CZ1500	Volume (15 cubic metres)
-----	--------	--------------------------

HAZ	XX10	Hazardous Indicator
-----	------	---------------------

REM		Remarks as Shown
-----	--	------------------

Trailer Segment - UNT

## **6. ORDER ADMINISTRATION FOR REPAIR/OVERHAUL SERVICE**

Examples 6.1 to 6.11 show the whole process including shipment information transactions.

### **A. Scenario**

A LRU (Gearbox, PNR 2894801, NSCM D0272, Serial-Number ABC 12/3, is sent from the Customer/Consignor (F4125A, UK) to the repair source KHD, which is the Subcontractor of MBB, GY.

At the same time an order is placed on the Contractor MBB for overhaul and modification embodiment (Status/Advice Codes 3B and 5C). MBB will now subcontract KHD for the performance of the requested services.

The procedural sequence of activities is outlined on the following page. The transactions selected are shown in the examples in detail:

Example 6.1	SA1	=	Repair Order Placement	(UK → MBB)
Example 6.2	SR1	=	Shipment Advice by Customer to Contractor	(UK → MBB)
Example 6.3	SR1	=	Shipment Advice by Contractor to Subcontractor/Consignee	(MBB → KHD)
Example 6.4	SA2	=	Acceptance of Repair Order by Contractor	(MBB → UK)
Example 6.5	SA1	=	Repair Order Placement by Contractor to Subcontractor	(MBB → KHD)
Example 6.6	SR4	=	Acknowledgement of Receipt by Subcontractor/Consignee	(KHD → MBB)
Example 6.7	SR4	=	Acknowledgement of Receipt by Contractor	(MBB → UK)
Example 6.8	SJ1	=	Shipment Advice by Subcontractor/Consignor	(KHD → MBB)
Example 6.9	SJ1	=	Shipment Advice by the Contractor	(MBB → UK)
Example 6.10	SJ4	=	Acknowledgement of Receipt by Customer/Consignee	(UK → MBB)
Example 6.11	SJ4	=	Acknowledgement of Receipt by Contractor	(MBB → KHD)

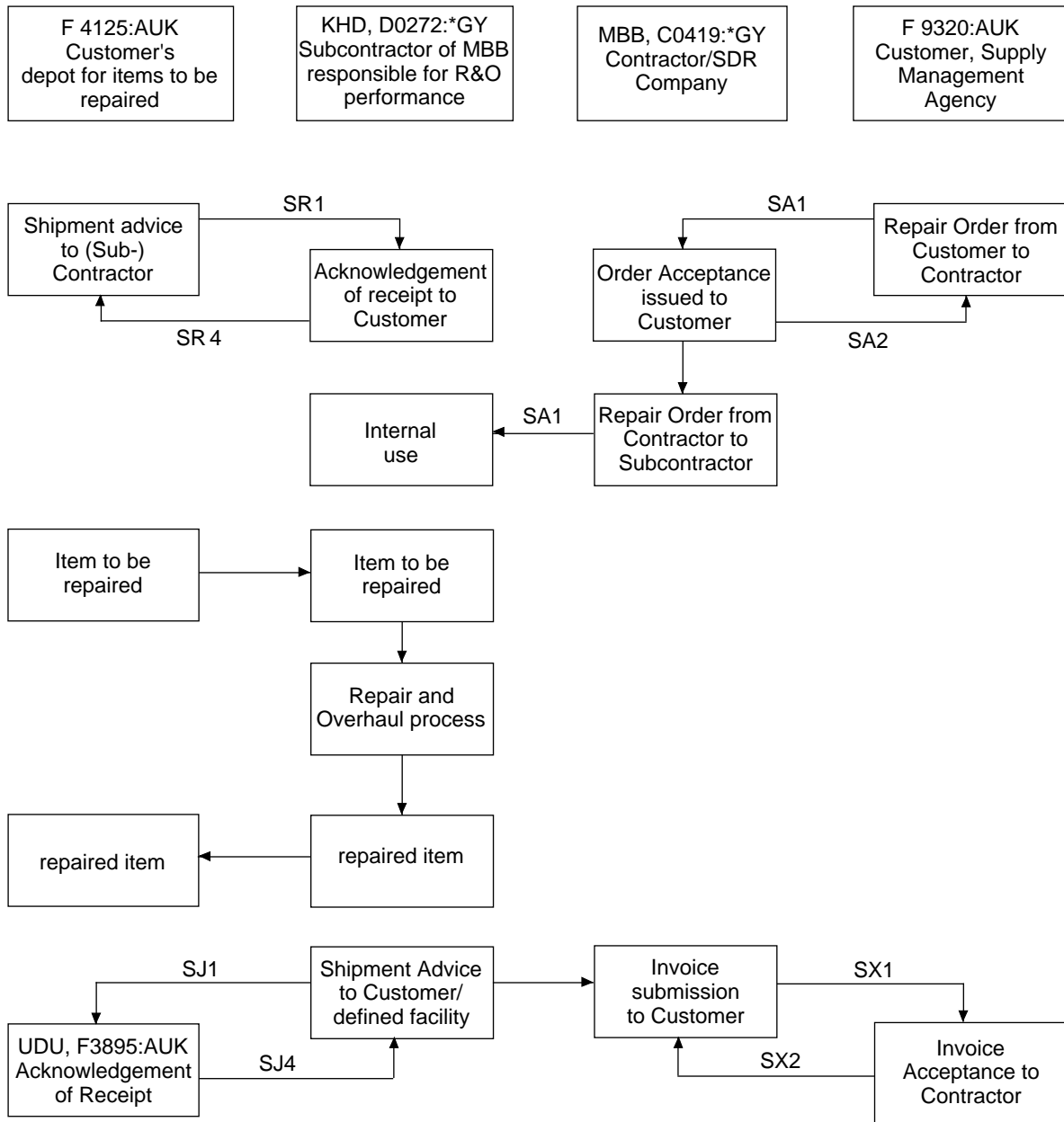
Note: 1) It is obvious, that all these transactions will also have to be transmitted to a number of Supplementary Addressees.

2) Delivery Messages (SJ1/SR1) follow the contractual route.

Note: 3) For Repair Orders (SA1) the original Level 2 Segment remains extant until receipt of the repaired item at the Ultimate Destination (UDU).

## SPECIFICATION 2000M

### B. Procedural sequence of activities (principal outline)



- Note:
- 1) Message flow to Supplementary Addressees is not shown
  - 2) Internal information flow within Customer's area respectively Contractor's/ Subcontractor's area is subject of specific regulations/contracts and not covered by SPECIFICATION 2000M
  - 3) An overview of the dataflow of the main data elements per transaction SR1/ SA1/SJ1 is given on the following page.

**Overview of the dataflow of the main data elements per transactions SR1/SA1/SJ1 concerning R + O**

Address Code	UK F9320:AUK	K F4125:AUK	MBB C0419:*GY		D0272:*GY	KHD D0272:*GY	Z
Organization Installation	<b>Nation</b> (Management area)	<b>Nation</b> (Delivering depot)	CONTRACTOR (acting as Contractor) (acting as Customer) may be identical		1. Subcontractor  may not be identical	Repair facility  identical	
<b>Original SR1 message</b> ORU CUU COU IPO SRU UDU SIU DIU SAU	   UK MBB A KHD F3895 Z K KHD/Z		   UK MBB A KHD F3895 Z K KHD/Z	<b>new SR1</b>  A:UK MBB KHD MBB1 KHD F3895 Z K	  A:UK MBB KHD MBB1 KHD F3895 Z K		
<b>Original SA1 message</b> ORU CUU COU IPO SRU UDU SIU SAU	   UK MBB A KHD F3895 Z KHD/Z		   UK MBB A KHD F3895 Z KHD/Z	<b>new SA1 message</b>  A:UK MBB KHD MBB1 KHD F3895 Z Z	  A:UK MBB KHD MBB1 KHD F3895 Z Z		
<b>new SJ1 message</b> CUU COU IPO SRU UDU SIU DIU SAU ORU	   UK MBB A KHD F3895 F3895 Z  MBB1:MBB		<b>new SJ1 message</b> UK MBB A KHD F3895 F3895 Z  MBB1:MBB	 MBB KHD MBB1 KHD F3895 F3895 Z F3895 A:UK	<b>Original SJ1 message</b> MBB KHD MBB1 KHD F3895 F3895 Z F3895 A:UK		Note: The Ultimate Destination of the repaired item (UDU) may be different from the delivering depot.

## SPECIFICATION 2000M

### 6.1 Repair Order Placement (UK ➡ MBB): SA1 Transaction

The Repair Order is placed from F9320 AUK to MBB. Identical information is given to the Subcontractor and repair facility KHD and the Agency NAMMA.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OAH+COC:SA1+CUU:F9320:AUK+COU:C0419:\*GY+IPO:M2414381500001+PCY:350+PCN:RAORAFMBB1234567+UDU:F3895:AUK+RDD:011288+SMB:SM2A1+SAC:3B+SAC:5C+SAC:1F+SAU:NATL3:\*K3+SAU:D0272:\*GY+SRU:D0272:\*GY+SIU:D0272:\*GY+REM:MOD/AMEND.NR.MOD1654'

#### Level 1 Segment

OJS+SLK:1:S:1+QTY:1+PNR:2894801+MFU:D0272+UOI:EA+KEY:GEARBOX+DMC:RAFSA4+MOI:1Y'

#### Level 2 Segment

OLS+SLK:2:S:1+SER:ABC12/3+QTY:1'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OAH      Segment Code

**TEI      DATA VALUE**

COC      SA1      Command Code

CUU      F9320:AUK      Customer/User (Nation) Code

COU      C0419:\*GY      Contractor/User (Nation) Code

IPO      M2414381500001      Order Number

PCY      350      Provisioning Category

PCN      RAORAFMBB1234567      Prime Contract Number

<b>TEI</b>	<b>DATA VALUE</b>	
UDU	F3895:AUK	Ultimate Destination Code/User (Nation) Code
RDD	011288	Required Delivery Date
SMB	SM2A1	Supply Management Branch Indicator, shows who originated the repair order internally within UK
SAC	3B	Status/Advice Code
SAC	5C	as above
SAC	1F	as above, indicating "refer to Remarks"
SAU	NATL3:*K3	Supplementary Address/User (Nation) Code
SAU	D0272:*GY	Supplementary Address/User (Nation) Code
SRU	D0272:*GY	Supplier/User (Nation) Code
SIU	D0272:*GY	Ship to/User (Nation) Code
REM		Remarks as Shown

**Level 1 Segment**

OJS      Segment Code

**TEI      DATA VALUE**

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Quantity to be repaired
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturers /User (Nation) Code User (Nation) Code omitted
UOI	EA	Unit of Issue
KEY	GEARBOX	Keyword
DMC	RAFSA4	Domestic Management Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

MOI	1Y	Model Identification
-----	----	----------------------

### Level 2 Segment

OLS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:S:1	Segment Level Key 2 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	--

SER	ABC12/3	Serial Number
-----	---------	---------------

Trailer Segment - UNT

**6.2 Shipment Advice by Customer to Contractor (UK → MBB): SR1 Transaction**

The Customer of the item to be repaired issues the SR1 Message to the Contractor.

**Message Construction**

Header Segment - UNH

**Level 0 Segment**

OCH+COC:SR1+CUU:F9320:AUK+COU:C0419:\*GY+IPO:M2414381500001+DEL:010688+  
UDU:F3895:AUK+CAU:CUNAR:DUK+SCN:F41258140+SAC:3B+SAC:5C+SRU:D0272:\*GY+  
SAU:D0272:\*GY+SAU:NATL3:\*K3+SIU:D0272:\*GY'

**Level 1 Segment**

OJS+SLK:1:S:1+QTY:1+PNR:2894801+MFU:D0272+UOI:EA+KEY:GEARBOX+DMC:RAFSA4'

**Level 2 Segment**

OLS+SLK:2:S:1+SER:ABC12/3+QTY:1+DIU:F4125A8141:F4125:AUK'

Trailer Segment - UNT

**Message Translation**

Header Segment - UNH

**Level 0 Segment**

OCH      Segment Code

**TEI      DATA VALUE**

COC      SR1      Command Code

CUU      F9320:AUK      Customer/User (Nation) Code

COU      C0419:\*GY      Contractor/User (Nation) Code

IPO      M2414381500001      Order Number of the relating SA1

DEL      010688      Delivery Date

UDU      F3895:AUK      Ultimate Destination Code/User (Nation) Code



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

CAU	CUNAR:DUK	Carrier/User (Nation) Code
SCN	F41258140	Shipment/Consignment Number
SAC	3B	Status/Advice Code
SAC	5C	see above
SRU	D0272:*GY	Supplier/User (Nation) Code (Repair Subcontractor)
SAU	D0272:*GY	Supplementary Address/User (Nation) Code
SAU	NATL3:*K3	Supplementary Address/User (Nation) Code
SIU	D0272:*GY	Ship to Address/User (Nation) Code (Repair Address)

### Level 1 Segment

OJS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Shipped Quantity
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturers/User (Nation) Code User (Nation) Code omitted
UOI	EA	Unit of Issue
KEY	GEARBOX	Keyword
DMC	RAFSA4	Domestic Management Code

**Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:1      Segment Level Key:  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

SER      ABC12/3      Serial Number

QTY      1      Quantity

DIU      F4125A8141:  
F4125:AUK      Delivery and Inspection Note Number/  
Originator/User (Nation) Code

Trailer Segment - UNT

## SPECIFICATION 2000M

### 6.3 Shipment Advice by Contractor to Subcontractor/Consignee (MBB → KHD): SR1 Transaction

The Contractor of the item to be repaired issues the SR1 Message to the Subcontractor.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC:SR1+CUU:C0419:\*GY+COU:D0272\*GY+ IPO:MBBKHD7741+DEL:010688+  
UDU:F3895:AUK+CAU:CUNAR:DUK+SCN:F41258140+SAC:3B+SAC:5C+SRU:D0272:\*GY+  
SAU:NATL3:\*K3+SIU:D0272:\*GY+ORU:M2414381500001:F9320:AUK'

#### Level 1 Segment

OJS+SLK:1:S:1+QTY:1+PNR:2894801+MFU:D0272+UOI:EA+KEY:GEARBOX+DMC:RAFSA4'

#### Level 2 Segment

OLS+SLK:2:S:1+SER:ABC12/3+QTY:1+DIU:F4125A8141:F4125:AUK'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OCH      Segment Code

**TEI      DATA VALUE**

COC      SR1      Command Code

CUU      C0419:\*CY      Customer/User (Nation) Code

COU      D0272:\*GY      Contractor/User (Nation) Code

IPO      MBBKHD7741      Order Number of the relating SA1

DEL      010688      Delivery Date

UDU      F3895:AUK      Ultimate Destination Code/User (Nation) Code

CAU      CUNAR:DUK      Carrier/User (Nation) Code

**TEI DATA VALUE**

SCN	F41258140	Shipment/Consignment Number
SAC	3B	Status/Advice Code
SAC	5C	see above
SRU	D0272:*GY	Supplier/User (Nation) Code (Repair Subcontractor)
SAU	NATL3:*K3	Supplementary Address/User (Nation) Code
SIU	D0272:*GY	Ship to Address/User (Nation) Code (Repair Address)
ORU	M2414381500001: F9320:AUK	Originator Reference Number/Originator/ User (Nation) Code

**Level 1 Segment**

OJS Segment Code

**TEI DATA VALUE**

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Shipped Quantity
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturers/User (Nation) Code User (Nation) Code omitted
UOI	EA	Unit of Issue
KEY	GEARBOX	Keyword
DMC	RAFSA4	Domestic Management Code

## SPECIFICATION 2000M

### Level 2 Segment

OLS          Segment Code

**TEI          DATA VALUE**

SLK          2:S:1          Segment Level Key:  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

SER          ABC12/3          Serial Number

QTY          1          Quantity

DIU          F4125A8141:  
F4125:AUK          Delivery and Inspection Note Number/  
Originator/User (Nation) Code

Trailer Segment - UNT

**6.4 Acceptance of the Repair Order by Contractor (MBB → UK): SA2 Transaction**

Refer to Example 1.4. - Acceptance of the Order SA2

The same rules as shown in Example 1.4 (SA2) apply for the SA2 acceptance of the Repair Order.

Note: The SA2 may include in Segment Level 0 the SRU which identifies the Sub-contractor who will repair the item.

## SPECIFICATION 2000M

### 6.5 Repair Order Placement by Contractor to Subcontractor (MBB → KHD): SA1 Transaction

The Contractor (MBB) places the Repair Order upon his Subcontractor (KHD).

## Message Construction

## Header Segment - UNH

## Level 0 Segment

OAH+COC:SA1+CUU:C0419:\*GY+COU:D0272:\*GY+IPO:MBBKHD7741+PCY:350+  
 ORU:M2414381500001:F9320:AUK+PCN:RAOMBBKHD1234567+UDU:F3895:AUK+  
 RDD:011288+SMB:FB21+SAC:3B+SAC:5C+SAC:1F+REM:MOD/AMEND.NR.MOD1654+  
 SAU:D0272:\*GY+SRU:D0272:\*GY+SIU:D0272:\*GY'

## Level 1 Segment

OJS+SLK:1:S:1+QTY:1+PNR:2894801+MFU:D0272+UOI:EA+KEY:GEARBOX+MOI:1Y'

## Level 2 Segment

OLS+SLK:2:S:1+QTY:1+SER:ABC12/3'

## Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

OAH	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

COC	SA1	Command Code
-----	-----	--------------

CUU	C0419:*GY	Customer/User (Nation) Code
-----	-----------	-----------------------------

COU	D0272:*GY	Contractor/User (Nation) Code
-----	-----------	-------------------------------

IPO	MBBKHD7741	Order Number (MBB to KHD)
-----	------------	---------------------------

PCY	350	Provisioning Category
-----	-----	-----------------------

ORU	M2414381500001: F9320:AUK	Originator Reference Number/Originator/User (Nation) Code
-----	------------------------------	--

TEI	DATA VALUE	
PCN	RAOMBBKHD1234567	Prime Contract Number (between MBB and KHD)
UDU	F3895:AUK	Ultimate Destination Code/User (Nation) Code
RDD	011288	Required Delivery Date
SMB	FB21	Supply Management Branch Indicator, that shows who originated the Repair Order internally (at MBB)
SAC	3B	Status/Advice Code
SAC	5C	as above
SAC	1F	as above
REM		clear text
SAU	D0272:*GY	Supplementary Address/User (Nation) Code
SRU	D0272:*GY	Supplier/User (Nation) Code
SIU	D0272:*GY	Ship to/User (Nation) Code

**Level 1 Segment**

OJS Segment Code

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Sequence Number
-----	-------	---

QTY	1	Quantity to be repaired
-----	---	-------------------------

PNR	2894801	Part Number
-----	---------	-------------

MFU	D0272	NATO Supply Code for Manufacturers/User (Nation) Code User (Nation) Code has been omitted
-----	-------	--



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

UOI	EA	Unit of Issue, ("each")
-----	----	-------------------------

KEY	GEARBOX	Keyword
-----	---------	---------

MOI	1Y	Model Identification
-----	----	----------------------

### Level 2 Segment

OLS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:S:1	Segment Level Key: 2 is the Segment Level S is the Originator 1 is the Segment Sequence Number
-----	-------	---

QTY	1	Quantity
-----	---	----------

SER	ABC12/3	Serial Number of the item
-----	---------	---------------------------

Trailer Segment - UNT

## 6.6 Acknowledgment of Receipt by Subcontractor/Consignee (KHD → MBB): SR4 Transaction

The Subcontractor KHD acknowledges to MBB the receipt of the item to be repaired.

### Message Construction

Header Segment - UNH

#### Level 0 Segment

OEH+COC:SR4+CUU:C0419:\*GY+COU:D0272:\*GY+SRU:D0272:\*GY+IPO:MBBKHD7741+  
DIU:F4125A8141:F4125:AUK+SCN:F41258140+SAU:F4125:AUK+SAU:NATL3:\*K3+ORU:  
M2414381500001:F9320:AUK+RDT:150688'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

#### Level 0 Segment

OEH      Segment Code

**TEI      DATA VALUE**

COC      SR4      Command Code

CUU      C0419:\*GY      Customer/User (Nation) Code

COU      D0272:\*GY      Contractor/User (Nation) Code

SRU      D0272:\*GY      Supplier/User (Nation) Code

IPO      MBBKHD7741      Order Number, taken from the SR1

DIU      F4125A8141:  
F4125:AUK      Delivery and Inspection Note Number/Originator/  
User (Nation) Code, taken from the SR1

SCN      F41258140      Shipment/Consignment Number, taken from the SR1

SAU      F4125:AUK      Supplementary Address/User (Nation) Code

SAU      NATL3:\*K3      Supplementary Address/User (Nation) Code

**SPECIFICATION 2000M**

TEI	DATA VALUE	
ORU	M2414381500001: F9320:AUK	Originator Reference Number/Originator/ User (Nation) Code
RDT	150688	Receipt Date
Trailer Segment - UNT		

**6.7 Acknowledgment of Receipt by Contractor (MBB → UK): SR4 Transaction**

The Contractor MBB acknowledges the receipt of the item to be repaired.

**Message Construction**

Header Segment - UNH

**Level 0 Segment**

OEH+COC:SR4+CUU:F9320:AUK+COU:C0419:\*GY+SRU:D0272:\*GY+IPO:M2414381500001+  
DIU:F4125A8141:F4125:AUK+SCN:F41258140+SAU:NATL3:\*K3+RDT:150688+  
ORU:MBBKHD7741:C0419:\*GY'

Trailer Segment - UNT

**Message Translation**

Header Segment - UNH

**Level 0 Segment**

OEH      Segment Code

**TEI      DATA VALUE**

COC      SR4      Command Code

CUU      F9320:AUK      Customer/User (Nation) Code

COU      C0419:\*GY      Contractor/User (Nation) Code

SRU      D0272:\*GY      Supplier/User (Nation) Code

IPO      M2414381500001      Order Number, taken from the SR1

DIU      F4125A8141:  
F4125:AUK      Delivery and Inspection Note Number/  
Originator/User (Nation) Code, taken from the SR1

SCN      F41258140      Shipment/Consignment Number, taken from the SR1

SAU      NATL3:\*K3      Supplementary Address/User (Nation) Code

RDT      150688      Receipt Date

ORU      MBBKHD7741:  
C0419:\*GY      Originator Reference Number/Originator/  
User (Nation) Code

Trailer Segment - UNT

## SPECIFICATION 2000M

### 6.8 Shipment Advice by Subcontractor/Consignor (KHD → MBB): SJ1 Transaction

The Repair and Overhaul for the item outlined in Example 6.1 has been finished. The item is shipped to the UDU:F3895:AUK.

Shipment Advice is given by the Subcontractor with an SJ1 Message.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OCH+COC: SJ1+CUU:C0419:\*GY+COU:D0272:\*GY+IPO:MBBKHD7741+DEL:011088+  
ORU:M2414381500001:F9320:AUK+UDU:F3895:AUK+CAU:CUNAR:DUK+SCN:KHD774102+  
CNO:0003+SRU:D0272:\*GY+NNR:KHDRO891+SAU:F3895:AUK+SIU:F3895:AUK'

#### Level 1 Segment

OJS+SLK:1:S:1+QTY:1+PNR:2894801+MFU:D0272+UOI:EA+KEY:GEARBOX'

#### Level 2 Segment

OLS+SLK:2:S:1+SER:ABC12/3+QTY:1+DIU:KHDRO555:D0272:\*GY'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OCH      Segment Code

**TEI      DATA VALUE**

COC      SJ1      Command Code

CUU      C0419:\*GY      Customer/User (Nation) Code

COU      D0272:\*GY      Contractor/User (Nation) Code

IPO      MBBKHD7741      Order Number

DEL      011088      Delivery Date

<b>TEI</b>	<b>DATA VALUE</b>	
ORU	M2414381500001: F9320:AUK	Originator Reference Number/Originator/ User (Nation) Code
UDU	F3895:AUK	Ultimate Destination Code/User (Nation) Code
CAU	CUNAR:DUK	Carrier/User (Nation) Code
SCN	KHD774102	Shipment/Consignment Number
CNO	0003	Case Number
SRU	D0272:*GY	Supplier/User (Nation) Code.
NNR	KHDRO891	Noticol Number
SAU	F3895:AUK	Supplementary Address/User (Nation) Code
SIU	F3895:AUK	Ship to User (Nation) Code

**Level 1 Segment**

OJS Segment Code

<b>TEI</b>	<b>DATA VALUE</b>	
SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Quantity
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturers/User (Nation) Code User (Nation) Code omitted
UOI	EA	Unit of Issue, ("each")
KEY	GEARBOX	Keyword

## SPECIFICATION 2000M

### Level 2 Segment

OLS        Segment Code

**TEI        DATA VALUE**

SLK        2:S:1

Segment Level Key:  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number  
is the Serial Number

SER        ABC12/3

QTY        1

Quantity

DIU        KHDRO555:  
D0272:\*GY

Delivery and Inspection Note Number/  
Originator/User (Nation) Code

Trailer Segment - UNT

**6.9 Shipment Advice by Contractor (MBB → UK): SJ1 Transaction**

The Repair and Overhaul for the item outlined in Example 6.1 has been finished. The item is shipped to the UDU:F3895:AUK.

Shipment Advice is given by the Contractor to the Customer.

**Message Construction**

Header Segment - UNH

**Level 0 Segment**

OCH+COC: SJ1+CUU: F9320:AUK+COU: C0419:\*GY+ORU: MBBKHD7741: C0419:\*GY+DEL: 011088+  
IPO: M2414381500001+UDU: F3895:AUK+CAU: CUNAR: DUK+SCN: KHD774102+  
CNO: 0003+SRU: D0272:\*GY+NNR: KHDRO891+SAU: NATL3:\*K3+SIU: F3895:AUK'

**Level 1 Segment**

OJS+SLK: 1:S: 1+QTY: 1+PNR: 2894801+MFU: D0272+UOI: EA+KEY: GEARBOX'

**Level 2 Segment**

OLS+SLK: 2:S: 1+SER: ABC12/3+QTY: 1+DIU: KHDRO555: D0272:\*GY'

Trailer Segment - UNT

**Message Translation**

Header Segment - UNH

**Level 0 Segment**

OCH      Segment Code

**TEI      DATA VALUE**

COC      SJ1      Command Code

CUU      F9320:AUK      Customer/User (Nation) Code

COU      C0419:\*GY      Contractor/User (Nation) Code

ORU      MBBKHD7741:  
C0419:\*GY      Originator Reference Number/Organator/  
User (Nation) Code

DEL      011088      Delivery Date



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

IPO	M2414381500001	Order Number
UDU	F3895:AUK	Ultimate Destination Code/User (Nation) Code
CAU	CUNAR:DUK	Carrier/User (Nation) Code
SCN	KHD774102	Shipment/Consignment Number
CNO	0003	Case Number
SRU	D0272:*GY	Supplier/User (Nation) Code.
NNR	KHDRO891	Noticol Number
SAU	NATL3:*K3	Supplementary Address/User (Nation) Code
SIU	F3895:AUK	Ship To/User (Nation) Code

### Level 1 Segment

OJS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Quantity
PNR	2894801	Part Number
MFU	D0272	NATO Supply Code for Manufacturers/User (Nation) Code User (Nation) Code omitted
UOI	EA	Unit of Issue, ("each")
KEY	GEARBOX	Keyword

**Level 2 Segment**

OLS      Segment Code

**TEI      DATA VALUE**

SLK      2:S:1      Segment Level Key:  
2 is the Segment Level  
S is the Originator  
1 is the Segment Sequence Number

SER      ABC12/3      Serial Number

QTY      1      Quantity

DIU      KHDRO555:  
D0272:\*GY      Delivery and Inspection Note Number/  
Originator/User (Nation) Code

Trailer Segment - UNT

## SPECIFICATION 2000M

### 6.10 Acknowledgement of Receipt by Customer/Consignee (UK → MBB): SJ4 Transaction

The Customer/Consignee acknowledges the receipt of the repaired item.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OEH+COC:SJ4+CUU:F9320:AUK+COU:C0419:\*GY+ IPO:M2414381500001+  
DIU:KHDR0555:D0272:\*GY+SCN:KHD774102+SAU:D0272:\*GY+SAU:NATL3:\*K3+  
SRU:D0272:\*GY+ORU:MBBKHD7741:C0419:\*GY+RDT:151088'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OEH      Segment Code

**TEI      DATA VALUE**

COC      SJ4      Command Code

CUU      F9320:AUK      Customer/User (Nation) Code

COU      C0419:\*GY      Contractor/User (Nation) Code

IPO      M2414381500001      Order Number

DIU      KHDR0555:  
D0272:\*GY      Delivery and Inspection Note Number/  
Originator/User (Nation) Code

SCN      KHD774102      Shipment/Consignment Number

SAU      D0272:\*GY      Supplementary Address/User (Nation) Code

SAU      NATL3:\*K3      Supplementary Address/User (Nation) Code

SRU      D0272:\*GY      Supplier/User (Nation) Code

**TEI      DATA VALUE**

ORU	MBBKHD7741: C0419:*GY	Originator Reference Number/Originator/ User (Nation) Code
-----	--------------------------	---

RDT	151088	Receipt Date
-----	--------	--------------

Trailer Segment - UNT

## SPECIFICATION 2000M

### 6.11 Acknowledgement of Receipt by Contractor (MBB → KHD): SJ4 Transaction

The Contractor acknowledges the receipt of the repaired items.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

OEH+COC: SJ4+CUU:C0419:\*GY+COU:D0272:\*GY+ IPO:MBBKHD7741+  
ORU:M2141381500001:F9320:AUK+DIU:KHDR0555:D0272:\*GY+SCN:KHD774102+  
SRU:D0272:\*GY+RDT:151088'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

OEH      Segment Code

**TEI      DATA VALUE**

COC      SJ4      Command Code

CUU      C0419:\*GY      Customer/User (Nation) Code

COU      D0272:\*GY      Contractor/User (Nation) Code

IPO      MBBKHD7741      Order Number

ORU      M2414381500001:  
F9320:AUK      Originator Reference Number/Originator/  
User (Nation) Code

DIU      KHDR0555:  
D0272:\*GY      Delivery and Inspection Note Number/  
Originator /User (Nation) Code

SCN      KHD774102      Shipment/Consignment Number

SRU      D0272:\*GY      Supplier/User (Nation) Code

Trailer Segment - UNT

**SECTION 3-8**  
**MUTUAL SUPPORT - GENERAL**  
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## **MUTUAL SUPPORT - GENERAL**

### **1. PURPOSE**

This operating procedure is aimed to support the operation of existing international agreements on Mutual Supply (see paragraph 8 to this Section). It is also created to regulate the offering of Surplus Stocks.

#### **1.1 Mutual Support covers:**

- Mutual Supply Support (MSS)
- Offering of Surplus Stocks (OSS)

#### **1.2 For ease of understanding, the Mutual Support procedure is presented as follows**

- |  |             |
|--|-------------|
| - Mutual Supply Support (MSS)                      | paragraph 3 |
| - Offering of Surplus Stocks (OSS)                 | paragraph 4 |
| - Flow Charts                                      | paragraph 5 |
| - Transactions/Command Codes/Data Element Matrices | paragraph 6 |
| - Examples   | paragraph 7 |
| - Existing International Agreements                | paragraph 8 |

### **2. PRINCIPLES**

#### **2.1 Participants in this operating procedure may be the National Forces/International Agencies, and/or Industrial Organisations.**

#### **2.2 For MSS, the role of Customer and Contractor are defined as follows:**

The party making the request for assistance in respect of Mutual Supply Support is considered to be the Customer and the party upon whom the request is made is considered to be the Contractor. In subsequent transactions the roles are maintained, therefore the party offering assistance is considered to be the Contractor and the party to whom the offer is made is considered to be the Customer.

#### **2.3 For OSS the role of Customer and Contractor are defined as follows:**

The party who is making the offer of Surplus Stock is considered to be the Contractor and the party to whom the offer is made is considered to be the Customer.

### **3. MUTUAL SUPPLY SUPPORT (MSS)**

#### **3.1 MSS is a specific sequence of activities, by which a participant requests from another participant the supply of logistic materiel.**

Requests by a participant for Mutual Supply Support will normally follow the failure to meet a priority requirement.



## SPECIFICATION 2000M

In such cases, a participant is to contact one or more others (recipients) to ascertain whether support is available, within what timescale, and the terms of issue required.

This has to be made by a specific transaction, the

'Request for Mutual Supply Support, SU1'.

- 3.2 Where recipients are able to meet a Mutual Supply Support request, - partially or in the whole - they respond by

'Response for MSS Request (Offer), SV1'.

By this they may specify the terms of issue from those stated below and in accordance with the requirements of their national laws and agreements.

- 3.3 Recipients who cannot meet a Mutual Supply Support request respond by a

'Rejection of the Request, SU3'.

- 3.4 Supplying participants may either offer the parts without compensation, or request compensation by:

- grant of a credit to be used as directed by the supplying participant, or
- repayment, or
- replacement in kind, on loan with or without special charge.

Relating Status/Advice Codes are shown in the Data Dictionary.

- 3.5 Where items are offered and accepted on loan the period of the loan is to be stated. On expiry of the loan period, the original items or identical or agreed alternatives are to be returned.

- 3.6 The requesting participant will select the source of supply from the information given by the SV1-transaction, decide on the transportation arrangement, and issue a SA1-order to the selected participant.

In raising a SA1-order, it is mandatory to specify the Quotation Number from the SV1. Otherwise the order would be treated as a fresh order and will not be subject to the previous quotation.

The non-selected participants are to be informed about not using their offer by a

'Rejection to the Offer Response, SV3'.

- 3.7 For further processing of the MSS, the established procedures of Order Administration and Invoicing should be used.

**4. OFFERING OF SURPLUS STOCKS (OSS)**

4.1 This procedure is the tool to offer Surplus Stocks to the participants.

4.2 In such cases, a participant is to contact one or more other participants offering logistic materiel on stock.

The offer transaction is designated as

'Offering of Surplus Stocks, SS1'.

4.3 The SS1 fully identifies the offered item. Condition and - where necessary - applicable modification states are specified in the remarks field.

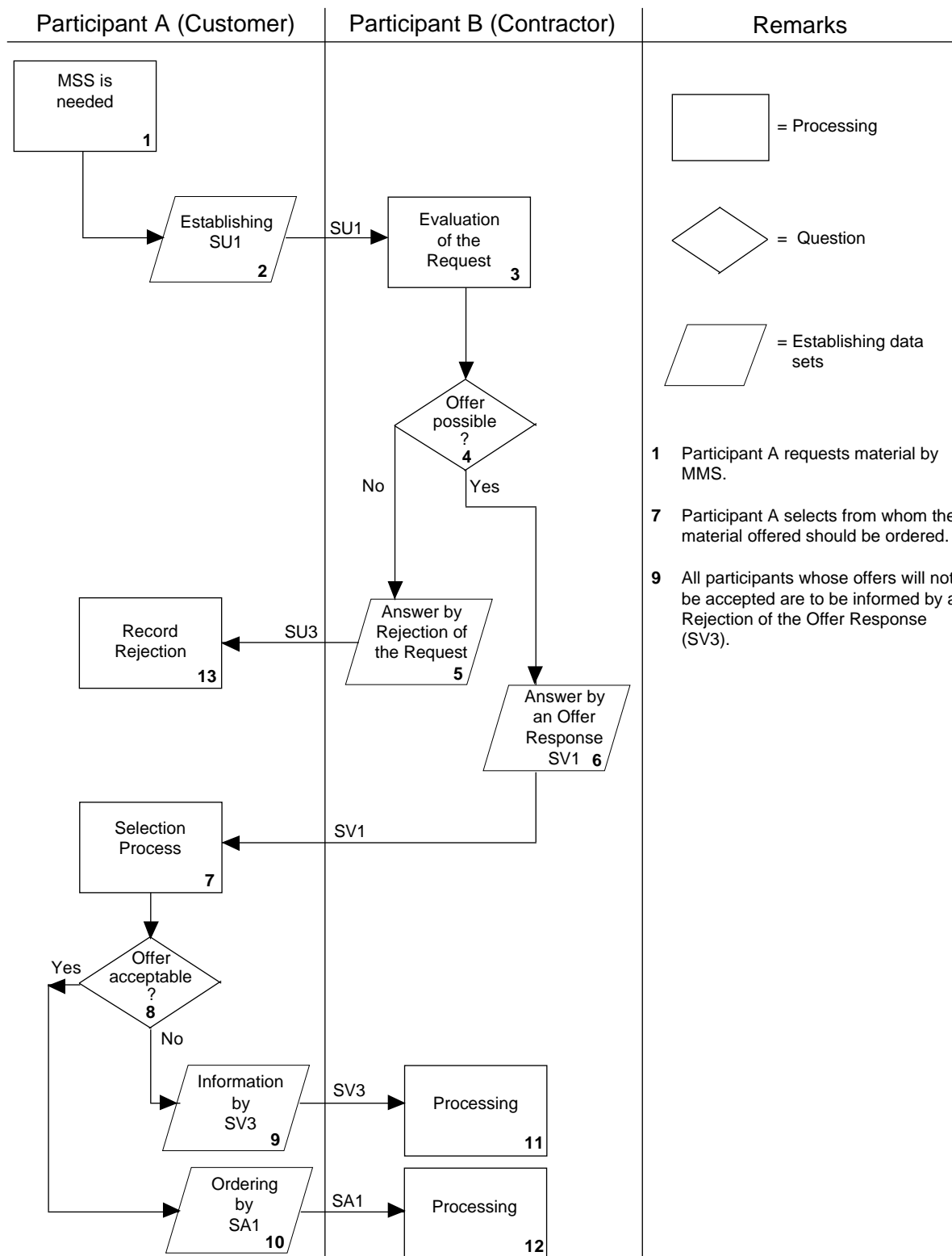
4.4 The validity of the offer will be specified within the SS1 by the Quotation Expiry Date in combination with the Status/Advice Code.

The recipient who decides to take advantage of the offer has to order the Quantity wanted by a SA1-order, stating the Quotation Number entered on the SS1.

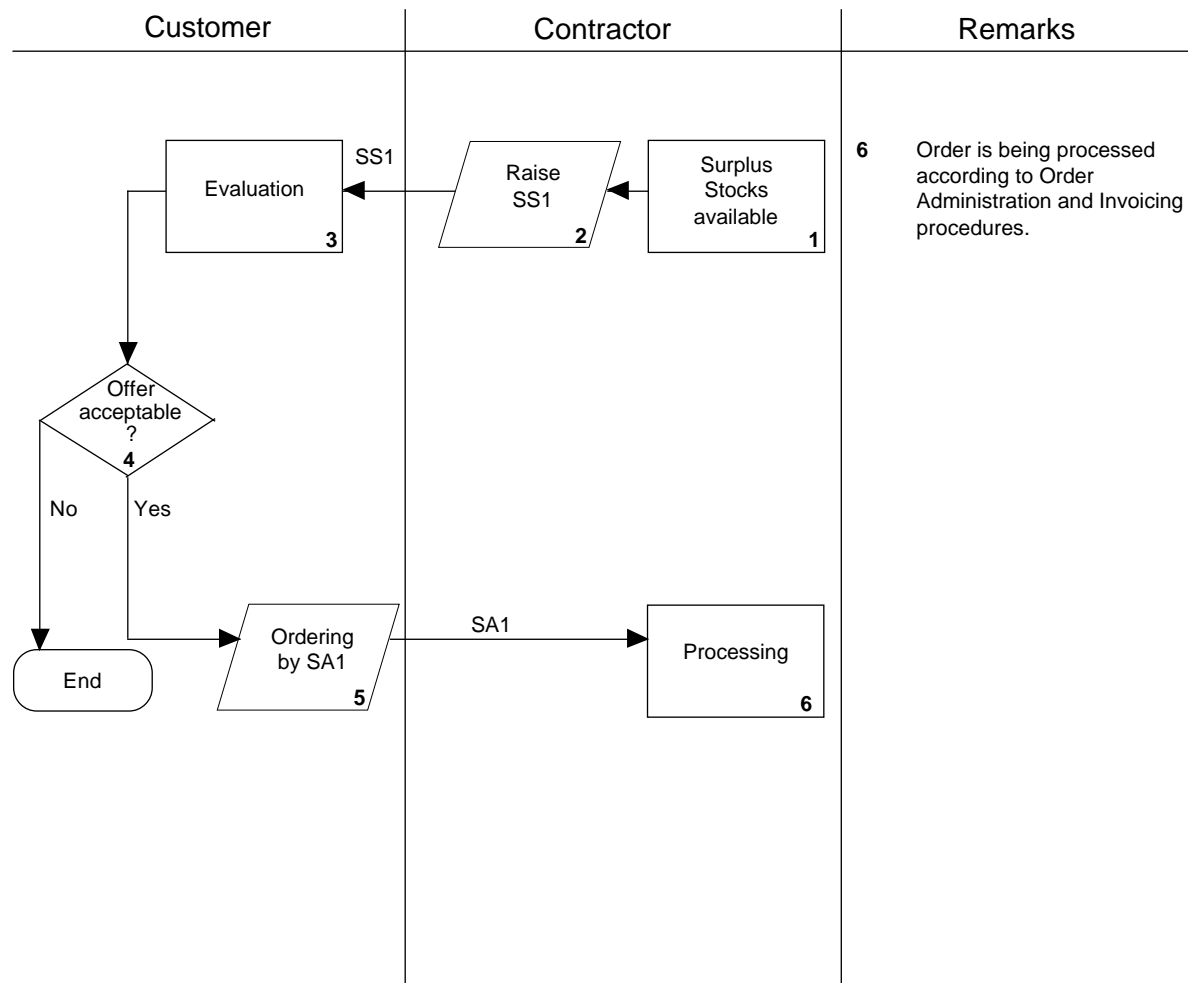
Without the Quotation Number, the SA1 would be a fresh order, and would not be subject to the previous quotation. For further processing the established procedures of Order Administration and Invoicing should be used.

## 5. FLOW CHARTS

### 5.1. Mutual Supply Support (MMS)



## 5.2. Offering Of Surplus Stocks (OSS)



## 6. TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

### 6.1 Purpose

This paragraph defines the interrelationship between Command Codes and Transactions.

#### Transactions

The administration of information appertaining to Mutual Support normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized Messages, the Transactions.

#### Command Codes

Individual transactions are clearly defined by means of Command Codes.

The relationship between transactions and Command Codes are outlined below.

### 6.2 Transactions and Command Codes for Mutual Supply Support (MSS)

		Rejection
Request for Mutual Supply Support	→ SU1	← SU3
Response to MSS Request (Offer)	← SV1	→ SV3
Hastening*	→ SH6, SH8 ← SH7, SH9	

Customer ↔ Contractor

### 6.3 Transactions and Command Codes for Offering of Surplus Stocks (OSS)

Offering of Surplus Stocks	← SS1
Hastening*	→ SH6, SH8 ← SH7, SH9

Customer ↔ Contractor

\* = See Section 3-3 for details of Hastening Messages

## 6.4 Data Element Incidence Matrix Mutual Support

MESSAGE IDENTIFYING COMMAND CODE		SU1	SU3	SV1	SV3	SS1					
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR			X		X					
ACA	ADJUSTABLE COST DETAILS			X		X					
AGU	AGENTS TAX REGISTRATION NUMBER/UNC										
AGE	AGERD NUMBER	X		X		X					
AMN	AMENDMENT NUMBER										
BOL	BILL OF LADING NUMBER										
CAU	CARRIER/UNC	X		X							
CNO	CASE NUMBER										
CAN	CHANGE AUTHORITY NUMBER										
CHG	CHANGE CODE			X							
COC	COMMAND CODE	X	X	X	X	X					
CBU	CONTRACTOR'S BANK DETAILS										
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC										
COU	CONTRACTOR/UNC	X	X	X	X	X					
CDD	CONTRACTUAL DELIVERY DATE										
CPU	COPRODUCER/UNC										
COR	COUNTRY OF ORIGIN										
CUD	CURE DATE										
CUR	CURRENCY CODE			X		X					
CAA	CPL ADDENDUM/AMENDMENT NUMBER										
CEF	CPL EFFECTIVE DATE										
CEX	CPL EXPIRY DATE										
CRE	CPL REFERENCE NUMBER										
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC	X									
CUU	CUSTOMER/UNC	X	X	X	X	X					
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC										

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

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MESSAGE IDENTIFYING COMMAND CODE		SU1	SU3	SV1	SV3	SS1					
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE										
DPT	DELIVERY POINT	X		X		X					
DNO	DIVERSION NUMBER										
DMC	DOMESTIC MANAGEMENT CODE	X		X		X					
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE										
DPV	DOWN/PROGRESS PAYMENT VALUE										
ETC	EARLIEST TIME OF COLLECTION										
ECO	ECONOMIC CONDITIONS										
EOC	ECONOMIC CONDITIONS/CUR			X		X					
ESR	ESCALATION FACTOR/CUR										
ESY	ESCALATION VALUE/CUR										
ECC	EVIDENCE CONTROL CODE	X	X	X	X	X					
EXC	EXCHANGE CURRENCY CODE			X							
EXU	EXCHANGE RATE/CUR			X							
ERT	EXCHANGE RATE TYPE			X							
FDD	FORECAST DELIVERY DATE			X							
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL										
HNO	HASTENING NUMBER										
HAZ	HAZARDOUS MATERIAL	X		X		X					
IPP	INITIAL PROVISIONING PROJECT NO.										
ICY	INTERCHANGEABILITY										
ICA	INVOICE CATEGORY										
IDT	INVOICE DATE										
IDC	INVOICE DELIVERY LINE VALUE NETT/CURR										
INR	INVOICE NUMBER										
IOV	INVOICE ORDER LINE VALUE NETT										
ISU	INVOICE SENDER/UNC										
ITU	INVOICE TO/UNC										
ITX	INVOICE TOTAL TAX VALUE										
ITL	INVOICE TOTAL VALUE GROSS										

MESSAGE IDENTIFYING COMMAND CODE		SU1	SU3	SV1	SV3	SS1					
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT										
INT	INVOICE TYPE										
ITY	ITEM TYPE	X		X		X					
KEY	KEYWORD	X		X		X					
LOC	LETTER OF CREDIT NUMBER										
MSQ	MINIMUM SALES QUANTITY			X		X					
MOI	MODEL IDENTIFICATION	X		X		X					
NSN	NATO STOCK NUMBER	X		X		X					
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X		X		X					
NNR	NOTICOL NUMBER										
NOU	NOTICOL ORIGINATOR/UNC										
OPR	OFFSET PERCENTAGE RATE										
OFV	OFFSET VALUE										
IPO	ORDER NUMBER										
OID	ORIGINAL INVOICE DATE										
OIN	ORIGINAL INVOICE NUMBER										
TTV	ORIGINAL INVOICE TOTAL TAX VALUE										
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS										
OGV	ORIGINAL INVOICE TOTAL VALUE NETT										
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X	X	X	X	X					
OBI	OWN BRANCH INDICATOR										
PLC	PACKAGING LEVEL CODE	X		X		X					
PNR	PART NUMBER	X		X		X					
DPY	PAYMENT DATE										
PAN	PAYMENT STATUS ADVICE NUMBER										
PYT	PAYMENT TERMS										
POP	PERIOD OF PERFORMANCE										
CDU	PICK-UP POINT - CODED ADDRESS/UNC										
PUP	PICK-UP POINT - FULL ADDRESS										
PKD	PREVIOUS KEY DATA			X							
PBD	PRICE BREAK DATA			X		X					
PCA	PRICE CATEGORY			X		X					



## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SU1	SU3	SV1	SV3	SS1					
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION			X		X					
PCN	PRIME CONTRACT NUMBER										
PTY	PRIORITY REQUIREMENT	X									
PBN	PROCUREMENT BUDGET NUMBER										
PCD	PROCUREMENT CODE										
PPM	PROGRESS PAYMENT MILESTONE NO.										
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER										
PCY	PROVISIONING CATEGORY										
PLT	PURCHASING LEAD TIME			X							
QTY	QUANTITY	X		X		X					
QUI	QUANTITY PER UNIT OF ISSUE	X		X		X					
QDT	QUOTATION DATE			X	X	X					
QED	QUOTATION EXPIRY DATE	X		X		X					
QNO	QUOTATION NUMBER			X	X	X					
QTT	QUOTATION TARGET DATE	X		X							
QVP	QUOTATION VALIDITY PERIOD	X		X		X					
RDT	RECEIPT DATE										
REM	REMARKS	X	X	X	X	X					
RNS	REPLACING NATO STOCK NUMBER										
RMU	REPLACING NATO SUPPLY CODE FOR MFR'S/UNC										
RPP	REPLACING PART NUMBER										
RUI	REPLACING UNIT OF ISSUE										
RQC	REQUEST FOR QUOTATION REPEAT COUNTER										
RQN	REQUEST NUMBER	X	X	X	X						
RDD	REQUIRED DELIVERY DATE	X		X							
SLK	SEGMENT LEVEL KEY	X		X		X					
SIN	SENSITIVITY INDICATOR	X		X		X					
SER	SERIAL NUMBER										
SIU	SHIP TO/UNC										
SCN	SHIPMENT/CONSIGNMENT NO.										
SHU	SHIPPED FROM/UNC			X							
SHM	SHIPPING METHOD	X		X							

MESSAGE IDENTIFYING COMMAND CODE		SU1	SU3	SV1	SV3	SS1				
TEI	DATA ELEMENT NAME									
STU	SOLD-TO/UNC									
SPQ	STANDARD PACKAGE QTY			X		X				
SOM	STATE OF MANUFACTURE									
SAC	STATUS/ADVICE CODE	X	X	X	X	X				
SQN	STATUS INQUIRY NUMBER									
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X				
SRU	SUPPLIER/UNC	X	X	X	X	X				
SMB	SUPPLY MANAG. BRANCH INDICATOR	X	X	X	X	X				
TAC	TAX CODE									
TCC	TAX CODE/CUR			X		X				
TPR	TAX PERCENTAGE RATE									
TRC	TAX PERCENTAGE RATE/CUR			X		X				
TPD	TAX POINT DATE									
TAU	TAX VALUE/CUR			X		X				
TEI	TEI IDENTITY IDENTIFIER									
TLC	TOTAL LINE VALUE/CUR			X						
TNC	TOTAL NUMBER OF CASES									
TOP	TYPE OF PRICE									
TPC	TYPE OF PRICE/CUR			X		X				
TOS	TYPE OF SUPPLY	X		X						
UDU	ULTIMATE DESTINATION CODE/UNC	X		X						
UOI	UNIT OF ISSUE	X		X		X				
UOM	UNIT OF MEASURE	X		X		X				
UPR	UNIT PRICE			X		X				
VOC	VOLUME OF CONSIGNMENT									
WOC	WEIGHT OF CONSIGNMENT									

## **6.5 Notes Used in Message Formats**

Within Mutual Support only the Note 4 of the standard range of notes used in Chapters 2 and 3 applies. It is reproduced here for ease of use.

NOTE 4: This Data Unit is required in a response if it was included in the initial message. It cannot necessarily be vetted in the message handler and may be vetted against the data base. The value will generally be the same as that in the related initial message. However, this general principle may be subject to contract/project rules.

## **6.6 Structure of Message Segments**

The structure of the segments and transactions is shown on the following pages. The following legend to identify certain abbreviations, codes and regulations is applicable.

### **Legend**

M = Mandatory

C = Conditional

O = Optional

/ = Indicates a repeating Data Unit. The number which follows the "/" indicates the number of times the Data Unit may repeat within the segment.

MESSAGE IDENTIFIER:

**SU 1: REQUEST FOR MSS  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/9		
				O	9	
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	MAH	MIS	MLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
RQN	REQUEST NUMBER	M				KEY
ORU	ORIGINATOR REFERENCE	O/20				
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
QTT	QUOTATION TARGET DATE	C				Project Specific
QED	QUOTATION EXPIRY DATE	C				Project Specific
QVP	QUOTATION VALIDITY	C				Project Specific
	PERIOD					
PLC	PACKAGING LEVEL CODE	O				
SMB	SUPPLY MANAG. BRANCH	C				Project Specific
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
PTY	PRIORITY REQUIREMENT	M				
DPT	DELIVERY POINT		O	O		
TOS	TYPE OF SUPPLY	O				
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY		M	M		KEY
	Segment Level		M	M		
	Contractor/Customer Indicator		M	M		
	Segment Sequence Number		M	M		
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR					
	MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
UOI	UNIT OF ISSUE		M			
QTY	QUANTITY		M	M		
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
AGE	AGERD NUMBER		O			

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SU 1: REQUEST FOR MSS  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M 0	M 1	O/9 2		
	SEGMENT TAG	MAH	MIS	MLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			
UDU	ULTIMATE DESTINAT. CODE/UNC		O	O		Project Specific
	Ultimate Destination Code		M	M		
	User (Nation) Code		O	O		
RDD	REQUIRED DEL. DATE		O	O		
SHM	SHIPPING METHOD		C	C		Project Specific
CAU	CARRIER/UNC		O	O		
	Carrier		M	M		
	User (Nation) Code		O	O		
SRU	SUPPLIER/UNC	O				Project Specific
	Supplier	M				
	User (Nation) Code	O				
HAZ	HAZARDOUS MATERIAL		O/20	O/20		
SIN	SENSITIVITY INDICATOR		O	O		
TUU	CUSTOMER TAX REGISTRATION	O	O	O		
	NUMBER/UNC					
	Customer Tax Reg Number	M	M	M		
	User (Nation) Code	O	O	O		

MESSAGE IDENTIFIER:

**SU 3: REJECTION OF REQUEST FOR MSS  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
	SEGMENT LEVEL	M				
		0	1	2		
	SEGMENT TAG	MBH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
RQN	REQUEST NUMBER	M				KEY (taken from SU1)
ORU	ORIGINATOR REFERENCE	C/20			Note 4	
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	M/20				
SMB	SUPPLY MANAG. BRANCH	C			Note 4	
	INDICATOR					
ECC	EVIDENCE CONTROL CODE	O				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC	O				
	Supplier	M				
	User (Nation) Code	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SV 1: RESPONSE TO REQUEST FOR MSS (OFFER)  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M	O/9		
		0	1	2		
	SEGMENT TAG	MCH	MJS	MMS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	C			Note 4	
RQN	REQUEST NUMBER	M				KEY
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
QNO	QUOTATION NUMBER	M				KEY
QDT	QUOTATION DATE	M				
QTT	QUOTATION TARGET DATE	C			Note 4	
QED	QUOTATION EXPIRY DATE	C			Note 4	
QVP	QUOTATION VALIDITY PERIOD	C			Note 4	
PLC	PACKAGING LEVEL CODE	C			Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
TOS	TYPE OF SUPPLY	O				
ECC	EVIDENCE CONTROL CODE	C			Note 4	
SLK	SEGMENT LEVEL CODE		M	M		KEY <u>Level 1</u> : SLK of original SU1
	Segment Level		M	M		Level 1
	Contractor/Customer Initiator		M	M		<u>Level 2</u> : SLK of original SU1 Level 2
	Segment Sequence Number		M	M		unless PKD present.
CHG	CHANGE CODE	M	M	M		
PKD	PREVIOUS KEY DATA		C/8	C/98		M if CHG = N following an amendment to an existing segment.
	Segment Level		M	M		
	Contractor/Customer Indicator		M	M		
	Segment Sequence Number		M	M		
CUR	CURRENCY CODE		C	O	M if UPR present	
EOC	ECONOMIC CONDITIONS/CUR		C/9	C/9		Project Specific
	Economic Conditions		M	M		
	Currency Code		M	M		
PCO	PRICE CONDITION		C	C		Project Specific
DPT	DELIVERY POINT		C	C	Note 4	
EXC	EXCHANGE CURRENCY CODE		C	C	M if EXU and ERT are present	
EXU	EXCHANGE RATE/CUR		C/9	C/9	M if EXC and ERT are present	
	Exchange Rate		M	M		
	Currency Code		M	M		
ERT	EXCHANGE RATE TYPE		C	C	M if EXU and EXC are present	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		

MESSAGE IDENTIFIER:

SV 1: RESPONSE TO REQUEST FOR MSS (OFFER)  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M	O/9		
				2		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	MCH	MJS	MMS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	O/20				
	User (Nation) Code	M				
SRU	SUPPLIER/UNC Supplier	O			Note 4	
	User (Nation) Code	C			Note 4	
PNR	PART NUMBER	C			Note 4	
MFU	NATO SUPPLY CODE FOR MANUF./UNC		C		Note 4	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		C		Note 4	
NSN	NATO STOCK NUMBER		C		Note 4	
	NATO Supply Class		M			
	NATO Item Identification Number		C		Note 4	
QTY	QUANTITY		M	M		
UOI	UNIT OF ISSUE		M			
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
ITY	ITEM TYPE		C		Note 4	
KEY	KEYWORD		C		Note 4	
AGE	AGERD NUMBER		C		Note 4	
SPQ	STANDARD PACKAGE QTY		C	C		Project Specific
PLT	PURCHASING LEAD TIME		C			Project Specific
DMC	DOMESTIC MANAG. CODE		C		Note 4	
MOI	MODEL IDENTIFICATION		C		Note 4	
MSQ	MINIMUM SALES QTY		O	O	If present must not be less than SPQ if present.	
UPR	UNIT PRICE		C	O	Not present if TOP 5 or 7. Note 2	
AUC	ADDITIVE UNIT PRICE/CUR		C/9	O/9	Not present if TOP 5 or 7.	
	Additive Unit Price		M	M		
	Currency Code		M	M		
PBD	PRICE BREAK DATA		O/9	O/9		
TPC	TYPE OF PRICE/CUR		C/9	C/9	Cannot be 5 or 7 if AUC or UPR present. Note 4	
	Type of Price		M	M		
	Currency Code		M	M		
PCA	PRICE CATEGORY		C	C		Project Specific
ACA	ADJUSTABLE COST DETAILS		O/30	O/30		
	Adjustable Cost		M	M		
	Adjustable Cost Code		M	M		
	Adjustable Cost Description		C	C	M if ACC first 2 Chars = MC	
	Currency Code		M	M		
TCC	TAX CODE/CUR		C/9	C/9	M if TAU present else optional	
	Tax Code		M	M		
	Currency Code		M	M		



**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SV 1: RESPONSE TO REQUEST FOR MSS (OFFER)  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/9				
		M	M	O/9		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	MCH	MJS	MLS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
TRC	TAX PERCENTAGE RATE/CUR		C/9	C/9	M if TAU present else optional	Project Specific
	Tax Percentage Rate		M	M		
	Currency Code		M	M		
TAU	TAX VALUE/CUR		O/9	O/9		
	Tax Value		M	M		
	Currency Code		M	M		
TLC	TOTAL LINE VALUE/CUR		O/9		If TOP not 5 or 7	
	Total Line Value		M			
	Currency Code		M			
UDU	ULTIMATE DESTINAT. CODE/UNC		C	C	Note 4	
	Ultimate Destination Code		M	M		
	User (Nation) Code		C	C	Note 4	
RDD	REQUIRED DEL. DATE		C	C	Note 4	
FDD	FORECAST DEL. DATE		C	C		
SHM	SHIPPING METHOD		C	C	Note 4	
CAU	CARRIER/UNC		C	C	Note 4	
	Carrier		M	M		
	User (Nation) Code		C	C	Note 4	
SHU	SHIPPED FROM/UNC		O	O		
	Shipped From		M	M		
	User (Nation) Code		O	O		
HAZ	HAZARDOUS MATERIAL		C/20	C/20	Note 4	
SIN	SENSITIVITY INDICATOR		C	C	Note 4	

MESSAGE IDENTIFIER:

**SV 3: REJECTION OF RESPONSE TO  
REQUEST FOR MSS  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	MDH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC Customer	M M				KEY
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC Contractor	M M				
	User (Nation) Code	C			Note 4	
QNO	QUOTATION NUMBER	M				KEY
QDT	QUOTATION DATE	M				
RQN	REQUEST NUMBER	M				KEY
SAC	STATUS/ADVICE CODE	M/20				
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	C/20			Note 4	
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	C			Note 4	
SMB	SUPPLY MANAG. BRANCH INDICATOR	C			Note 4	
ECC	EVIDENCE CONTROL CODE	C			Note 4	
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC Supplementary Address	C/20 M				
	User (Nation) Code	O				
SRU	SUPPLIER/UNC Supplier	O M				Project Specific
	User (Nation) Code	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SS 1: OFFER OF SURPLUS STOCK  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M/999			
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	MEH	MKS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
ORU	ORIGINATOR REFERENCE	C/20				
	NUMBER/ORT/UNC					
	Originator Reference Number	M				
	Originator	M				
	User (Nation) Code	O				
QNO	QUOTATION NUMBER	M				KEY. To be used in any subsequent SA1
QDT	QUOTATION DATE	M				
QED	QUOTATION EXPIRY DATE	O				
QVP	QUOTATION VALIDITY	O				
	PERIOD					
PLC	PACKAGING LEVEL CODE	O				
SMB	SUPPLY MANAG. BRANCH	O				
	INDIC					
ECC	EVIDENCE CONTROL CODE	O				
SAC	STATUS/ADVICE CODE	O/20	O/20			
REM	REMARKS	O/20	O/20			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SLK	SEGMENT LEVEL KEY		M			KEY. Will be created at this point.
	Segment Level		M			
	Contractor/Customer Indicator		M			
	Segment Sequence Number		M			
PNR	PART NUMBER		C		M if NSN not present	
MFU	NATO SUPPLY CODE FOR					
	MANUF./UNC		C		M if PNR present	
	NATO Supply Code for Manuf.		M			
	User (Nation) Code		O			
NSN	NATO STOCK NUMBER		C		M if PNR not present	
	NATO Supply Class		M			
	NATO Item Identification Number		M			
QTY	QUANTITY		M			
UOI	UNIT OF ISSUE		M			
UOM	UNIT OF MEASURE		C		M if UOI non-definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non-definitive	
SPQ	STANDARD PACKAGE QTY		O			
ITY	ITEM TYPE		O			
KEY	KEYWORD		O			
AGE	AGERD NUMBER		O			
DMC	DOMESTIC MANAG. CODE		O			
MOI	MODEL IDENTIFICATION		C			Project Specific

MESSAGE IDENTIFIER:

**SS 1: OFFER OF SURPLUS STOCK  
(CONTRACTOR TO CUSTOMER)**

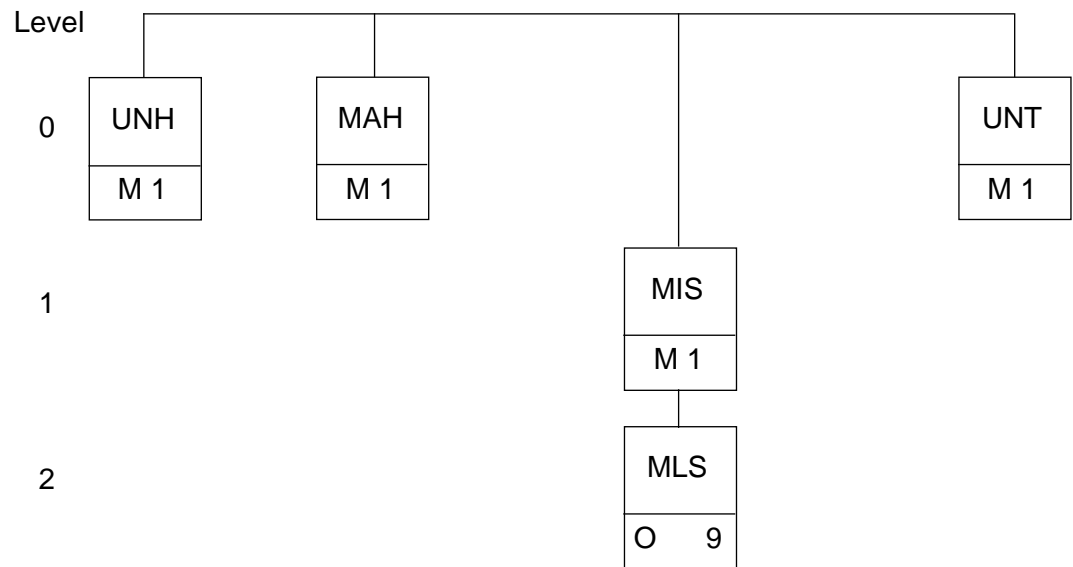
	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M/999			
			0	1	2	
	SEGMENT LEVEL					
	SEGMENT TAG	MEH	MKS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
MSQ	MINIMUM SALES QTY		O		If present must not be < SPQ if present	
AUC	ADDITIVE UNIT PRICE/CUR Additive Unit Price Currency Code		O/9 M M			
UPR	UNIT PRICE		C		M if TOP not 5 or 7	
PBD	PRICE BREAK DATA		O/9			
CUR	CURRENCY CODE		C		M if UPR present	
EOC	ECONOMIC CONDITIONS/CUR Economic Conditions Currency Code		O/9 M M			
TPC	TYPE OF PRICE/CUR Type of Price Currency Code		C/9 M M		Cannot be 5 or 7 if AUC or UPR present	
PCO	PRICE CONDITION		C			Project Specific
DPT	DELIVERY POINT		O			
PCA	PRICE CATEGORY		C			Project Specific
ACA	ADJUSTABLE COST DETAILS Adjustable Cost Adjustable Cost Code Adjustable Cost Description Currency Code		O/30 M M C M		M if ACC first 2 Chars = MC	
TCC	TAX CODE/CUR Tax Code Currency Code		C/9 M M		M if TAU present	
TRC	TAX PERCENTAGE RATE/CUR Tax Percentage Rate Currency Code		C/9 M M		M if TAU present	
TAU	TAX VALUE/CUR Tax Value Currency Code		O/9 M M			
TLC	TOTAL LINE VALUE/CUR Total Line Value Currency Code		O/9 M M		If TOP = 5 or 7	
SRU	SUPPLIER/UNC Supplier User (Nation) Code	O M O				Project Specific
HAZ	HAZARDOUS MATERIAL		O/20			
SIN	SENSITIVITY INDICATOR		O			

## **6.7 Branching Diagrams**

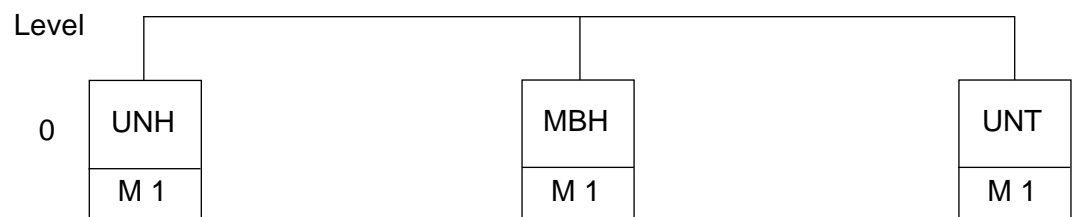
This part shows, in branching diagram form, all the message structures that can be used for the Mutual Support transactions.

For details of compilation see Appendix 2, Section 2-2, paragraph 3.1.5.

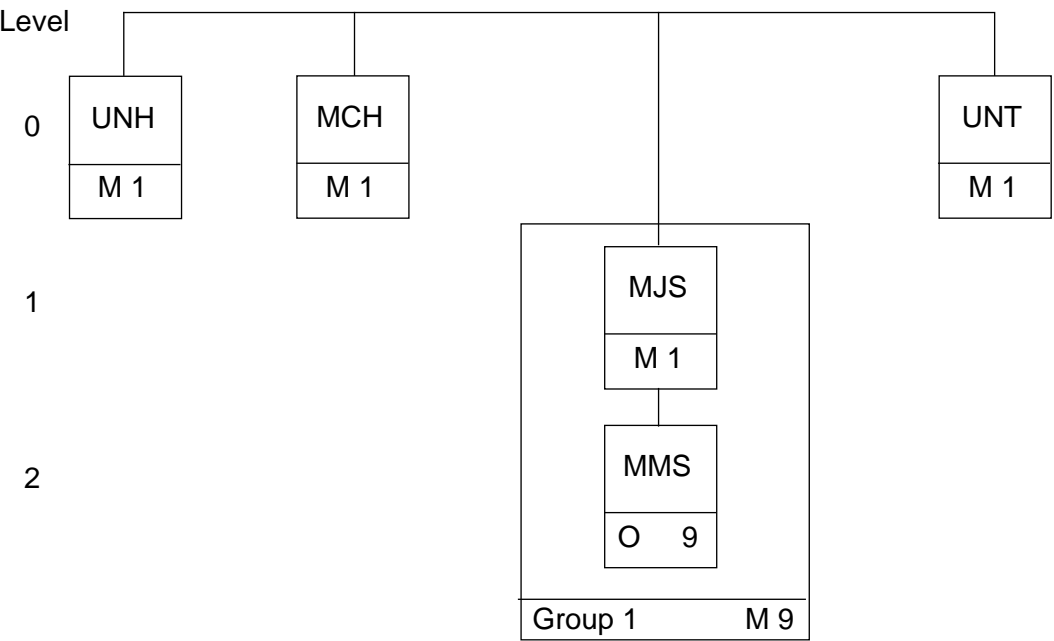
### BRANCHING DIAGRAM FOR SU1 TRANSACTION



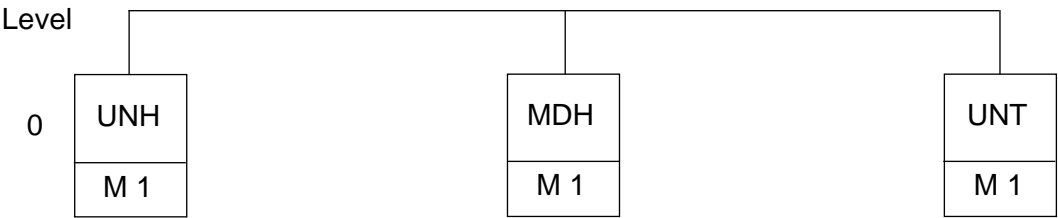
### BRANCHING DIAGRAM FOR SU3 TRANSACTION



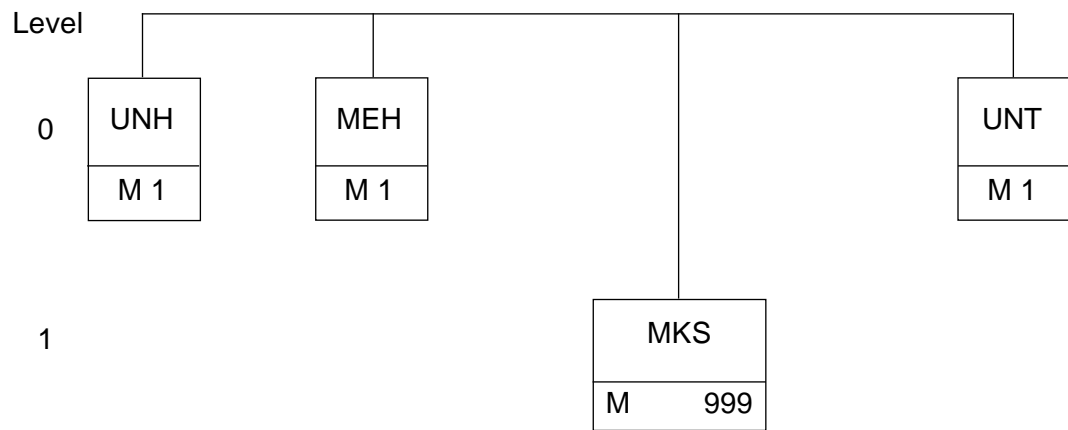
BRANCHING DIAGRAM FOR SV1 TRANSACTION



BRANCHING DIAGRAM FOR SV3 TRANSACTION



# BRANCHING DIAGRAM FOR SS1 TRANSACTION





BLANK

## 7. EXAMPLES

Note:

Within the following examples delimiters and release characters are shown to indicate their usage inside the messages as constructed for transmission purposes.

They will not appear as part of the physical display (Screen/Hardcopy).

For the definitive rules governing their use see App 2, A2-3, para 3.

### 7.1 Request for Mutual Supply Support: SU1 Transaction

This example shows the request for NSN 2740 12 163 0005 transmitted from GAF to RAF. The same request is also transmitted to IAF and SAF with a separate SU1.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

MAH+COC:SU1+CUU:00DCZ:\*GY+COU:RAF04:\*UK+RQN:DGYAEM81500001+QTT:230588+SMB:00DCZ+PTY:AOG+SAU:IAF03:\*IT+SAU:SAF02:\*SP'

#### Level 1 Segment

MIS+SLK:1:S:1+QTY:1+UOI:EA+NSN:2740:121630005+UDU:50683:\*GY+RDD:300588+CAU:51858:\*GY+REM:GAF PREPARED TO COLLECT'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

MAH      Segment Code

**TEI      DATA VALUE**

COC      SU1      Command Code

CUU      00DCZ:\*GY      Customer/User (Nation) Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

COU	RAF04:*UK	Contractor/User (Nation) Code:
RQN	DGYAEM81500001	Request Number shown on the SU1 Transaction (SU1 to RAF)
QTT	230588	Quotation Target Date, i.e. 23rd May 1988
SMB	00DCZ	Supply Management Branch Indicator
PTY	AOG	Priority Requirement of the request
SAU	IAF03:*IT	Supplementary Address/User (Nation) Code
SAU	SAF02:*SP	Supplementary Address/User (Nation) Code <u>Note:</u> The IAF and SAF are informed that the RAF have been asked for Mutual Support. It also indicates to the RAF that the IAF/SAF have been asked for MS.

### Level 1 Segment

MIS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Quantity
UOI	EA	Unit of Issue
NSN	2740:121630005	NATO Stock Number
UDU	50683:*GY	Ultimate Destination Code/User (Nation) Code
RDD	300588	Required Delivery Date, i.e. 30th May 1988
CAU	51858:*GY	Carrier/User (Nation) Code
REM		clear text Remarks

Trailer Segment - UNT

## 7.2 Rejection of Mutual Supply Support Request: SU3 Transaction

The request of para 7.1 had also been sent to the SAF and IAF with separate SU1's. The Spanish Air Force cannot meet the request SU1. Therefore the SAF responds by SU3.

### Message Construction

Header Segment - UNH

### Level 0 Segment

MBH+COC:SU3+CUU:00DCZ:\*GY+COU:SAF02:\*SP+RQN:DGYAEM81500002+SAC:BS+SMB:00DCZ'

Trailer Segment - UNT

### Message Translation

Header Segment - UNH

### Level 0 Segment

MBH      Segment Code

### TEI      DATA VALUE

COC      SU3      Command Code

CUU      00DCZ:\*GY      Customer/User (Nation) Code

COU      SAF02:\*SP      Contractor/User (Nation) Code

RQN      DGYAEM81500002      Request Number shown on the SU1 Transaction (SU1 to SAF)

SAC      BS      Status/Advice Code, i.e. reason for rejection eg. NO STOCK

SMB      00DCZ      Supply Management Branch Indicator

Trailer Segment - UNT

## SPECIFICATION 2000M

### 7.3 Response to Mutual Supply Support Request (Offer): SV1 Transaction

IAF and RAF are able to meet the request (SU1). The answer is given by SV1.  
Shown is only the SV1 Transaction by the IAF.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

MCH+COC:SVI+CUU:00DCZ:\*GY+COU:IAF03:\*IT+RQN:DGYAEM81500003+  
QNO:IAFCOS81500001+QDT:230588+QTT:230588+QED:011288+SMB:00DCZ+  
ECC:1231AM5+SAC:XF+CHG:U'

#### Level 1 Segment

MJS+SLK:1:S:1+QTY:1+UOI:EA+NSN:2740:121630005+UPR:70000+CAU:51858:\*GY+  
CUR:IT3+SHU:00053:\*IT+EOC:D100688:IT3+PCO:EXW+CHG:U+UDU:50683:\*GY+RDD:300588'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

MCH      Segment Code

**TEI      DATA VALUE**

COC      SV1      Command Code

CUU      00DCZ:\*GY      Customer / User (Nation) Code

COU      IAF03:\*IT      Contractor / User (Nation) Code

RQN      DGYAEM81500003      Request Number shown on the SU1 Transaction  
(SU1 to IAF)

QNO      IAFCOS81500001      Quotation Number generated by the Contractor

<b>TEI</b>	<b>DATA VALUE</b>	
QDT	230588	Quotation Date, i.e. 23rd May 1988
QTT	230588	Quotation Target Date, quoted on the SU1
QED	011288	Quotation Expiry Date, i.e. 1st Dec. 1988
SMB	00DCZ	Supply Management Branch Indicator
ECC	1231AM5	Evidence Control Code
SAC	XF	Status/Advice Code
CHG	U	Change Code "unchanged". Information in SV1 equals information of SU1.

**Level 1 Segment**

MJS Segment Code

**TEI DATA VALUE**

SLK	1:S:1	Segment Level Key: 1 is the Segment Level S is the Originator 1 is the Segment Sequence Number
QTY	1	Quantity
UOI	EA	Unit of Issue, i.e. "each"
NSN	2740:121630005	NATO Stock Number
UPR	70000	Unit Price, i.e. 700,000 Lira
CAU	51858:*GY	Carrier / User (Nation) Code
CUR	IT3	Currency Code in (1000) Italian Lira
SHU	00053:*IT	Shipped From/User Nation Code

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TEI	DATA VALUE	
ECO	D100688:IT3	Economic Conditions at 10th June 1988
PCO	EXW	Price Conditions, i.e. "ex-works"
CHG	U	Change Code "unchanged"; information in SV1 equals information of SU1
UDU	50683:*GY	Ultimate Destination Code/User (Nation) Code
RDD	300588	Required Delivery Date
Trailer Segment - UNT		

#### 7.4 Rejection of Response to Mutual Supply Support Request: SV3 Transaction

RAF and IAF have both been able to meet the request and have answered by a SV1. RAF was selected as the source of supply. GAF will now raise a SA1 to RAF to purchase the item. The non-selected participant (IAF) is to be informed about not accepting its' offer by a 'Rejection of Response to Mutual Supply Support Request, SV3'.

##### Message Construction

Header Segment - UNH

##### Level 0 Segment

MDH+COC:SV3+CUU:00DCZ:\*GY+COU:IAF03:\*IT+RQN:DGYAEM81500001+QNO:IAFCOS81500003+QDT:230588+SAC:XM+SMB:00DCZ+ECC:1231AM5'

Trailer Segment - UNT

##### Message Translation

Header Segment - UNH

##### Level 0 Segment

MDH      Segment Code

**TEI      DATA VALUE**

COC      SV3      Command Code

CUU      00DCZ:\*GY      Customer / User (Nation) Code

COU      IAF03:\*IT      Contractor / User (Nation) Code

RQN      DGYAEM81500003      Request Number shown in the SU1 Transaction (SU1 to IAF)

QNO      IAFCOS81500001      Quotation Number in the Contractor's SV1

QTD      230588      Quotation Target Date

SAC      XM      Status/Advice Code

SMB      00DCZ      Supply Management Branch Indicator

ECC      1231AM5      Evidence Control Code

Trailer Segment - UNT



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### 7.5 Offering of Surplus Stocks: SS1 Transaction

The GAF wants to offer 60 EA of NSN 2840 12 123 4567. The offer is made to the Italian Air Force. Separate SS1 are required, if the offer is to be made to other potential users.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

MEH+COC:SS1+CUU:IAF03:\*IT+COU:00DCZ:\*GY+QNO:DGYOSS81500001+QDT:230588+QED:300688+SMB:00DCZ+SAU:RAF04:\*UK+SAU:SAF02:\*SP+SAU:FAF05:\*FR'

#### Level 1 Segment

MKS+SLK:1:C:1+QTY:60+UOI:EA+NSN:2840:121234567+UPR:30000+CUR:DEM'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

MEH	Segment Code	
COC	SS1	Command Code
CUU	IAF03:*IT	Customer / User (Nation) Code
COU	00DCZ:*GY	Contractor / User (Nation) Code
QNO	DGYOSS81500001	Quotation Number, used to reference this offer
QDT	230588	Quotation Date - 23rd May 1988
QED	300688	Quotation Expiry Date, i.e. 30th June 1988
SMB	00DCZ	Supply Management Branch Indicator
SAU	RAF04:*UK	Supplementary Address/User (Nation) Code
SAU	SAF02:*SP	Supplementary Address/User (Nation) Code
SAU	FAF05:*FR	Supplementary Address/User (Nation) Code

**Level 1 Segment**

MKS      Segment Code

**TEI      DATA VALUE**

SLK      1:C:1      Segment Level Key:  
    1 is the Segment Level  
    C is the Originator  
    1 is the Segment Sequence Number

QTY      60      Quantity on offer

UOI      EA      Unit of Issue, i.e. "each"

NSN      2840:121234567      NATO Stock Number

UPR      30000      Unit Price

CUR      DEM      Currency Code of the Unit Price, i.e. DMs

Trailer Segment - UNT

**8. EXISTING INTERNATIONAL AGREEMENTS**

Existing agreements are for example:

- a. The NATO EUROLOG Air Sub Group procedure for mutual Emergency Supply Support. (peacetime regulation)
- b. The NATO Standardization Agreement (STANAG) 2135, Emergency Logistic Assistance. (period of tension or war regulation)
- c. The NATO Standardization Agreement (STANAG) 3113, Support of Visiting military Aircraft-Cross-Servicing. The AECMA Mutual Supply procedure should not be used for STANAG 3113.

## CHAPTER 4 - INVOICING

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**SECTION 4-1**  
**INVOICING - GENERAL**  
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## **INVOICING - GENERAL**

### **1. PURPOSE**

1.1 Chapters 2, 3 and 4 in this Specification describe the procedures and techniques for on-line orientated operation of Procurement Planning, Order Administration and Invoicing.

- Procurement Planning (Chapter 2) establishes a method of requesting quotations, issuing formal quotations and Customer Price Lists;
- Order Administration (Chapter 3) enables orders to be placed and progressed, for both Initial Provision and Follow-on Support including Repair and Overhaul (R+O);
- Invoicing (this Chapter) provides the rules and method for the transfer of invoice data and invoice progression between the Customer and Contractor.

1.2 The invoicing procedure described in this Chapter covers the following INVOICE CATEGORIES:

INVOICE CATEGORY A - Individual invoice transaction issued at/after delivery of goods for 100% of goods value, or an individual offset in relation to global progress payment.

INVOICE CATEGORY B - Invoicing of actual progress payments (lump sum).

INVOICE CATEGORY C - Invoicing of milestone progress payments or any other payment related to a plan based upon contractually agreed payment plans, for individual orders.

INVOICE CATEGORY D - Adjustment to previously accepted invoices and/or invoicing of Adjustable Costs not invoiced under category A.

INVOICE CATEGORY E - Invoice issued prior to delivery: e.g. customs or letter of credit purposes.

1.3 Invoice transactions reflect one of the following INVOICE TYPES relating to any single INVOICE CATEGORY.

INVOICE TYPE 1 - Preliminary Invoice, an invoice subject to further potential adjustment.

INVOICE TYPE 2 - Final Invoice, an invoice not requiring further adjustment (e.g. based on "Fixed" price agreements).



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1.4 For ease of understanding, the remainder of the invoicing procedure is presented as follows:

- |  |               |
|--|---------------|
| - Invoicing Process                                | Section 4 - 2 |
| - Flow Charts                                      | Section 4 - 3 |
| - Transactions/Command Codes/Data Element Matrices | Section 4 - 4 |
| - Examples   | Section 4 - 5 |

## **2. PRINCIPLES**

### **2.1 Basic Characteristics**

This Invoicing Procedure has been designed around certain principles.

They are:

- an invoice number must be unique within a Contractor and date. Invoice numbers are allocated by a Contractor.
- Invoice monetary values are always expressed with 2 implied decimal places. If in the multiplication process the third decimal place is greater than or equal to 5 the second decimal place will be rounded up. If the third decimal place is less than or equal to 4 the second decimal place will remain unchanged. Rounding rules are subject to project agreements.
- An invoice which can be an individual request for payment (SX1) may refer to a single order delivery or multiple order deliveries and, where appropriate, adjustable costs. In addition the possibility to raise summaries of invoices (SW1) is allowed to request payment for prevalidated invoices. The individual application of each methodology will be determined on a project specific basis.
- The routing of invoicing should be a reverse of the principles of the routing of orders (SA1).
- Adjustment to previously accepted invoice data is achieved using INVOICE CATEGORY D. Individual invoice data lines must show a debit or credit condition and all data units carrying a currency value must show the difference between the original invoice value and new invoice value. The invoice total adjustment must equate to the summation of individual values, plus, if applicable, tax.
- All monetary values expressed can be either positive or negative. For display (screen/hardcopy), when a negative value applies this will be indicated by a minus sign in front of the monetary value. When a positive value applies no sign will be shown.

## **2.2 Messages**

The administration of invoices normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, known as “transactions”.

They are detailed in Section 4-4.

## **2.3 Command Codes**

Individual transactions are clearly identified by means of Command Codes.

The Command Codes prescribe the format of the message structure to follow and any supporting logic. Furthermore, where subsequent action is required by the recipient, this can easily be understood from the contents of each transaction.

The Command Codes and their interrelationship with transactions can be found in Section 4-4.

## **2.4 Data Elements**

Individual Data Elements are defined in the Data Dictionary. (Appendix 1)

Guidance on the applicability of Data Elements to particular transactions will be found in the Data Element Incidence Matrix, Section 4-4, para. 3. Each transaction consists of a string of Data Units which may be either mandatory, conditional, or optional, depending upon the purpose for which the transaction has been designed. When a conditional Data Unit is appropriate and available to a specific transaction, then in those circumstances it should be transmitted.

## **2.5 Structuring of Messages**

There is a need for the Data Units for each transaction to be specially structured. Details can be found in Section 4-4.

## **2.6 Acknowledgement of Messages**

Messages (transactions) exchanged in commercial business generally require an acknowledgement (confirmation) of receipt.

For the exchange of data and information, one or more messages forming an interchange will be sent.

### **Interchange Level**

The Interchange will be acknowledged and error conditions notified by applying the regulations described in Appendix 2, Annex F.

## **SPECIFICATION 2000M**

### **Message Level**

At message level an acknowledgement will be generated and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Data Unit Level**

At Data Unit Level the User's application programs have to cope for any checks with regard to format, value and logical relationship.

The clarification of format and essentiality errors found can be achieved either by exchanging free text information (using the special free text message "FREETX") or by utilising the error notification message (ERRNLT), see Appendix 2, Annex F.

Value and logical relationship errors in an SX1/SW1 transaction will, because of firm legal requirements, lead to an invoice/summary claim rejection (SX3/SW3).

The ERRNLT must not be used in these circumstances.

### **Error Conditions**

To comply with the rules of minimum data transmission following the receipt of an ERRNLT or CONTRL message, the original Key Data plus relevant CHANGE CODE plus the corrected Segment or Data Unit only need to be transmitted. (see also Appendix 2, Annex F, para. 5.5 for full explanation).

Note - the CHANGE CODE is not always specified in the Message Description Sheets.

Rules for the use of CHANGE CODE can be found in Appendix 2, Section 3, para 4.4.

## **2.7 Invoicing of Composite Currencies**

Where a major assembly is priced and ordered in composite currencies, separate invoices will be raised for each constituent currency.

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**INVOICING PROCESS**  
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## **INVOICING PROCESS**

### **1. PURPOSE**

This section describes all the transactions necessary to operate an ADP based submission of invoices, their subsequent acceptance or rejection and payment status inquiry.

### **2. TRANSACTIONS**

#### **2.1 Invoice Submission (SX1)**

This transaction provides the capability for the Contractor to advise the Customer of an invoice.

An invoice may contain either single order invoice data or multiple order invoice data and where appropriate adjustable costs.

All items in a multiple invoice must be valid for invoicing.

Invoice adjustment may be achieved by a single invoice correcting many previously submitted invoices. Individual adjustment invoice lines will indicate a debit or credit condition. The adjustment invoice will show a credit or debit total.

#### **2.2 Invoice Acceptance (SX2)**

This transaction is the Customer's acceptance of the data content of the invoice transaction (SX1).

On a project specific basis an acceptance time period, after which acceptance shall be assumed by the Contractor, may be established as part of a Main Contract.

#### **2.3 Invoice Rejection (SX3)**

This transaction is used by the Customer to immediately advise the Contractor of rejection of the invoice transaction (SX1) data contents.

All rejections will be detailed by the Customer using the SX3 transaction, specifying the appropriate Data Units in error. The Customer will transmit the values he believes to be correct. The total invoice will as a result be rejected and a new invoice with a new invoice number must be submitted.

#### **2.4 Summary Claim Submission (SW1) (Request for Payment)**

This transaction provides the capability for the Contractor to advise the Customer of a summarised request for payment for previously submitted invoice data (SX1) which have been validated and accepted by the Customer (SX2), or, on a project specific basis, after a contractually agreed time period.

The summary must only be in one currency.

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### **2.5 Summary Claim Acceptance (SW2)**

This transaction is the Customer's acceptance of the data content of the claim transaction (SW1).

On a project specific basis an acceptance time period after which acceptance in the absence of an SW3 shall be assumed by the Contractor may be established as part of a main contract.

### **2.6 Summary Claim, Rejection (SW3)**

This transaction is used by the Customer to immediately advise the Contractor of rejection of the claim transaction (SW1) data contents.

All rejections will be detailed by the Customer using the SW3 transaction, specifying the appropriate Data Units in error. The Customer will transmit the values he believes to be correct.

The total claim will as a result be rejected and a new claim, with a new Invoice Number, must be submitted.

### **2.7 Payment Status Inquiry by Contractor (SY1)**

This transaction is used by the Contractor to make an inquiry onto the Customer regarding the payment status of an invoice or claim previously submitted.

### **2.8 Payment Status Response by Customer (SY2)**

This is the Customer's response transaction to a previously received SY1 transaction.

### **2.9 Payment Status Advice by Customer (SY4)**

This is the Customer's unsolicited message to inform the Contractor that one or more previously submitted SX1s/SW1s have been paid.

## **3. HASTENING TRANSACTIONS**

Guidance for the use and the content of Hastening Transactions for use in invoicing is contained in Chapter 3, para 3-3.

**SECTION 4-3**  
**FLOW CHARTS**  
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2. PAYMENT STATUS INQUIRY (SY1) / RESPONSE (SY2) .....	5
3. PAYMENT STATUS ADVICE BY CUSTOMER (SY4) .....	6



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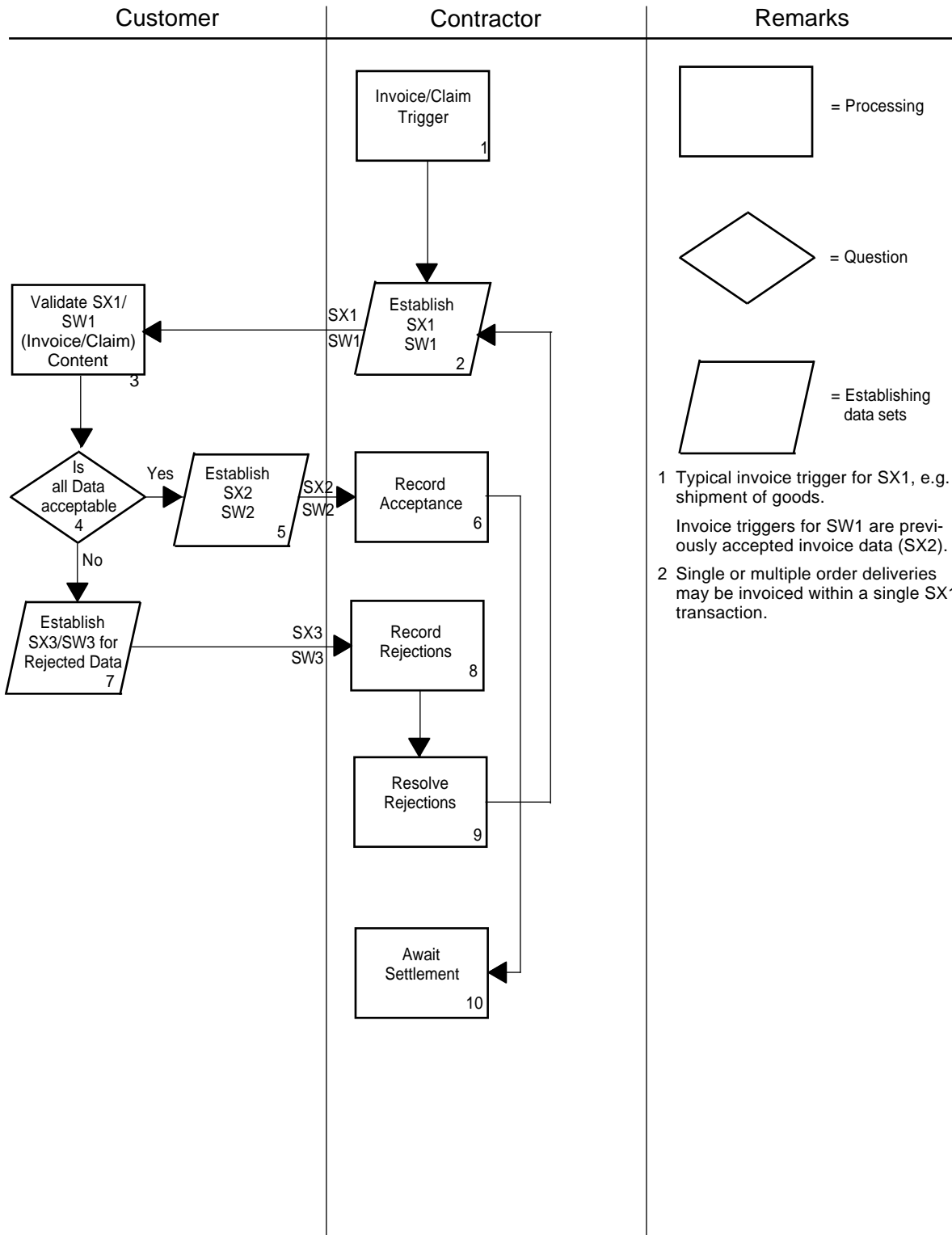
**NOTE**

The following Flow Charts are to give only a general outline sequence of events relevant to the activities within Invoicing.

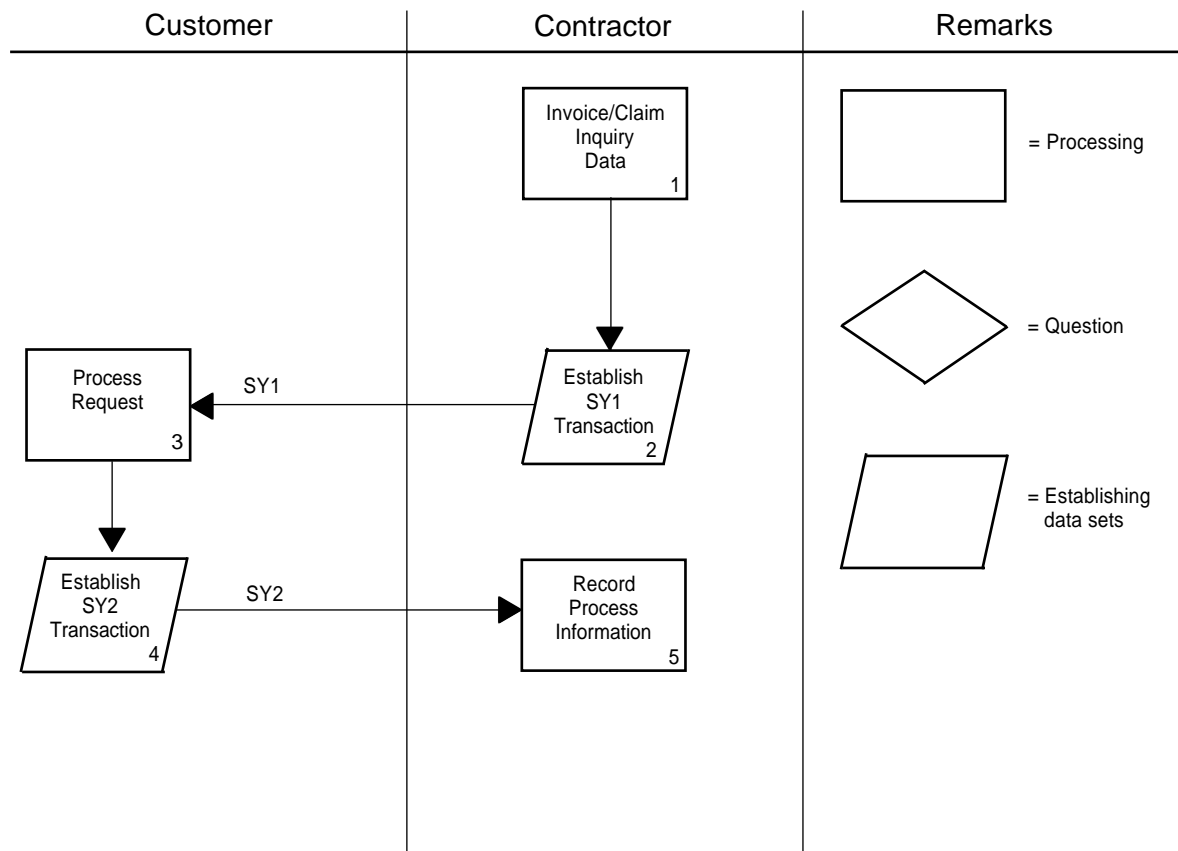
They are not to be substituted for the written paragraphs preceding this section.

# SPECIFICATION 2000M

## 1. INVOICE (SX1) / SUMMARY CLAIM (SW1) PROCESSING

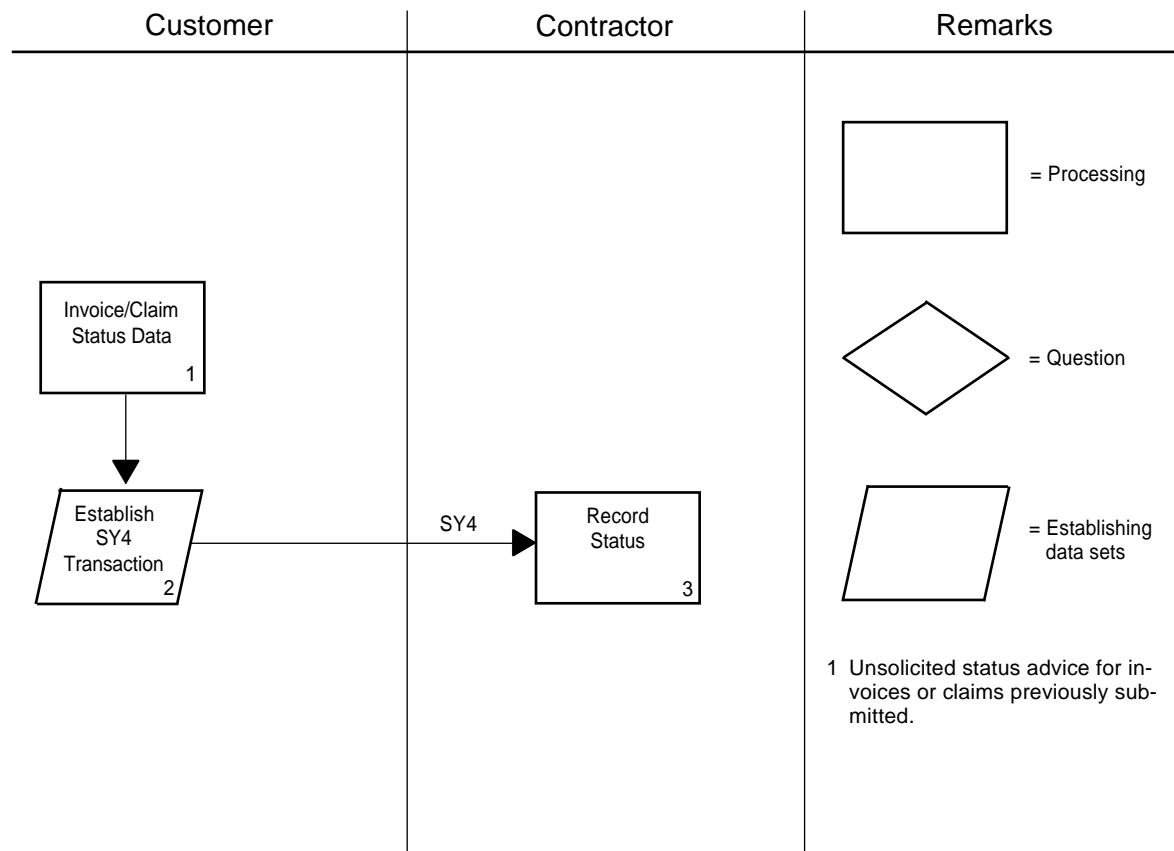


2. PAYMENT STATUS INQUIRY (SY1) / RESPONSE (SY2)



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## 3. PAYMENT STATUS ADVICE BY CUSTOMER (SY4)



## SECTION 4-4

### TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

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## TRANSACTIONS/COMMAND CODES/DATA ELEMENT MATRICES

### 1. PURPOSE

The procedures for the transmission of data are described in Appendix 2, Communication Techniques.

This section indicates the structure and the segmentation of all transactions for Invoicing as well as the Data Units belonging to each transaction.

For ease of understanding this section is presented as follows:

Para 2: Transactions and Command Codes

Para 3: Data Element Incidence Matrix

Para 4: Message Structures

Para 5: Branching Diagrams

### 2. TRANSACTIONS AND COMMAND CODES

#### 2.1 Purpose

This paragraph defines the interrelationship between Command Codes and transactions.

##### **Transactions**

The administration of invoices normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, the "transactions".

##### **Command Codes**

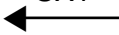
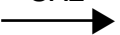
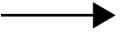
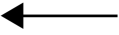
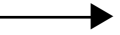
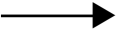
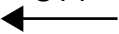
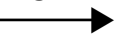
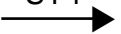
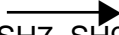
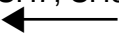
Individual transactions are clearly identified by means of Command Codes.

The relationship between transactions and Command Codes is outlined in Para 2.2.




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### 2.2 Transactions and Command Codes for Invoicing

		Acceptance	Rejection	Status
Invoice Submission	 SX1	 SX2	 SX3	
Summary Claim Submission	 SW1	 SW2	 SW3	
Payment Status Inquiry	 SY1	 SY2		 SY4
Hastening*	SH6, SH8  SH7, SH9 			

Customer to Contractor 

Contractor to Customer 

\* = See Section 3-3 for details of Hastening Messages

### 3. DATA ELEMENT INCIDENCE MATRIX INVOICING

MESSAGE IDENTIFYING COMMAND CODE		SX1	SX2	SX3	SW1	SW2	SW3	SY1	SY2	SY4	
TEI	DATA ELEMENT NAME										
AUC	ADDITIVE UNIT PRICE/CUR										
ACA	ADJUSTABLE COST DETAILS	X									
AGU	AGENTS TAX REGISTRATION NUMBER/UNC	X			X						
AGE	AGERD NUMBER										
AMN	AMENDMENT NUMBER										
BOL	BILL OF LADING NUMBER										
CAU	CARRIER/UNC										
CNO	CASE NUMBER										
CAN	CHANGE AUTHORITY NUMBER										
CHG	CHANGE CODE										
COC	COMMAND CODE	X	X	X	X	X	X	X	X	X	
CBU	CONTRACTOR'S BANK DETAILS	X			X						
TOU	CONTRACTOR TAX REGISTRATION NUMBER/UNC	X			X						
COU	CONTRACTOR/UNC	X	X	X	X	X	X	X	X	X	
CDD	CONTRACTUAL DELIVERY DATE	X									
CPU	COPRODUCER/UNC	X									
COR	COUNTRY OF ORIGIN	X			X						
CUD	CURE DATE										
CUR	CURRENCY CODE	X			X						
CAA	CPL ADDENDUM/AMENDMENT NUMBER	X									
CEF	CPL EFFECTIVE DATE										
CEX	CPL EXPIRY DATE										
CRE	CPL REFERENCE NUMBER	X									
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC	X			X						
CUU	CUSTOMER/UNC	X	X	X	X	X	X	X	X	X	
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	X		X							

Note 1: "X" indicates the presence of the Data Element within the message.

Note 2: When a Composite Data Element is shown its Component Data Elements are omitted.

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MESSAGE IDENTIFYING COMMAND CODE		SX1	SX2	SX3	SW1	SW2	SW3	SY1	SY2	SY4	
TEI	DATA ELEMENT NAME										
DEL	DELIVERY DATE	X									
DPT	DELIVERY POINT										
DNO	DIVERSION NUMBER										
DMC	DOMESTIC MANAGEMENT CODE										
DPC	DOWN/PROGRESS PAYMENT PERCENTAGE RATE	X									
DPV	DOWN/PROGRESS PAYMENT VALUE	X									
ETC	EARLIEST TIME OF COLLECTION										
ECO	ECONOMIC CONDITIONS	X									
EOC	ECONOMIC CONDITIONS/CUR										
ESR	ESCALATION FACTOR/CUR	X									
ESY	ESCALATION VALUE/CUR	X									
ECC	EVIDENCE CONTROL CODE	X									
EXC	EXCHANGE CURRENCY CODE	X									
EXU	EXCHANGE RATE/CUR	X									
ERT	EXCHANGE RATE TYPE	X									
FDD	FORECAST DELIVERY DATE										
GQA	GOVERNMENT QUALITY ASSURANCE AND CONTROL										
HNO	HASTENING NUMBER										
HAZ	HAZARDOUS MATERIAL										
IPP	INITIAL PROVISIONING PROJECT NO.										
ICY	INTERCHANGEABILITY										
ICA	INVOICE CATEGORY	X									
IDT	INVOICE DATE	X	X	X	X	X	X	X	X	X	
IDC	INVOICE DELIVERY LINE VALUE NETT/CUR	X									
INR	INVOICE NUMBER	X	X	X	X	X	X	X	X	X	
IOV	INVOICE ORDER LINE VALUE NETT	X									
ISU	INVOICE SENDER/UNC	X	X	X	X	X	X	X	X	X	
ITU	INVOICE TO/UNC	X	X	X	X	X	X	X	X	X	
ITX	INVOICE TOTAL TAX VALUE	X			X						
ITL	INVOICE TOTAL VALUE GROSS	X			X						

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MESSAGE IDENTIFYING COMMAND CODE		SX1	SX2	SX3	SW1	SW2	SW3	SY1	SY2	SY4	
TEI	DATA ELEMENT NAME										
IGV	INVOICE TOTAL VALUE NETT	X			X						
INT	INVOICE TYPE	X									
ITY	ITEM TYPE										
KEY	KEYWORD										
LOC	LETTER OF CREDIT NUMBER	X			X						
MSQ	MINIMUM SALES QUANTITY										
MOI	MODEL IDENTIFICATION										
NSN	NATO STOCK NUMBER	X									
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	X									
NNR	NOTICOL NUMBER										
NOU	NOTICOL ORIGINATOR/UNC										
OPR	OFFSET PERCENTAGE RATE	X									
OFV	OFFSET VALUE	X									
IPO	ORDER NUMBER	X		X							
OID	ORIGINAL INVOICE DATE	X		X	X		X				
OIN	ORIGINAL INVOICE NUMBER	X		X	X		X				
TTV	ORIGINAL INVOICE TOTAL TAX VALUE	X			X						
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS	X			X						
OGV	ORIGINAL INVOICE TOTAL VALUE NETT	X			X						
ORU	ORIGINATOR REFERENCE NUMBER/ORT/UNC	X		X							
OBI	OWN BRANCH INDICATOR	X			X						
PLC	PACKAGING LEVEL CODE	X									
PNR	PART NUMBER	X									
DPY	PAYMENT DATE	X			X			X	X	X	
PAN	PAYMENT STATUS ADVICE NUMBER									X	
PYT	PAYMENT TERMS	X			X						
POP	PERIOD OF PERFORMANCE	X									
CDU	PICK-UP POINT - CODED ADDRESS/UNC										
PUP	PICK-UP POINT - FULL ADDRESS										
PKD	PREVIOUS KEY DATA										
PBD	PRICE BREAK DATA										
PCA	PRICE CATEGORY	X									

## SPECIFICATION 2000M

MESSAGE IDENTIFYING COMMAND CODE		SX1	SX2	SX3	SW1	SW2	SW3	SY1	SY2	SY4	
TEI	DATA ELEMENT NAME										
PCO	PRICE CONDITION	X									
PCN	PRIME CONTRACT NUMBER	X			X						
PTY	PRIORITY REQUIREMENT										
PBN	PROCUREMENT BUDGET NUMBER	X									
PCD	PROCUREMENT CODE										
PPM	PROGRESS/PAYMENT MILESTONE NO.	X		X							
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER	X		X							
PCY	PROVISIONING CATEGORY										
PLT	PURCHASING LEAD TIME										
QTY	QUANTITY	X									
QUI	QUANTITY PER UNIT OF ISSUE	X									
QDT	QUOTATION DATE										
QED	QUOTATION EXPIRY DATE										
QNO	QUOTATION NUMBER										
QTT	QUOTATION TARGET DATE										
QVP	QUOTATION VALIDITY PERIOD										
RDT	RECEIPT DATE										
REM	REMARKS	X	X	X	X	X	X	X	X	X	
RNS	REPLACING NATO STOCK NUMBER										
RMU	REPLACING NATO SUPPLY CODE FOR MFR'S/UNC										
RPP	REPLACING PART NUMBER										
RUI	REPLACING UNIT OF ISSUE										
RQC	REQUEST FOR QUOTATION REPEAT COUNTER										
RQN	REQUEST NUMBER										
RDD	REQUIRED DELIVERY DATE										
SLK	SEGMENT LEVEL KEY	X		X						X	
SIN	SENSITIVITY INDICATOR										
SER	SERIAL NUMBER										
SIU	SHIP TO/UNC										
SCN	SHIPMENT/CONSIGNMENT NO.										
SHU	SHIPPED FROM/UNC	X									
SHM	SHIPPING METHOD										

MESSAGE IDENTIFYING COMMAND CODE		SX1	SX2	SX3	SW1	SW2	SW3	SY1	SY2	SY4	
TEI	DATA ELEMENT NAME										
STU	SOLD-TO/UNC	X			X						
SPQ	STANDARD PACKAGE QTY										
SOM	STATE OF MANUFACTURE										
SAC	STATUS/ADVICE CODE	X	X	X	X	X	X	X	X	X	
SQN	STATUS INQUIRY NUMBER										
SAU	SUPPLEMENTARY ADDRESS/UNC	X	X	X	X	X	X	X	X	X	
SRU	SUPPLIER/UNC	X									
SMB	SUPPLY MANAG. BRANCH INDICATOR	X									
TAC	TAX CODE	X			X						
TCC	TAX CODE/CUR										
TPR	TAX PERCENTAGE RATE	X			X						
TRC	TAX PERCENTAGE RATE/CUR										
TPD	TAX POINT DATE	X			X						
TAU	TAX VALUE/CUR										
TEI	TEI IDENTITY IDENTIFIER			X			X				
TLC	TOTAL LINE VALUE/CUR										
TNC	TOTAL NUMBER OF CASES										
TOP	TYPE OF PRICE	X									
TPC	TYPE OF PRICE/CUR										
TOS	TYPE OF SUPPLY	X			X						
UDU	ULTIMATE DESTINATION CODE/UNC										
UOI	UNIT OF ISSUE	X									
UOM	UNIT OF MEASURE	X									
UPR	UNIT PRICE	X									
VOC	VOLUME OF CONSIGNMENT										
WOC	WEIGHT OF CONSIGNMENT										

### **4. MESSAGE STRUCTURES**

#### **4.1 Purpose**

To describe the structure and format for Invoicing data exchange.

#### **4.2 Message Structure**

Within Invoicing for the exchange of data and information, each interchange consists of one or more messages to create or amend data. Deletion of invoicing data is not permitted.

A message consists of segments.

Each segment is related to a specific level. This relationship cannot be changed.

**LEVEL 0:** This is the highest level segment or portion of a total message. It relates those data units that from a business point of view should be grouped together. Being the highest level segment, it correspondingly retains the highest level data elements (e.g. Customer, Invoice Sender, Invoice To, Invoice Number, Prime Contract Number).

**LEVEL 1:** This is the next subordinate segment to Level 0. The Level 1 segment normally retains information relating to order data.

**LEVEL 2:** This is the next subordinate level to Level 1. The Level 2 segment contains data relating to variable requirements pertaining to the Level 1 data, e.g. delivery and/or price data.

#### **4.3 Segment Structure**

Within the Invoicing process, all transactions consist of a number of segments at a maximum of three levels. The segments occur in logical sequence of levels, the first at Level 0, commonly referred to as the data header.

Each segment comprises the segment code followed by the related Data Units (TEI: Data Element Value).

#### **4.4 Rules for Use of Message Structures**

- All transactions must have a Level 0 segment; depending on the level of detail being provided, additional Level 1 and 2 may be generated.
- A Level 2 segment may only be present if a corresponding Level 1 segment is present.

- For each message there is a variable number of segment level possibilities. This gives rise to the data default rule. Data default means that when the same data unit is permitted to be repeated across segment levels, it should only be used to convey the exception. For example a Currency Code (CUR) in Level 0 normally applies to all monetary values transmitted within a specific transaction; however, if a Level 2 segment quotes a different CC, then, for this particular Level 2 segment, the Level 2 CUR takes precedence over the Level 0 CUR.

#### **4.5 Structure of Message Segments**

The structure of the segments and transactions is shown on the following pages. The following legend to identify certain abbreviations, codes and regulations is applicable.

##### **Legend**

M = Mandatory

C = Conditional

O = Optional

/ = Indicates a repeating Data Unit. The number which follows the “/” indicates the number of times the Data Unit may repeat within the segment.

#### **4.6 Notes Used in Message Formats**

Within Invoicing only the Note 4 of the standard range of notes used in Chapters 2 and 3 applies. It is reproduced here for ease of use.

NOTE 4: This Data Unit is required in a response if it was included in the original invoice submission. It cannot necessarily be vetted in the message handler and may be vetted against the database. The value will generally be the same as that in the related submission message. However, this general principle may be subject to contract/project rules.



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## MESSAGE IDENTIFIER:

SX1: INVOICE SUBMISSION  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/ 99				
		M	M	C/999	M if ICA = A or E	
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	IAH	IJS	ILS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	O				
ITU	INVOICE TO/UNC	M				
	Invoice to	M				
	User (Nation) Code	O				
ICA	INVOICE CATEGORY	M				
INT	INVOICE TYPE	M				
IGV	INVOICE TOTAL VALUE NETT	M				
ITL	INVOICE TOTAL VALUE GROSS	M				
TAC	TAX CODE	M				
TPD	TAX POINT DATE	C				Project Specific
CUR	CURRENCY CODE	M		O		
DPY	PAYMENT DATE	O				
OBI	OWN BRANCH INDICATOR	O				
POP	PERIOD OF PERFORMANCE	C		C		Project Specific
	Period Start Date	M		M		
	Period End Date	M		M		
PCN	PRIME CONTRACT NUMBER	C			M if IPO not present, else optional	
ITX	INVOICE TOTAL TAX VALUE	C			M if TAC not = 000	
TPR	TAX PERCENTAGE RATE	C			M if TAC not = 000	
CBU	CONTRACTORS BANK DETAILS	C				Project Specific
	Contractors Bank Code	M				
	Contractors Account Number	M				
	User (Nation) Code	O				
ORU	ORIGINATOR REFERENCE		C/20			Project Specific
	NUMBER/ORT/UNC					
	Originator Reference Number		M			
	Originator		M			
	User (Nation) Code		O			
PPI	PROGRESS PAYMENT PLAN		C		M for ICA = B or C	
	IDENTIFIER					
PPM	PROGRESS PAYMENT MILESTONE		C	O	M for ICA = C	
	NUMBER					
SLK	SEGMENT LEVEL KEY		M	M		
	Segment Level		M	M		
	Contractor/Customer Indicator		M	M		
	Segment Sequence Number		M	M		
DPV	DOWN-/PROGRESS PAYMENT	C	C	C	M if DPC present	
	VALUE					
DPC	DOWN-/PROGRESS PAYMENT	O	O	O		
	PERCENTAGE RATE					
OFV	OFFSET VALUE		O	O		
OPR	OFFSET PERCENTAGE RATE		C	C	M if OFV present	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SX1: INVOICE SUBMISSION  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M	Group 1 M/99			
			M	C/999 M if ICA = A or E		
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	IAH	IJS	ILS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
STU	SOLD TO/UNC Sold To	O M				
CUU	User (Nation) Code CUSTOMER/UNC Customer	O C M				Project Specific
COU	User (Nation) Code CONTRACTOR/UNC Contractor	O C M				Project Specific
CPU	User (Nation) Code COPRODUCER/UNC Coproducer	O O M				
PYT	User (Nation) Code PAYMENT TERMS	O O				
LOC	LETTER OF CREDIT NUMBER	O				
PCO	PRICE CONDITION	O				
AGU	AGENTS TAX REGISTRATION NUMBER/UNC Agents Tax Registration Number	O M				
TUU	User (Nation) Code CUSTOMER TAX REGISTRATION NUMBER/UNC Customer Tax Reg Number	O O M				
TOU	User (Nation) Code CONTRACTOR TAX REGISTRA- TION NUMBER/UNC Contractors Tax Reg Number	O O M				
IPO	User (Nation) Code ORDER NUMBER	O	C		M if ICA = A or C or E	
DIU	DEL./INSPECT. NOTE NUMBER/ ORT/UNC Del./Inspect. Note Number Originator			C	M if ICA = A else optional	As referenced in related SJ1
IOV	User (Nation) Code INV ORDER LINE VALUE NETT			M M O		
IDC	INVOICE DEL. LINE VALUE NETT/CUR Invoice Del. Line Value Nett Currency Code		C		M if ICA = A or C	
OIN	ORIGINAL INVOICE NUMBER			C C M M		Project Specific
OID	ORIGINAL INVOICE DATE		C		M if ICA = D and ACC not = U9	
TTV	ORIGINAL INVOICE TOTAL TAX VALUE		O		M if ICA = D and ACC not = U9	
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS		O			
OGV	ORIGINAL INVOICE TOTAL VALUE NETT		O			
PNR	PART NUMBER			C		Project Specific

MESSAGE IDENTIFIER:

**SX1: INVOICE SUBMISSION  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M/99				
		M	M	C/999	M if ICA = A or E	
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	IAH	IJS	ILS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
MFU	NATO SUPPLY CODE FOR MANUF./UNC			C	M if PNR present	Project Specific
	NATO Supply Code for Manuf. User (Nation) Code			M		
				O		
NSN	NATO STOCK NUMBER			C		
	NATO Supply Class			M		
	NATO Item Identification Number			M		
QTY	QUANTITY			O		
UOI	UNIT OF ISSUE			O		
UOM	UNIT OF MEASURE			C	M if UOI non definitive	
QUI	QTY PER UNIT OF ISSUE			C	M if UOI non definitive	
COR	COUNTRY OF ORIGIN			O		Must not be 05 or 07
CDD	CONTRACTUAL DEL DATE			O		
TOS	TYPE OF SUPPLY			O		
UPR	UNIT PRICE			O		
TOP	TYPE OF PRICE			O		
DEL	DELIVERY DATE			O		
PCA	PRICE CATEGORY			O		
ACA	ADJUSTABLE COST DETAILS	C/20	C/20	C/20		
	Adjustable Cost	M	M	M		
	Adjustable Cost Code	M	M	M		
	Adjustable Cost Description	C	C	C	M if ACC first 2 chars = MC	Project Specific
	Currency Code	M	M	M		
SRU	SUPPLIER/UNC			O		
	Supplier			M		
	User (Nation) Code			O		
SHU	SHIPPED FROM/UNC			O		
	Shipped From			M		
	User (Nation) Code			O		
EXC	EXCHANGE CURRENCY CODE	O		O		
EXU	EXCHANGE RATE/CUR	C/9		C/9	M if EXC present	Must be the same code as the CUR in Level O
	Exchange Rate	M		M		
	Currency Code	M		M		
ERT	EXCHANGE RATE TYPE	C		C	M if EXC present	
ECO	ECONOMIC CONDITION	C		C	M if ESR present	
ESY	ESCALATION VALUE/CUR	O/9		O/9		
	Escalation Value	M		M		
	Currency Code	M		M		
ESR	ESCALATION FACTOR/CUR	C/9		C/9	M if ESY present	
	Escalation Factor	M		M		
	Currency Code	M		M		Relates only to the Unit Price
CRE	CPL REFERENCE NUMBER			O		
CAA	CPL ADD/AMT NUMBER			C	M if CRE present	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
SMB	SUPPLY MANAGEMENT		O	O		
	BRANCH INDICATOR					
ECC	EVIDENCE CONTROL CODE		O	O		
PLC	PACKAGING LEVEL CODE			O		
PBN	PROCUREMENT BUDGET NUMBER			O		

**SPECIFICATION 2000M**

**MESSAGE IDENTIFIER:**

**SX2: INVOICE ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)**

MESSAGE SEGMENTS AND ESSENTIALITY						
SEGMENT LEVEL		M				
SEGMENT TAG		0	1	2		
TEI	DATA ELEMENT NAME	IBH			ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	C			Note 4	
ITU	INVOICE TO/UNC	O				
	Invoice to	M				
	User (Nation) Code	C			Note 4	
CUU	CUSTOMER/UNC	C			Note 4	
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	C			Note 4	
	Contractor	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	O/20				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				

MESSAGE IDENTIFIER:

**SX3: INVOICE REJECTION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M	Group 1 C/99 Must be present if TEI IDENTITY IDENTIFIER does not appear on Level 0			
			M	C/999 Must be present if TEI IDENTITY IDENTIFIER does not appear in Level 1		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	ICH	ICS	IES		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	C			Note 4	
ITU	INVOICE TO/UNC	C			Note 4	
	Invoice to	M				
	User (Nation) Code	C			Note 4	
CUU	CUSTOMER/UNC	C			Note 4	
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	C			Note 4	
	Contractor	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
IPO	ORDER NUMBER		C		Note 4	
DIU	DEL/INSPECT. NOTE NUMBER/ ORT/UNC				Note 4	
	Del/Inspect. Note Number			C		
	Originator			M		
	User (Nation) Code			M		
ORU	ORIGINATOR REFERENCE NUMBER			C	Note 4	
	Originator Reference Number		C/20			
	Originator		M			
	User (Nation) Code		M			
	User (Nation) Code		C		Note 4	
OIN	ORIGINAL INVOICE NUMBER		C		Note 4	
OID	ORIGINAL INVOICE DATE		C		Note 4	
PPM	PROGRESS/PAYMENT MILESTONE NUMBER		C		Note 4	
PPI	PROGRESS/PAYMENT PLAN IDENTIFIER		C		Note 4	
SLK	SEGMENT LEVEL KEY		M	M		
	Segment Level		M	M		
	Contractor/Customer Indicator		M	M		
	Segment Sequence Number		M	M		
TEI	TEI IDENTITY IDENTIFIER	C/99	C/99	C/99	Must appear at least once in one of the segment levels	Customer Data Value Can also be used to indicate that no value is present.

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SW1: SUMMARY CLAIM SUBMISSION  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M/9999			
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	IDH	IDS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	O				
ITU	INVOICE TO/UNC	M				
	Invoice to	M				
	User (Nation) Code	O				
IGV	INVOICE TOTAL VALUE NETT	M				
ITL	INVOICE TOTAL VALUE GROSS	M				
TAC	TAX CODE	M				
TPD	TAX POINT DATE	C				Project Specific
CUR	CURRENCY CODE	M				
DPY	PAYMENT DATE	O				
OIN	ORIGINAL INVOICE NUMBER		M			KEY
OID	ORIGINAL INVOICE DATE		M			KEY
PCN	PRIME CONTRACT NUMBER	C				Project Specific
ITX	INVOICE TOTAL TAX VALUE	C			M if TAC not = 000	
TPR	TAX PERCENTAGE RATE	C			M if TAC not = 000	
CBU	CONTRACTORS BANK DETAILS	C				Project Specific
	Contractors Bank Code	M				
	Contractors Account Number	M				
	User (Nation) Code	O				
STU	SOLD TO/UNC	C	C			Project Specific
	Sold to	M	M			
	User (Nation) Code	O	O			
CUU	CUSTOMER/UNC	C				Project Specific
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	C				Project Specific
	Contractor	M				
	User (Nation) Code	O				
PYT	PAYMENT TERMS	M				
COR	COUNTRY OF ORIGIN	C				Project Specific
LOC	LETTER OF CREDIT NUMBER	O				
TOS	TYPE OF SUPPLY	O				
AGU	AGENTS TAX REGISTRATION NUMBER/UNC	O				
	Agents Tax Registration Number	M				
	User (Nation) Code	O				
TUU	CUSTOMER TAX REGISTRATION NUMBER/UNC	O				
	Customer Tax Reg Number	M				
	User (Nation) Code	O				
TOU	CONTRACTOR TAX REGISTRA- TION NUMBER/UNC	O				
	Contractors Tax Reg Number	M				
	User (Nation) Code	O				
OGV	ORIGINAL INVOICE TOTAL VALUE NETT		C			Project Specific
OGG	ORIGINAL INVOICE TOTAL VALUE GROSS		C			Project Specific

MESSAGE IDENTIFIER:

SW1: SUMMARY CLAIM SUBMISSION  
(CONTRACTOR TO CUSTOMER)

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M/9999			
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	IDH	IDS			
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
TTV	ORIGINAL INVOICE TOTAL		C			Project Specific
	TAX VALUE					
OBI	OWN BRANCH INDICATOR	O				
SAC	STATUS/ADVICE CODE	O/20	O/20			
REM	REMARKS	O/20	O/20			
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				



**SPECIFICATION 2000M**

**MESSAGE IDENTIFIER:**

**SW2:SUMMARY CLAIM ACCEPTANCE  
(CUSTOMER TO CONTRACTOR)**

MESSAGE SEGMENTS AND ESSENTIALITY						
SEGMENT LEVEL		M				
SEGMENT TAG		0	1	2		
		IEH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	C			Note 4	
ITU	INVOICE TO/UNC	C			Note 4	
	Invoice to	M				
	User (Nation) Code	C			Note 4	
CUU	CUSTOMER/UNC	C			Note 4	
	Customer	M				
	User (Nation) Code	C			Note 4	
COU	CONTRACTOR/UNC	C			Note 4	
	Contractor	M				
	User (Nation) Code	C			Note 4	
SAC	STATUS/ADVICE CODE	O/20				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				

MESSAGE IDENTIFIER:

**SW3: SUMMARY CLAIM REJECTION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M	Must be present if TEI IDENTITY IDENTIFIER does not appear on Level 0				
			C/9999				
	SEGMENT LEVEL	0	1	2			
	SEGMENT TAG	IFH	IFS				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS	
COC	COMMAND CODE	M					
INR	INVOICE NUMBER	M				KEY	
IDT	INVOICE DATE	M				KEY	
ISU	INVOICE SENDER/UNC	M				KEY	
	Sender	M					
	User (Nation) Code	C			Note 4		
ITU	INVOICE TO/UNC	C			Note 4		
	Invoice to	M					
	User (Nation) Code	C			Note 4		
CUU	CUSTOMER/UNC	C			Note 4		
	Customer	M					
	User (Nation) Code	C			Note 4		
COU	CONTRACTOR/UNC	C			Note 4		
	Contractor	M					
	User (Nation) Code	C			Note 4		
TEI	TEI IDENTITY IDENTIFIER	C/99	C/99		Must appear at least once in one of the Segment Levels	Customer Data Value Can also be used to indicate that no value is present.	
SAC	STATUS/ADVICE CODE	O/20	O/20				
REM	REMARKS	O/20	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20					
	Supplementary Address	M					
	User (Nation) Code	O					
OIN	ORIGINAL INVOICE NUMBER		M			KEY	
OID	ORIGINAL INVOICE DATE		M			KEY	

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SY1: PAYMENT STATUS INQUIRY  
(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
			1	2		
	SEGMENT LEVEL	0				
	SEGMENT TAG	IGH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	O				
ITU	INVOICE TO/UNC	M				
	Invoice to	M				
	User (Nation) Code	O				
CUU	CUSTOMER/UNC	O				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	O				
	Contractor	M				
	User (Nation) Code	O				
SAC	STATUS/ADVICE CODE	O/20				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
DPY	PAYMENT DATE	O				

MESSAGE IDENTIFIER:

SY2: PAYMENT STATUS RESPONSE  
(CUSTOMER TO CONTRACTOR)

	MESSAGE SEGMENTS AND ESSENTIALITY	M				
			0	1	2	
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	IHH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER	M				KEY
IDT	INVOICE DATE	M				KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Sender	M				
	User (Nation) Code	O				
ITU	INVOICE TO/UNC	O				
	Invoice to	M				
	User (Nation) Code	O				
CUU	CUSTOMER/UNC	O				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	O				
	Contractor	M				
	User (Nation) Code	O				
SAC	STATUS/ADVICE CODE	O/20				
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
DPY	PAYMENT DATE	O				

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SY4: PAYMENT STATUS ADVICE  
(CUSTOMER TO CONTRACTOR)**

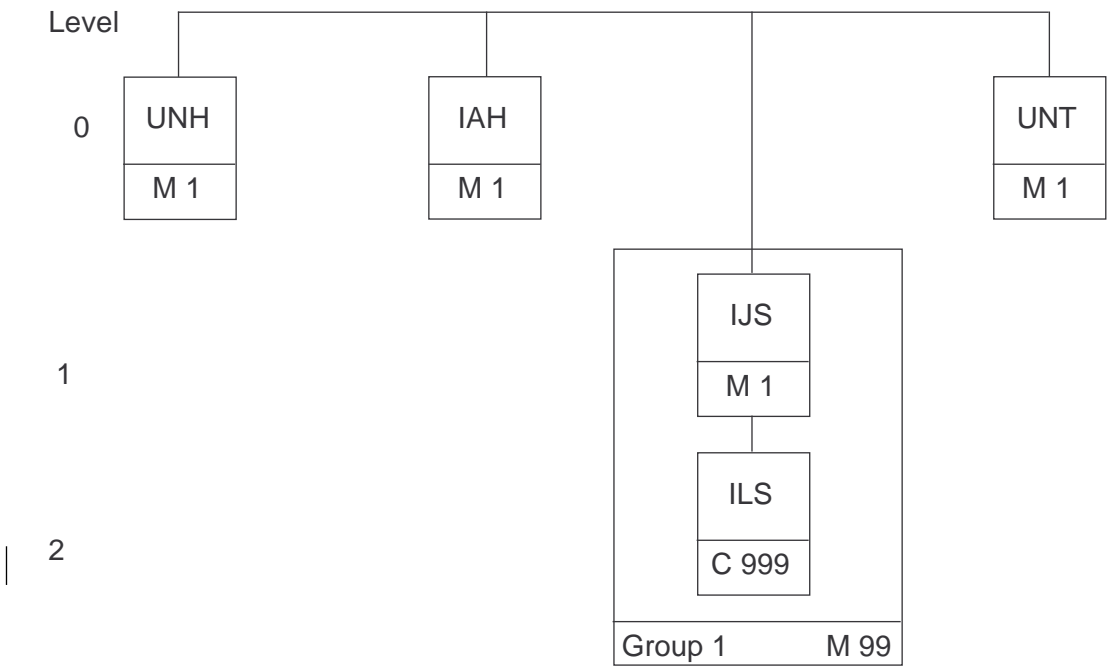
	MESSAGE SEGMENTS AND ESSENTIALITY	Group 1 M 30				
		M	M	M/9999		
		0	1	2		
	SEGMENT LEVEL					
	SEGMENT TAG	ILH	IMS	INS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
INR	INVOICE NUMBER			M		KEY
IDT	INVOICE DATE			M		KEY
ISU	INVOICE SENDER/UNC	M				KEY
	Originator	M				
	User (Nation) Code	O				
PAN	PAYMENT STATUS ADVICE	M				KEY
	NUMBER					
ITU	INVOICE TO/UNC	M				
	Invoice to	M				
	User (Nation) Code	O				
CUU	CUSTOMER/UNC	O				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	O				
	Contractor	M				
	User (Nation) Code	O				
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
DPY	PAYMENT DATE		M			
SLK	SEGMENT LEVEL KEY		M			KEY
	Segment Level		M			
	Contractor/Customer Indicator		M			
	Segment Sequence Number		M			

**5. BRANCHING DIAGRAMS**

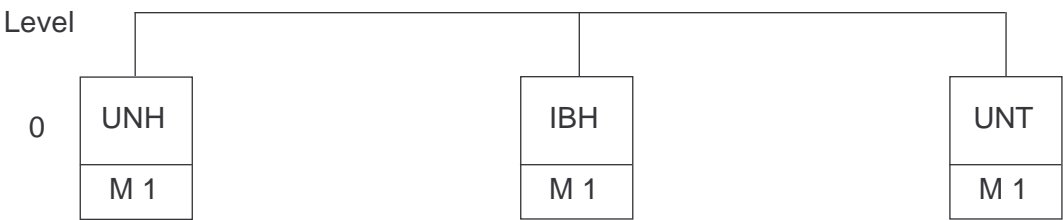
This paragraph shows, in branching diagram form, all the message structures that can be used in the invoicing transactions.

For details of compilation see Section A2-2, Message Preparation for Transmission.

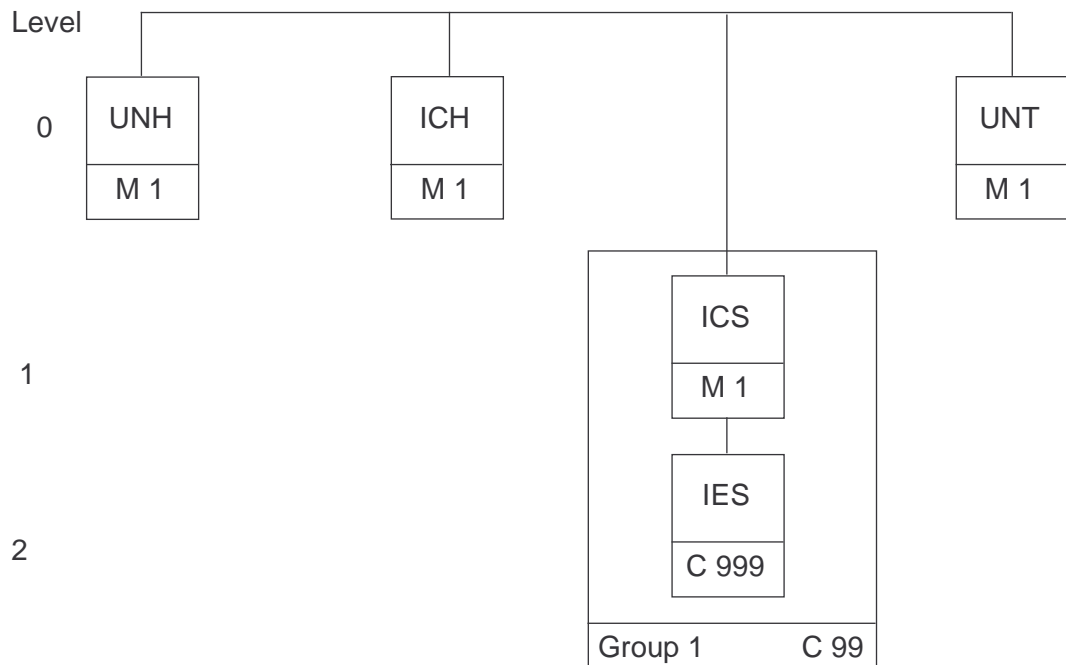
BRANCHING DIAGRAM FOR SX1 TRANSACTION



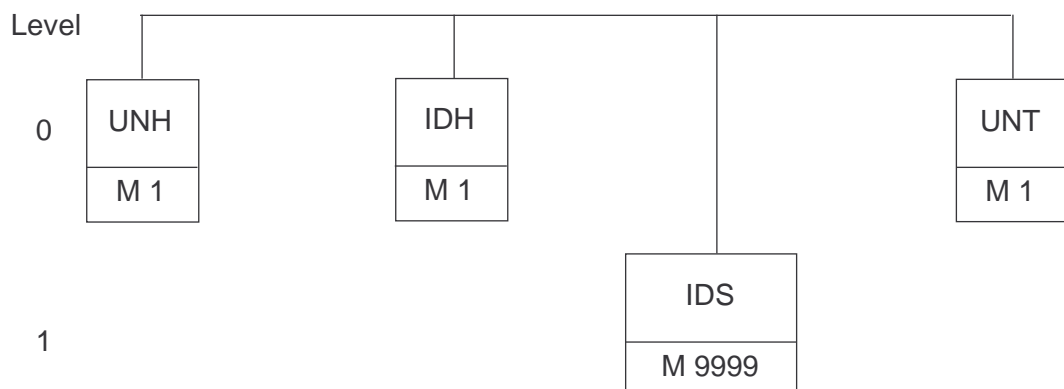
BRANCHING DIAGRAM SX2 TRANSACTION



**BRANCHING DIAGRAM FOR SX3 TRANSACTION**

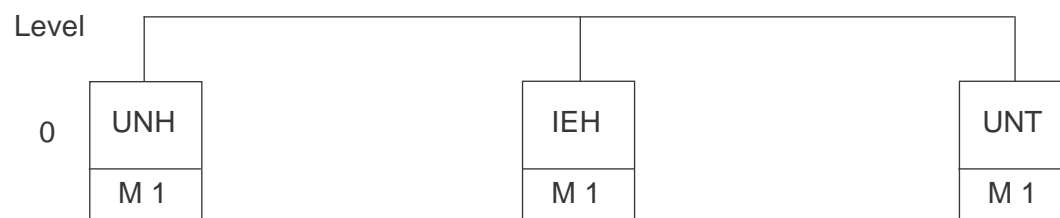


**BRANCHING DIAGRAM FOR SW1 TRANSACTION**

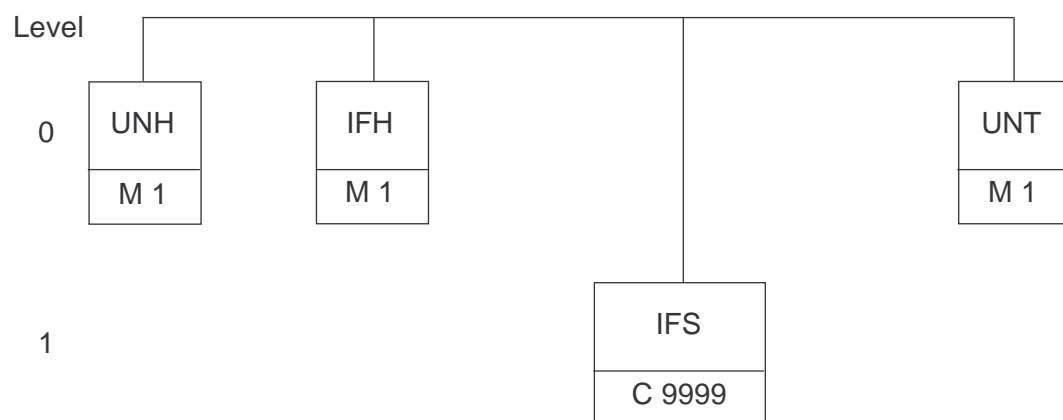




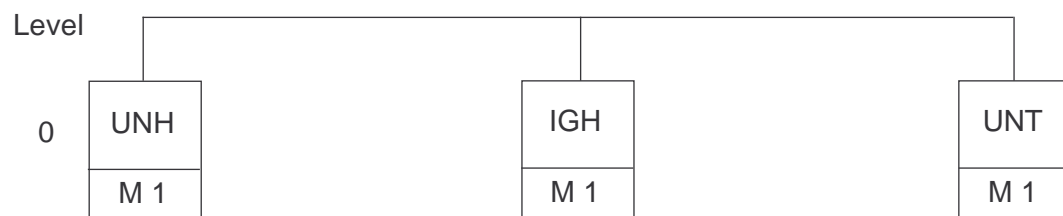
### BRANCHING DIAGRAM FOR SW2 TRANSACTION



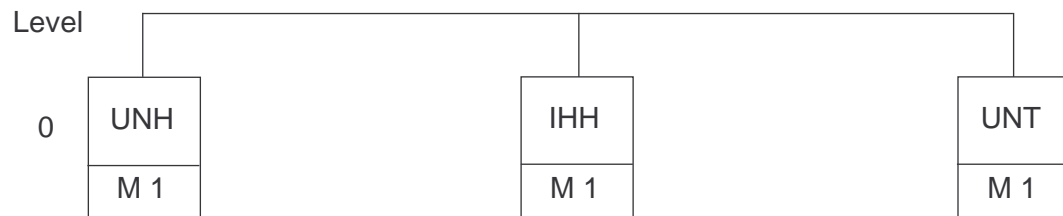
### BRANCHING DIAGRAM FOR SW3 TRANSACTION



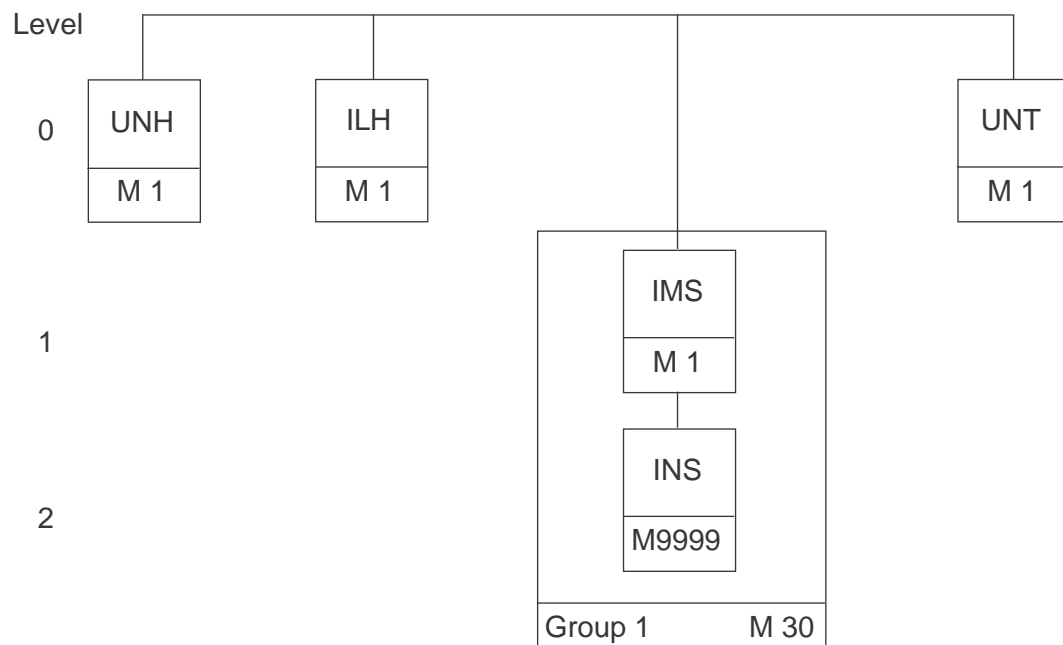
### BRANCHING DIAGRAM FOR SY1 TRANSACTION



### BRANCHING DIAGRAM FOR SY2 TRANSACTION



### BRANCHING DIAGRAM FOR SY4 TRANSACTION



**BLANK**

## SECTION 4-5

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## **SPECIFICATION 2000M**

### **NOTE:**

Within the following examples delimiters and release characters are shown to indicate their usage inside the messages as constructed for transmission purposes.

They will not appear as part of the physical display (Screen/Hardcopy).

For the definitive rules governing their use see Appendix 2, A2-3, para 3.

## 1. INVOICE SUBMISSION: SX1 TRANSACTION

### 1.1 Invoice Category A (Invoice after Delivery of Goods)

A Contractor (MBB) releases an invoice to the Customer (BWB) against two orders after delivery of the goods. The goods have been sold to GAF.

The unit price of DM 125,000.- of the first order line for Part Number 2894801 is defined by the CPL (APL705188) which has already been agreed with the National Pricing Authority with Type of Price "Fixed Definite". The quantity delivered was 3 items.

The unit price of the items delivered for the second order line for NATO Stock Number 2840121976314 amounts to FFr 20,000.- which results in a unit price of DM 10,000.- by applying an exchange rate of 0.5. The quantity delivered was 5. In addition to the unit price transportation charges of DM 100.- and 2 % handling charges on the unit price are invoiced for the second order line. The unit price and the handling charge percentage rate are Type of Price "Provisional" due to pending agreements with the National Pricing Authorities in France and Germany.

This SX1 transaction is transmitted for validation purposes only and will, after acceptance, be followed by a Summary Claim Submission (SW1).

## MESSAGE CONSTRUCTION

Header Segment - UNH

### Level 0 Segment

IAH+COC: SX1+INR: MBB1234567+IDT: 010688+ISU: C0419:\*GY+ITU: 00DCZ:\*GY+CUU: 00DCZ:\*GY+COU: C0419:\*GY+ICA: A+INT: 1+CUR: DEM+STU: 00DCX:\*GY+IGV: 42610000+ITL: 46871000+TAC: 001+ TPR: 1000+ITX: 4261000+DPY: 010788'

### 1. Level 1 Segment

IJS+SLK: 1:C: 1+IPO: BWBFURLF00101+ORU: LFMLA091297: 00DCX:\*GY+IOV: 37500000'

### Level 2 Segment

ILS+SLK: 2:C: 12+DIU: 000132: C0419:\*GY+PNR: 2894801+MFU: D0272:\*GY+QTY: 3+PCA: OB+UPR: 12500000+CRE: APL705188+CAA: 1+TOP: 01+IDC: 37500000: DEM'

### 2. Level 1 Segment

IJS+SLK: 1:C: 2+IPO: BWBFURLF00102+ORU: LFMLA101287: 00DCX:\*GY+IOV: 5110000'

## SPECIFICATION 2000M

### Level 2 Segment

ILS+SLK:2:C:7+DIU:000133:C0419:\*GY+NSN:2840:121976314+QTY:5+PCA:OA+UPR:  
2000000+CUR:FRF+EXC:DEM+EXU:05000:FRF+ERT:F300588+TOP:04+ACA:10000:  
U1V::DEM+ACA:200:U6N::DEM+ACA:100000:U6T::DEM+IDC:5110000:DEM'

Trailer Segment - UNT

### MESSAGE TRANSLATION

Header Segment - UNH

### Level 0 Segment

IAH            Segment Code

**TEI            DATA VALUE**

COC           SX1                    Command Code

INR           MBB1234567           Invoice Number

IDT           010688                   Invoice Date

ISU           C0419:\*GY               Invoice Sender/User (Nation) Code

ITU           00DCZ:\*GY               Invoice To/User (Nation) Code

CUU           00DCZ:\*GY               Customer/User (Nation) Code

COU           C0419:\*GY               Contractor/User (Nation) Code

ICA           A                        Invoice Category for invoices after delivery

INT           1                            Invoice Type "Preliminary"

CUR           DEM                    Currency Code for Deutsche Mark.

STU           00DCX:\*GY               Sold To/User (Nation) Code

IGV           42610000               Invoice Total Value Nett

ITL           46871000               Invoice Total Value Gross

TAC           001                        Tax Code, i.e. Value Added Tax applies

**TEI            DATA VALUE**

TPR	1000	Tax Percentage Rate = 10 %
ITX	4261000	Invoice Total Tax Value
DPY	010788	Payment Date

**1. Level 1 Segment**

IJS            Segment Code

**TEI            DATA VALUE**

SLK            1:C:1            Segment Level Key  
    1 is the Segment Level  
    C is the Originator  
    1 is the Segment Sequence Number

IPO            BWBFURLF00101            Order Number

ORU            LFMLA091297:  
                          00DCX:\*GY            Originator Reference Number/Originator/  
    User (Nation) Code

IOV            37500000            Invoice Order Line Value Nett

**Level 2 Segment**

ILS            Segment Code

**TEI            DATA VALUE**

SLK            2:C:12            Segment Level Key  
    2 is the Segment Level  
    C is the Originator  
    12 is the Segment Sequence Number

DIU            000132:C0419:\*GY            Delivery and Inspection Note Number/Originator/  
    User (Nation) Code

PNR            2894801            Part Number

MFU            D0272:\*GY            NATO Supply Code for Manufacturers/User (Nation)  
    Code

QTY            3            Quantity



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

PCA	OB	Price Category for CPL Prices
UPR	12500000	Unit Price
CRE	APL705188	CPL Reference Number
CAA	1	CPL Addendum/Amendment Number
TOP	01	Type of Price, "Fixed Definitive"
IDC	37500000:DEM	Invoice Delivery Line Value Nett/Currency Code

### 2. Level 1 Segment

IJS Segment Code

TEI	DATA VALUE
-----	------------

SLK	1:C:2	Segment Level Key 1 is the Segment Level C is the Originator 2 is the Segment Sequence Number
IPO	BWBFURLF00102	Order Number
ORU	LFMLA101287: 00DCX:*GY	Originator Reference Number/Originator/ User (Nation) Code
IOV	5110000	Invoice Order Line Value Nett

### Level 2 Segment

ILS Segment Code

TEI	DATA VALUE
-----	------------

SLK	2:C:7	Segment Level Key 2 is the Segment Level C is the Originator 7 is the Segment Sequence Number
DIU	000133:C0419:*GY	Delivery and Inspection Note Number/Originator Code/User (Nation) Code
NSN	2840:121976314	NATO Stock Number

<b>TEI</b>	<b>DATA VALUE</b>	
QTY	5	Quantity
PCA	OA	Price Category for Order Price
UPR	2000000	Unit Price
CUR	FRF	Currency Code for French Francs
EXC	DEM	Exchange Currency Code
EXU	05000:FRF	Exchange Rate/Currency Code
ERT	F300588	Exchange Rate Type of Frankfurt Stock Exchange on 30th May 1988
TOP	04	Type of Price "Provisional"
ACA	10000:U1V::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Adjustable Cost Description omitted)
ACA	200:U6N::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Adjustable Cost Description omitted)
ACA	100000:U6T::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Adjustable Cost Description omitted)
IDC	5110000:DEM	Invoice Delivery Line Value Nett/Currency Code
Trailer Segment - UNT		

## SPECIFICATION 2000M

### 1.2 Invoice Category B (Progress Payment Invoice)

A Contractor (MBB) releases an invoice to the Customer (BWB) claiming DM 48,000,000.- progress payment for the first six months of 1989 under the Prime Contract Number 7001183, identified by a Progress/Payment Plan Identifier 1Y01061989.

This SX1 transaction is a request for payment.

### MESSAGE CONSTRUCTION

Header Segment - UNH

#### Level 0 Segment

IAH+COC: SX1+INR: MBB1234999+IDT: 011288+ISU: C0419:\*GY+ITU: 00DCZ:\*GY+CUU: 00DCZ:\*GY+COU: C0419:\*GY+PCN: 7001183+CUR: DEM+ICA: B+INT: 2+IGV: 4800000000+ITL: 5280000000+TAC: 001+TPR: 1000+ITX: 4800000000+DPY: 010189+SAC: ND+SAC: 1F+REM: SEE PRICE AGREEMENT LETTER BWB DATED 15.11.88 REF. 12345.'

#### Level 1 Segment

IJS+SLK: 1:C: 1+PPI: 1Y01061989+DPV: 4800000000'

Trailer Segment - UNT

### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

IAH Segment Code

**TEI DATA VALUE**

COC SX1 Command Code

INR MBB1234999 Invoice Number

IDT 011288 Invoice Date

ISU C0419:\*GY Invoice Sender/User (Nation) Code

ITU 00DCZ:\*GY Invoice To/User (Nation) Code

CUU 00DCZ:\*GY Customer/User (Nation) Code

<b>TEI</b>	<b>DATA VALUE</b>	
COU	C0419:*GY	Contractor/User (Nation) Code
PCN	7001183	Prime Contract Number
CUR	DEM	Currency Code for Deutsche Mark
ICA	B	Invoice Category for Progress Payment Invoice
INT	2	Invoice Type "Final"
IGV	4800000000	Invoice Total Value Nett
ITL	5280000000	Invoice Total Value Gross
TAC	001	Tax Code, Value Added Tax applies
TPR	1000	Tax Percentage Rate = 10 %
ITX	4800000000	Invoice Total Tax Value
DPY	010189	Payment Date
SAC	ND	Status/Advice Code; the SX1 transaction is a request for payment
SAC	1F	Status/Advice Code, "See Remarks"
REM	SEE PRICE AGREE- MENT LETTER BWB DATED 15.11.88 REF. 12345.	is a Freetext Remark

**Level 1 Segment**

IJS            Segment Code

**TEI            DATA VALUE**

SLK            1:C:1            Segment Level Key  
    1 is the Segment Level  
    C is the Originator  
    1 is the Segment Sequence Number

PPI            1Y01061089            Progress/Payment Plan Identifier

DPV            4800000000            Down/Progress Payment Value

Trailer Segment - UNT

## SPECIFICATION 2000M

### 1.3 Invoice Category C (Milestone Payment Invoice)

On the basis of an agreed Milestone Payment Plan identified by the Progress/ Payment Plan Identifier 1Y12345 a Contractor (MBB) claims payment of DM 4,570,000.- for the milestone achieved on 1st July 88 from a Customer (BWB).

This SX1 transaction is a request for payment.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

IAH+COC: SX1+INR: MBB12349010+IDT: 100788+ISU: C0419:\*GY+ITU: 00DCZ:\*GY+CUR: DEM+ICA: C+INT: 2+IGV: 457000000+ITL: 502700000+TAC: 001+TPR: 1000+ITX: 45700000+DPY: 100888+SAC: ND'

#### Level 1 Segment

IJS+SLK: 1:C: 1+IPO: BWBFUR1F00105+ORU: LFMLA101290: 00DCX:\*GY+PPI: 1Y12345+PPM: D010788+DPV: 457000000'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

IAH	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
COC	SX1	Command Code
INR	MBB12349010	Invoice Number
IDT	100788	Invoice Date
ISU	C0419:*GY	Invoice Sender/User (Nation) Code
ITU	00DCZ:*GY	Invoice To/User (Nation) Code
CUR	DEM	Currency Code for Deutsche Mark
ICA	C	Invoice Category for Milestone Payment Invoice

<b>TEI</b>	<b>DATA VALUE</b>	
INT	2	Invoice Type, "Final"
IGV	457000000	Invoice Total Value Nett
ITL	502700000	Invoice Total Value Gross
TAC	001	Tax Code, Value Added Tax applies
TPR	1000	Tax Percentage Rate = 10 %
ITX	457000000	Invoice Total Tax Value
DPY	100888	Payment Date
SAC	ND	Status/Advice Code
<b>Level 1 Segment</b>		
IJS	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
SLK	1:C:1	Segment Level Key 1 is the Segment Level C is the Originator 1 is the Segment Sequence Number
IPO	BWBFUR1F00105	Order Number
ORU	LFMLA101290: 00DCX:*GY	Originator Reference Number/Originator/ User (Nation) Code
PPI	1Y12345	Progress/Payment Plan Identifier
PPM	D010788	Progress/Payment Milestone Number
DPV	457000000	Down/Progress Payment Value
Trailer Segment - UNT		

## SPECIFICATION 2000M

### 1.4 Invoice Category D (Adjustment Invoice), Invoice Type "Preliminary"

After Fix Price Agreement with the French National Pricing Authority for NATO Stock Number 2840121976314 which had already been invoiced with Type of Price "Provisional" (see example 1.1, second order line) an adjustment invoice is sent.

The unit price is being adjusted from previously FFr 20,000.- to FFr 22,000.-. By applying again the exchange rate of 0.5. this results in an adjustment of the unit price from DM 10,000.- to DM 11,000.-. Only the difference to the already invoiced amount is shown, i.e. 5 times DM 1,000.- = DM 5,000,-. In addition the Handling Charge of 2 % for DM 5.000,- is invoiced.

This invoice is still Invoice Type "Preliminary" because the Fix Price Agreement with the German National Pricing Authority for the Handling Charge percentage rate has not yet been achieved.

This SX1 transaction is transmitted for validation purposes only and will, after acceptance, be followed by a Summary Claim Submission (SW1).

Note: In an adjustment invoice all monetary values show the difference between the original invoice and the subsequent invoice.

## MESSAGE CONSTRUCTION

Header Segment - UNH

### Level 0 Segment

IAH+COC: SX1+INR: MBB1234600+IDT: 010788+ISU: C0419:\*GY+ITU: 00DCZ:  
\*GY+ICA: D+INT: 1+CUR: DEM+IGV: 510000+ITL: 561000+TAC: 001+TPR: 1000+ITX:  
51000+DPY: 010888'

### Level 1 Segment

IJS+SLK: 1:C: 2+OIN: MBB1234567+OID: 010688+IPO: BWBFURLF00102+IOV: 510000'

### Level 2 Segment

ILS+SLK: 2:C: 7+DIU: 000133: C0419:\*GY+QTY: 5+EXC: DEM+EXU: 05000: FRF+ERT: F300588+  
ACA: 200000: A1V:: FRF+ACA: 200: U6N:: DEM+ACA: 10000: U6T:: DEM+IDC: 510000: DEM'

Trailer Segment - UNT

## MESSAGE TRANSLATION

## Header Segment - UNH

## Level 0 Segment

IAH Segment Code

TEI	DATA VALUE
-----	------------

COC	SX1	Command Code
-----	-----	--------------

INR	MBB1234600	Invoice Number
-----	------------	----------------

IDT	010788	Invoice Date
-----	--------	--------------

ISU	C0419:*GY	Invoice Sender/User (Nation) Code
-----	-----------	-----------------------------------

ITU	00DCZ:*GY	Invoice To/User (Nation) Code
-----	-----------	-------------------------------

ICA	D	Invoice Category for Adjustment Invoice

INT	1	Invoice Type "Preliminary"
-----	---	----------------------------

CUR DEM Currency Code for Deutsche Mark

IGV	510000	Invoice Total Value Nett
-----	--------	--------------------------

ITL	561000	Invoice Total Value Gross
-----	--------	---------------------------

TAC	001	Tax Code, Value Added Tax applies
-----	-----	-----------------------------------

TPR            1000            Tax Percentage Rate = 10 %

ITX	51000	Invoice Total Tax Value
-----	-------	-------------------------

DPY	010888	Payment Date
-----	--------	--------------

## Level 1 Segment

IJS Segment Code

TEI	DATA VALUE
-----	------------

SLK	1:C:2	Segment Level Key (obtained from original invoice) 1 is the Segment Level C is the Originator 2 is the Segment Sequence Number
-----	-------	---



## SPECIFICATION 2000M

### TEI DATA VALUE

OIN	MBB1234567	Original Invoice Number
OID	010688	Original Invoice Date
IPO	BWBFURLF00102	Order Number
IOV	510000	Invoice Order Line Value Nett

### Level 2 Segment

ILS Segment Code

### TEI DATA VALUE

SLK 2:C:7 Segment Level Key (obtained from original invoice)  
2 is the Segment Level  
C is the Originator  
7 is the Segment Sequence Number

DIU 000133:C0419:\*GY Delivery and Inspection Note Number/Originator /  
User (Nation) Code

QTY 5 Quantity

EXC DEM Exchange Currency Code

EXU 05000:FRF Exchange Rate/Currency Code

ERT F300588 Exchange Rate Type of Frankfurt Stock Exchange  
on 30th May 1988

ACA 200000:A1V::FRF Adjustable Cost/Adjustable Cost Code/Adjustable  
Cost Description and Currency Code (Adjustable  
Cost Description omitted)  
(A1V identifies that the Unit Price is adjusted)

ACA 200:U6N::DEM Adjustable Cost/Adjustable Cost Code/Adjustable  
Cost Description and Currency Code (Adjustable  
Cost Description omitted)

ACA 10000:U6T::DEM Adjustable Cost/Adjustable Cost Code/Adjustable  
Cost Description and Currency Code (Adjustable  
Cost Description omitted)

IDC 510000:DEM Invoice Delivery Line Value Nett/Currency Code

Trailer Segment - UNT

**1.5 Invoice Category D (Adjustment Invoice), Invoice Type "Final"**

After Fix Price Agreement for a handling charge percentage rate of 1.7 percent a credit note is sent for the difference to the previously invoiced handling charge of 2.0 percent. The balance for the first original invoice amounts to DM 150.- (10,000.- x 5 x 0.02 - 10,000.- x 5 x 0.017 = 150.-) (see example 1.1, first order line).

The balance for the second original invoice amounts to DM 15.- (1,000.- x 5 x 0.02 - 1,000.- x 5 x 0.017 = 15.-) (see example 1.4).

This SX1 transaction is transmitted for validation purposes only. The credit note will, after acceptance, be included in a Summary Claim Submission (SW1) and will reduce the Total Amount of the Summary Claim.

**MESSAGE CONSTRUCTION**

Header Segment - UNH

**Level 0 Segment**

IAH+COC: SX1+INR: MBB1235000+IDT: 010988+ISU: C0419:\*GY+ITU: 00DCZ:\*GY+ICA: D+INT: 2+CUR: DEM+IGV: -16500+ITL: -18150+TAC: 001+TPR: 1000+ITX: -1650'

**1. Level 1 Segment**

IJS+SLK: 1:C: 1+OIN: MBB1234567+OID: 010688+IPO: BWBFURLF00101+IOV: -15000'

**Level 2 Segment**

ILS+SLK: 2:C: 12+DIU: 000132:C0419:\*GY+ACA: 170:U6P::DEM+ACA: -15000:U6V::DEM+IDC: -15000:DEM'

**2. Level 1 Segment**

IJS+SLK: 1:C: 2+OIN: MBB12346000+OID: 010788+IPO: BWBFURLF00102+IOV: -1500'

**Level 2 Segment**

ILS+SLK: 2:C: 7+DIU: 000133:C0419:\*GY+ACA: 170:U6P::DEM+ACA: -15000:U6V::DEM+IDC: -1500:DEM'

Trailer Segment - UNT

## SPECIFICATION 2000M

### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

IAH            Segment Code

**TEI            DATA VALUE**

COC           SX1            Command Code

INR           MBB1235000           Invoice Number

IDT           010988           Invoice Date

ISU           C0419:\*GY           Invoice Sender/User (Nation) Code

ITU           00DCZ:\*GY           Invoice To/User (Nation) Code

ICA           D           Invoice Category for Adjustment Invoice

INT           2           Invoice Type, "Final"

CUR           DEM           Currency Code for Deutsche Mark

IGV           -16500           Invoice Total Value Nett (Credit)

ITL           -18150           Invoice Total Value Gross (Credit)

TAC           001           Tax Code that Value Added Tax Applies

TPR           1000           Tax Percentage Rate =10 %

ITX           -1650           Invoice Total Tax Value (Credit)

#### 1. Level 1 Segment

IJS           Segment Code

**TEI            DATA VALUE**

SLK           1:C:1           Segment Level Key (obtained from original invoice)  
1 is the Segment Level  
C is the Originator  
1 is the Segment Sequence Number

**TEI            DATE VALUE**

OIN	MBB1234567	Original Invoice Number
OID	010688	Original Invoice Date
IPO	BWBFURLF00101	Order Number
IOV	-15000	Invoice Order Line Value Nett (Credit)

**Level 2 Segment**

ILS            Segment Code

**TEI            DATA VALUE**

SLK	2:C:12	Segment Level Key (obtained from original invoice) 2 is the Segment Level C is the Originator 12 is the Segment Sequence Number
DIU	000132:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
ACA	170:U6P::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Adjustable Cost Description omitted)
ACA	-15000:U6V::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Credit) (Adjustable Cost Description omitted) (Credit)
IDC	-15000:DEM	Invoice Delivery Line Value Nett/Currency Code (Credit)

**2. Level 1 Segment**

IJS            Segment Code

**TEI            DATA VALUE**

SLK	1:C:2	Segment Level Key (obtained from original invoice) 1 is the Segment Level C is the Originator 2 is the Segment Sequence Number
OIN	MBB12346000	Original Invoice Number

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

OID	010788	Original Invoice Date
IPO	BWBFURLF00102	Order Number
IOV	-1500	Invoice Order Line Value Nett (Credit)

### Level 2 Segment

ILS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:C:7	Segment Level Key (obtained from original invoice) 2 is the Segment Level C is the Originator 7 is the Segment Sequence Number
DIU	000133:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
ACA	170:U6P::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Adjustable Cost Description omitted)
ACA	-1500:U6V::DEM	Adjustable Cost/Adjustable Cost Code/Adjustable Cost Description and Currency Code (Credit) (Adjustable Cost Description omitted)
IDC	-1500:DEM	Invoice Delivery Line Value Nett/Currency Code (Credit)

Trailer Segment - UNT

**1.6 Invoice Category E (Invoice Prior to Delivery)**

For an order placed by a Customer (BWB) under Payment Terms "Payment by Letter of Credit" on behalf of a foreign Nation (Code:M3137:\*MX) the Contractor (MBB) presents a hardcopy of SX1 invoice data to the bank before delivery is made. The planned delivery will comprise 5 items with a Unit Price of DM 7,000,000.-. Since delivery will be to a foreign country Value Added Tax applies at 0 percent.

**MESSAGE CONSTRUCTION**

Header Segment - UNH

**Level 0 Segment**

IAH+COC: SX1+INR: MBBLOC1234+IDT: 150888+ISU: CO419:\*GY+ITU: 00DCZ:\*GY+ICA: E+INT: 2+CUR: DEM+CUU: 00DCZ:\*GY+COU: C0419:\*GY+STU: M3137:\*MX+IGV: 3500000000+ITL: 3500000000+TAC: 001+TPR: 0000+ITX: 0+DPY: 270888+CBU: 60056090: 5007600:\*GY'+REM: FOR INFORMATION ONLY - INVOICE NOT TO BE PAYED'

**Level 1 Segment**

IJS+SLK: 1:C: 1+IPO: BWBFURLF00111+ORU: AEXM1234: M3137:\*MX+IOV: 3500000000'

**Level 2 Segment**

ILS+SLK: 2:C: 1+NSN: 2844: 456829223+QTY: 5+UPR: 7000000000'

Segment Trailer - UNT

**MESSAGE TRANSLATION**

Header Segment - UNH

**Level 0 Segment**

IAH	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
COC	SX1	Command Code
INR	MBBLOC1234	Invoice Number
IDT	150888	Invoice Date
ISU	C0419:*GY	Invoice Sender/User (Nation) Code

## SPECIFICATION 2000M

TEI	DATA VALUE	
ITU	00DCZ:*GY	Invoice To/User (Nation) Code
ICA	E	Invoice Category for Invoice Prior To Delivery
INT	2	Invoice Type "Final"
CUR	DEM	Currency Code for Deutsche Mark
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
STU	M3137:*MX	Sold To/User (Nation) Code
IGV	3500000000	Invoice Total Value Nett
ITL	3500000000	Invoice Total Value Gross
TAC	001	Tax Code, Value Added Tax Applies
TPR	0000	Tax Percentage Rate = 0 %
ITX	0	Invoice Total Tax Value
DPY	270888	Payment Date
CBU	60056090: 5007600:*GY	Contractor's Bank Code/Contractor's Account Number/User (Nation) Code
REM		Remarks

### Level 1 Segment

IJS	Segment Code	
TEI	DATA VALUE	
SLK	1:C:1	Segment Level Key 1 is the Segment Level C is the Originator 1 is the Segment Sequence Number
IPO	BWBFURLF0011	Order Number
ORU	AEXM1234: M3137:*MX	Originator Reference Number/ Originator/User (Nation) Code
IOV	3500000000	Invoice Order Line Value Nett

**Level 2 Segment**

ILS            Segment Code

**TEI            DATA VALUE**

SLK            2:C:1            Segment Level Key  
   2 is the Segment Level  
   C is the Originator  
   1 is the Segment Sequence Number

NSN            2844:456829223            NATO Stock Number

QTY            5            Quantity

UPR            700000000            Unit Price

Trailer Segment - UNT



## SPECIFICATION 2000M

### 2. INVOICE ACCEPTANCE: SX2 TRANSACTION

A Customer (BWB) accepts an invoice of the Contractor (MBB) by means of an SX2 transaction.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

##### Level 0 Segment

IBH+COC: SX2+INR: MBB1234567+IDT: 010688+ISU: C0419:\*GY'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

##### Level 0 Segment

IBH            Segment Code

**TEI            DATA VALUE**

COC           SX2                    Command Code

INR           MBB1234567           Invoice Number

IDT           010688                Invoice Date

ISU           C0419:\*GY                Invoice Sender/User (Nation) Code

Trailer Segment - UNT

### 3. INVOICE REJECTION: SX3 TRANSACTION

A Customer (BWB) having received an SX1 transaction from the Contractor (MBB) rejects the invoice by means of an SX3 transaction and indicates the order/delivery line and the data units which are in dispute, i.e. the Invoice Order Line Value Nett and the Unit Price and reflects the content of the Customer's data value.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

##### Level 0 Segment

ICH+COC: SX3+INR: MBB1234567+IDT: 010688+ISU: C0419:\*GY+ITU: 00DCZ:\*GY'

##### Level 1 Segment

ICS+SLK: 1:C: 1+IPO: BWBFURLF00101+TEI: IOV: 37200000'

##### Level 2 Segment

IES+SLK: 2:C: 12+DIU: 000132: C0419:\*GY+TEI: UPR: 12400000'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

##### Level 0 Segment

ICH            Segment Code

**TEI            DATA VALUE**

COC            SX3                            Command Code

INR            MBB1234567                    Invoice Number

IDT            010688                            Invoice Date

ISU            C0419:\*GY                        Invoice Sender/User (Nation) Code

ITU            00DCZ:\*GY                        Invoice To/User (Nation) Code

##### Level 1 Segment

ICS            Segment Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

SLK	1:C:1	Segment Level Key 1 is the Segment Level C is the Contractor/Customer Indicator 1 is the Segment Sequence Number
-----	-------	---

IPO	BWBFURLF00101	Order Number
-----	---------------	--------------

TEI	IOV:37200000	Customer's data value for the Invoice Order Line Value Nett
-----	--------------	---

### Level 2 Segment

IES	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	2:C:12	Segment Level Key 2 is the Segment Level C is the Contractor/Customer Indicator 1 is the Segment Sequence Number
-----	--------	---

DIU	000132:C0419:*GY	Delivery and Inspection Note Number/Originator/ User (Nation) Code
-----	------------------	---

TEI	UPR:12400000	Customer's data value for the Unit Price
-----	--------------	--

Trailer Segment - UNT

#### 4. SUMMARY CLAIM: SW1 TRANSACTION

A Contractor (MBB) having received the SX2 acceptance transactions for three SX1 transactions or after a contractually agreed acceptance time period presents to a Customer (BWB) by means of an SW1 transaction the summary claim for payment for the total invoice amounts of the three SX1 transactions. The first Original Invoice Total Value Nett amounted to DM 80,000,- the second to DM 10,000,- and the third to DM 4,000.-.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

##### Level 0 Segment

IDH+COC:SW1+INR:MBB1234000+IDT:101188+ISU:C0419:\*GY+ITU:00DCZ:\*GY+CUU:00DCZ:\*GY+COU:C0419:\*GY+CUR:DEM+PYT:N30D+DPY:101288+IGV:9400000+ITL:10340000+TAC:001+TPR:1000+ITX:940000+PCN:7001183'

##### 1. Level 1 Segment

IDS+OIN:MBB1233596+OID:021188+OGG:8800000+OGV:8000000+TTV:800000'

##### 2. Level 1 Segment

IDS+OIN:MBB1233597+OID:021188+OGG:1100000+OGV:1000000+TTV:100000'

##### 3. Level 1 Segment

IDS+OIN:MBB1233599+OID:031188+OGG:440000+OGV:400000+TTV:40000'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

##### Level 0 Segment

IDH	Segment Code	
TEI	DATA VALUE	
COC	SW1	Command Code
INR	MBB1234000	Invoice Number

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

IDT	101188	Invoice Date
ISU	C0419:*GY	Invoice Sender/User (Nation) Code
ITU	00DCZ:*GY	Invoice To/User (Nation) Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
CUR	DEM	Currency Code for Deutsche Mark
PYT	N30D	Payment Terms
DPY	101288	Payment Date
IGV	9400000	Invoice Total Value Nett
ITL	10340000	Invoice Total Value Gross
TAC	001	Tax Code, Value Added Tax applies
TPR	1000	Tax Percentage Rate = 10 %
ITX	940000	Invoice Total Tax Value
PCN	7001183	Prime Contract Number

### 1. Level 1 Segment

IDS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

OIN	MBB1233596	Original Invoice Number
OID	021188	Original Invoice Date
OGG	8800000	Original Invoice Total Value Gross
OGV	8000000	Original Invoice Total Value Nett
TTV	800000	Original Invoice Total Tax Value

**2. Level 1 Segment**

IDS	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
OIN	MBB1233597	Original Invoice Number
OID	021188	Original Invoice Date
OGG	1100000	Original Invoice Total Value Gross
OGV	1000000	Original Invoice Total Value Nett
TTV	100000	Original Invoice Total Tax Value

**3. Level 1 Segment**

IDS	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
OIN	MBB1233599	Original Invoice Number
OID	031188	Original Invoice Date
OGG	440000	Original Invoice Total Value Gross
OGV	400000	Original Invoice Total Value Nett
TTV	40000	Original Invoice Total Tax Value

Trailer Segment - UNT

## SPECIFICATION 2000M

### 5. SUMMARY CLAIM ACCEPTANCE: SW2 TRANSACTION

A Customer (BWB) accepts a summary claim of a Contractor (MBB) by means of an SW2 transaction.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

##### Level 0 Segment

IEH+COC:SW2+INR:MBB1234000+IDT:101188+ISU:C0419:\*GY+ITU:00DCZ:\*GY+CUU:00DCZ:\*GY+COU:C0419:\*GY'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

##### Level 0 Segment

IEH            Segment Code

##### TEI            DATA VALUE

COC           SW2                    Command Code

INR           MBB1234000           Invoice Number

IDT           101188                Invoice Date

ISU           C0419:\*GY                Invoice Sender/User (Nation) Code

ITU           00DCZ:\*GY                Invoice To/User (Nation) Code

Trailer Segment - UNT

CUU           00DCZ:\*GY                Customer/User (Nation) Code

COU           C0419:\*GY                Contractor/User (Nation) Code

## 6. SUMMARY CLAIM REJECTION: SW3 TRANSACTION

A Customer (BWB) rejects a summary claim of a Contractor (MBB) using the SW3 transaction by indicating two errors.

The first reason for rejection is an incorrect Original Invoice Total Value Nett. The Customer's data value of the Original Invoice Total Value Nett amounts to DM 78,000.-.

The second reason for rejection shown is that the Original Invoice Number quoted in the Summary Claim Submission is unknown.

### MESSAGE CONSTRUCTION

Header Segment - UNH

#### Level 0 Segment

IFH+COC:SW3+INR:MBB1234000+IDT:101188+ISU:C0419:\*GY+ITU:00DCZ:\*GY+CUU:00DCZ:\*GY+COU:C0419:\*GY+TEI:IGV:+TEI:ITL:+TEI:ITX:'

#### 1. Level 1 Segment

IFS+OIN:MBB1233596+OID:021188+TEI:OGV:7800000'

#### 2. Level 1 Segment

IFS+OIN:MBB1233597+OID:021188+TEI:OIN:'

Trailer Segment - UNT

### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

IFH	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
COC	SW3	Command Code
INR	MBB1234000	Invoice Number
IDT	101188	Invoice Date



## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

ISU	C0419:*GY	Invoice Sender/User (Nation) Code
ITU	00DCZ:*GY	Invoice To/User (Nation) Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	C0419:*GY	Contractor/User (Nation) Code
TEI	IGV:	is the indication that the Customer has no value available for this TEI
TEI	ITL:	is the indication that the Customer has no value available for this TEI
TEI	ITX:	is the indication that the Customer has no value available for this TEI

### 1. Level 1 Segment

IFS	Segment Code	
TEI	DATA VALUE	
OIN	MBB1233596	Original Invoice Number which contains an incorrect value
OID	021188	Original Invoice Date
TEI	OGV:7800000	Customer's data value for the Original Invoice Total Value Nett

### 2. Level 1 Segment

IFS	Segment Code	
TEI	DATA VALUE	
OIN	MBB1233597	Original Invoice Number
OID	021188	Original Invoice Date
TEI	OIN:	indicates that the Original Invoice Number is not recognized by the Customer

Trailer Segment - UNT

**7. PAYMENT STATUS INQUIRY: SY1 TRANSACTION**

A Contractor (MBB) sends to a Customer (BWB) an inquiry on the payment status of an invoice which was due for payment on 10th August 1988 by using an SY1 transaction.

**MESSAGE CONSTRUCTION**

Header Segment - UNH

**Level 0 Segment**

IGH+COC:SY1+INR:MBB12349010+IDT:100788+ISU:C0419:\*GY+ITU:00DCZ:\*GY+DPY:100888'

Trailer Segment - UNT

**MESSAGE TRANSLATION**

Header Segment - UNH

**Level 0 Segment**

TEI	DATA VALUE	
COC	SY1	Command Code
INR	MBB12349010	Invoice Number
IDT	100788	Invoice Date
ISU	C0419:*GY	Invoice Sender/User (Nation) Code
ITU	00DCZ:*GY	Invoice To/User (Nation) Code
DPY	100888	Payment Date

Trailer Segment - UNT

## SPECIFICATION 2000M

### 8. PAYMENT STATUS RESPONSE: SY2 TRANSACTION

A Customer (BWB) answers the payment status inquiry of a Contractor (MBB) by means of an SY2 transaction indicating that the payment will be made on 20th August 1988.

#### MESSAGE CONSTRUCTION

Header Segment - UNH

##### Level 0 Segment

IHH+COC:SY2+INR:MBB12349010+IDT:100788+ISU:C0419:\*GY+DPY:200888+SAC:  
1F+REM:MILESTONE ACHIEVEMENT REPORT WAS ONLY RECEIVED ON  
15TH AUGUST 88.'

Trailer Segment - UNT

#### MESSAGE TRANSLATION

Header Segment - UNH

##### Level 0 Segment

IHH            Segment Code

**TEI            DATA VALUE**

COC            SY2                    Command Code

INR            MBB12349010            Invoice Number

IDT            100788                  Invoice Date

ISU            C0419:\*GY              Invoice Sender/User (Nation) Code

DPY            200888                  Payment Date

SAC            1F                        Status/Advice Code "See Remarks"

REM                            Remark

Trailer Segment - UNT

## 9. PAYMENT STATUS ADVICE: SY4 TRANSACTION

A Customer (BWB) advises the Contractor (MBB) of the dates when payments of two invoices have been made using the SY4 transaction. This payment status advice is an unsolicited transaction which may have been contractually agreed.

### MESSAGE CONSTRUCTION

Header Segment - UNH

#### Level 0 Segment

ILH+COC:SY4+ISU:C0419:\*GY+ITU:00DCZ:\*GY+PAN:1'

#### 1. Level 1 Segment

IMS+SLK:1:C:1+DPY:260788'

#### Level 2 Segment

INS+INR:MBB12345990+IDT:200688'

#### 2. Level 1 Segment

IMS+SLK:1:C:2+DPY:270788'

#### Level 2 Segment

INS+INR:MBB12345998+IDT:210688'

Trailer Segment - UNT

### MESSAGE TRANSLATION

Header Segment - UNH

#### Level 0 Segment

ILH            Segment Code

TEI            DATA VALUE

COC           SY4                            Command Code

ISU            C0419:\*GY                    Invoice Sender/User (Nation) Code

## SPECIFICATION 2000M

TEI	DATA VALUE
-----	------------

ITU	00DCZ:*GY	Invoice To/User (Nation) Code
-----	-----------	-------------------------------

PAN	1	Payment Status Advice Number
-----	---	------------------------------

### 1. Level 1 Segment

IMS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:C:1	Segment Level Key 1 is the Segment Level C is the Originator 1 is the Segment Sequence Number
-----	-------	--

DPY	260788	Payment Date
-----	--------	--------------

### Level 2 Segment

INS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

INR	MBB12345990	Invoice Number
-----	-------------	----------------

IDT	200688	Invoice Date
-----	--------	--------------

### 2. Level 1 Segment

IMS	Segment Code
-----	--------------

TEI	DATA VALUE
-----	------------

SLK	1:C:2	Segment Level Key 1 is the Segment Level C is the Originator 2 is the Segment Sequence Number
-----	-------	--

DPY	270788	Payment Date
-----	--------	--------------

**Level 2 Segment**

INS	Segment Code	
<b>TEI</b>	<b>DATA VALUE</b>	
INR	MBB12345998	Invoice Number
IDT	210688	Invoice Date
Trailer Segment - UNT		

## SPECIFICATION 2000M

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## CHAPTER 5 - CONSUMPTION DATA EXCHANGE

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**CONSUMPTION DATA EXCHANGE - GENERAL**  
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## **SPECIFICATION 2000M**

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## **CONSUMPTION DATA EXCHANGE - GENERAL**

### **1. PURPOSE**

This operating procedure establishes standards for the collection and transmission of spares consumption data, and for the transmission of repair arising forecast information.

### **2. PRINCIPLES**

The performance of Repair and Overhaul activities generally implies the consumption of spare parts. These spare parts are either provided from the Repair Contractors' own resources or are prefunded by the National Forces/International Agencies and stocked at the premises of the Repair Contractors.

The processing of spares consumption and repair arising forecast information will enable the recipient

- to provision for future parts requirements and to adequately plan the anticipated workloads to support Repair Turn Round Targets
- to allow for financial harmonization within an International Support Organization
- to identify items which justify further investigation
- plan for the transfer of repair activity from a contractor to a customer and vice versa.

#### **2.1 Customer Funded Spare Parts**

When the spare parts are prefunded by the Customer (National Forces/International Agencies), spares consumption data will be provided by the Repair Contractor to the Customer for the purpose of provisioning.

#### **2.2 Contractor Funded Spare Parts**

Where the spare parts are provisioned by the manufacturer or Repair Contractor at his risk for subsequent invoicing when consumed, consumption information is required from third line maintenance and other repair agencies, to add to his own consumption figures. Whilst it is very likely that the contractor would have supplied the parts to the Customer at some time in the past, this will ensure that the Contractor has an accurate view of actual consumption.

There is also a need to include consumable and insurance items not directly related to repairs in the data transferred.

In addition, spare parts ordering forecasts are required to ensure that the Contractor has adequate and accurate data to allow advance provisioning action.

## **SPECIFICATION 2000M**

Spare parts order forecasts are to be calculated by the supplier of the data based upon repair arising forecasts and past consumption rates.

The Contractor also requires repair arising forecasts for those items to be repaired by the Contractor.

### **2.3 Transmission of Spares Consumption Data**

Spares consumption data can be transmitted at regular intervals (e.g. quarterly) or upon specific requests. Specific requests can be by repair order number or within a date range.

If transmissions are required at regular intervals, then times and intervals can be mutually agreed. If specific requests for transmission are desired, then the Customer has to identify his requirement by means of a transaction.

### **2.4 Transmission of Repair Arising Data**

The Customers (National Forces/International Agencies) will provide repair arising forecasts to facilitate workshop planning and aid the provisioning process.

The frequency of transmissions will be subject to mutual agreement of whether the parts are Customer or Contractor funded.

Transmission is required irrespective of whether the parts are Customer or Contractor funded.

### **2.5 Messages**

The methods of requesting and transmitting Spares Consumption Data and Repair Arising Forecast Data normally imply the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, known as "transactions". They are detailed in Section 5-5.

### **2.6 Command Codes**

Individual transactions are clearly identified by means of Command Codes. The Command Codes prescribe the format of the message structure to follow and any supporting logic. Furthermore where subsequent action is required by the recipient this can easily be understood from the contents of each transaction.

The Command Codes and their interrelationship with transactions can be found in Section 5-5.

## **2.7 Data Units**

Individual Data Units are defined in the Data Dictionary. Guidance on the applicability of Data Units to particular transactions will be found in Section 5-5. Each transaction consists of a string of Data Units which may be either mandatory, conditional or optional depending upon the purpose for which the transaction has been designed. When a conditional Data Unit is appropriate and available to a specific transaction, then it should be transmitted.

## **2.8 Structuring of Messages**

There is a need for the Data Units in each transaction to be specially structured. Details can be found in Section 5-5.

## **2.9 Acknowledgement of Messages**

Messages (transactions) exchanged in commercial business generally require an acknowledgement (confirmation) of receipt. For the exchange of data and information, one or more messages forming an Interchange will be sent.

### **Interchange level**

The Interchange will be acknowledged and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Message level**

At message level an acknowledgement will be generated and error conditions notified by applying the regulations described in Appendix 2, Annex F.

### **Data Element Level**

At data element level the User's application programs have to cope with any checks in regard to format, value and logical relationship.

The clarification of any errors found can be achieved by use of ERRNLT Message, by exchanging free text information (using the special free text message "FREETX") (see also Appendix 2, Annex F).

### **Error Conditions**

To comply with the rules of minimum data transmission following the receipt of an ERRNLT or CONTRL message, the original Key Data plus relevant CHANGE CODE plus the corrected Segment or Data Unit only need to be transmitted. (see also Appendix 2, Annex F, para. 5.5 for full explanation).

Note - the CHANGE CODE is not always specified in the Message Description Sheets.

Rules for the use of CHANGE CODE can be found in Appendix 2, Section 3, para 4.4.

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**CONSUMPTION DATA TRANSMISSION**  
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## **SPECIFICATION 2000M**

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## **1. TRANSACTIONS**

### **1.1 Customer Funded Spare Parts**

#### **1.1.1 Consumption Data Transmission Request - SZ1 -**

This transaction is used by a Customer to request a Consumption Data Transmission from a Contractor.

Each request is specified by a Consumption Data Request Number.

The Customer in his request can either identify specific orders which are already completed against which Consumption Data shall be transmitted or alternatively can specify a Consumption Period. In that case, Consumption Data of all orders which were completed in that period shall be transmitted. He cannot specify both selection criteria.

The Consumption Period is identified by a Period Start Date and a Period End Date.

#### **1.1.2 Consumption Data Transmission - SZ2 -**

This transaction is used by the Contractor to transmit Consumption Data to the Customer.

It is the response of the Contractor to the Request Message (SZ1). The link between the Request Message (SZ1) and the Transmission Message (SZ2) is the Consumption Data Request Number.

This transaction is a three level transaction.

The Level 0 Header Segment EAH identifies the Customer and Contractor.

The Level 1 Segment EAS identifies the consumed items and includes associated data concerning the consumed items.

The Level 2 Segment ECS identifies the reason for consumption (i.e. Repair/Overhaul) - if applicable - and includes associated data of the repaired item.

If a Contractor rejects a Request for Consumption Data Transmission (SZ1), he will identify this by use of a specific Status/Advice Code in his SZ2 transaction, giving reasons for rejection in REMARKS.

### **1.2 Contractor Funded Spare Parts**

#### **1.2.1 Consumption Data Transmission Request - SZ3 -**

This transaction is used by a Contractor to request a Consumption Data Transmission from a Customer.

## SPECIFICATION 2000M

Each request is specified by a Consumption Data Request Number.

The Contractor, in his request, can either identify specific orders which are already completed against which Consumption Data shall be transmitted or, alternatively, can specify a Consumption Period. In the latter case, Consumption Data of all orders which were completed in that period shall be transmitted. He cannot specify both selection criteria.

The Consumption Period is identified by a Period Start Date and a Period End Date.

If the Contractor also applies for the transmission of order forecasting data from the Customer or Repair Subcontractor, this has to be identified by a specific Status/Advice Code. If applicable, order forecasting requirements shall be agreed between Customer and Contractor at the start of a project.

### 1.2.2 Consumption Data Transmission - SZ4 -

This transaction is used by a Customer to transmit Consumption and Order Forecasting Data to a Contractor.

It is the response to the Request Message (SZ3).

The link between the Request Message (SZ3) and the Transmission Message (SZ4) is the Consumption Data Request Number.

This transaction is a three level transaction.

The Level 0 Header Segment EAH identifies the originator of the request (Contractor) and the supplier of the data (Customer).

The Level 1 Segment EAS identifies the consumed items and includes associated data concerning the consumed item. If spares consumption is not associated with a repair, e.g. bulk issues, end items, insurance items, the transmission of the Level 2 Segment is not required.

The Level 2 Segment ECS identifies the reason for consumption (i.e. Repair/Overhaul) - if applicable - and includes associated data of the repaired item.

Order Forecasting Data is provided by the use of the data unit Periodic Order Forecast. This composite data element identifies the Period Start Date, the Period End Date and the relevant Quantity.

If the recipient of an SZ3 Request for Consumption Data Transmission rejects this request, he will identify this by use of a specific Status/Advice Code in his SZ4 transaction giving the reasons for the rejection in Remarks.

SECTION 5-3

REPAIR ARISING DATA TRANSMISSION

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1.1 Repair Arising Data Transmission - SZ5 - .....	3

## **SPECIFICATION 2000M**

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## **1. TRANSACTIONS**

### **1.1 Repair Arising Data Transmission - SZ5 -**

This transaction is used by the Customer to notify the Contractor of Forecast Repair Arisings.

Each transmission is specified by a Repair Arising Transmission Number.

The Level 0 Header Segment EBH identifies the Customer and the Contractor.

The Level 1 Segment EBS identifies the repairable item against which arisings are predicted, latest standard or group number.

This segment also includes the Periodic Arising Forecast. This composite data element identifies the Period Start Date, the Period End Date and the relevant Quantity.

The definition of the relevant periods and the number of periods to be transmitted are project specific.

Where parts are identified by a group name or alternative standard (Level 1 item), but are required to be reported collectively, then the Level 2 Segment EDS will identify the constituent items of the Level 1 (EBS) group.

## **SPECIFICATION 2000M**

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**SECTION 5-4**

**FLOW CHARTS**

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2. CONTRACTOR FUNDED SPARE PARTS .....	6
3. TRANSMISSION OF REPAIR ARISING DATA .....	7



**SPECIFICATION 2000M**

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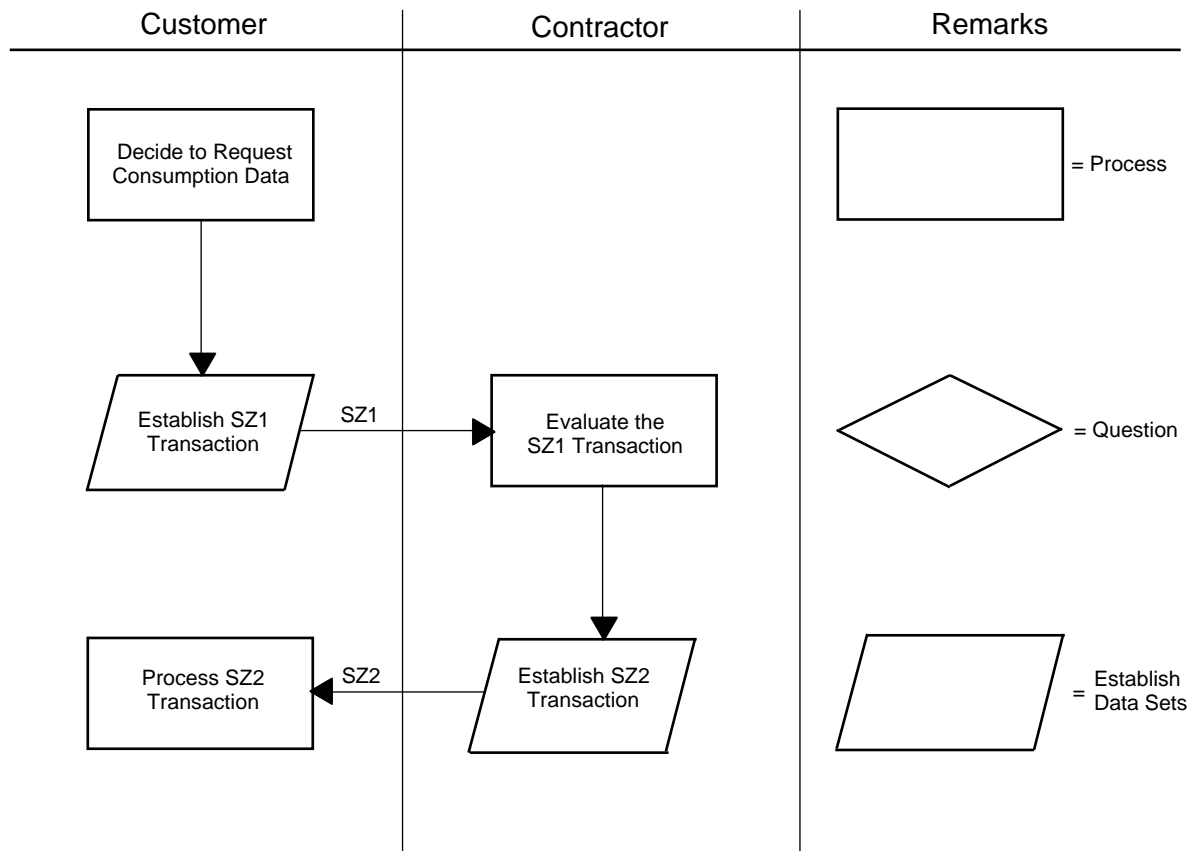
**NOTE**

The following Flow Charts are to give only a general outline on the sequence of events relevant to the activities within Consumption Data Exchange.

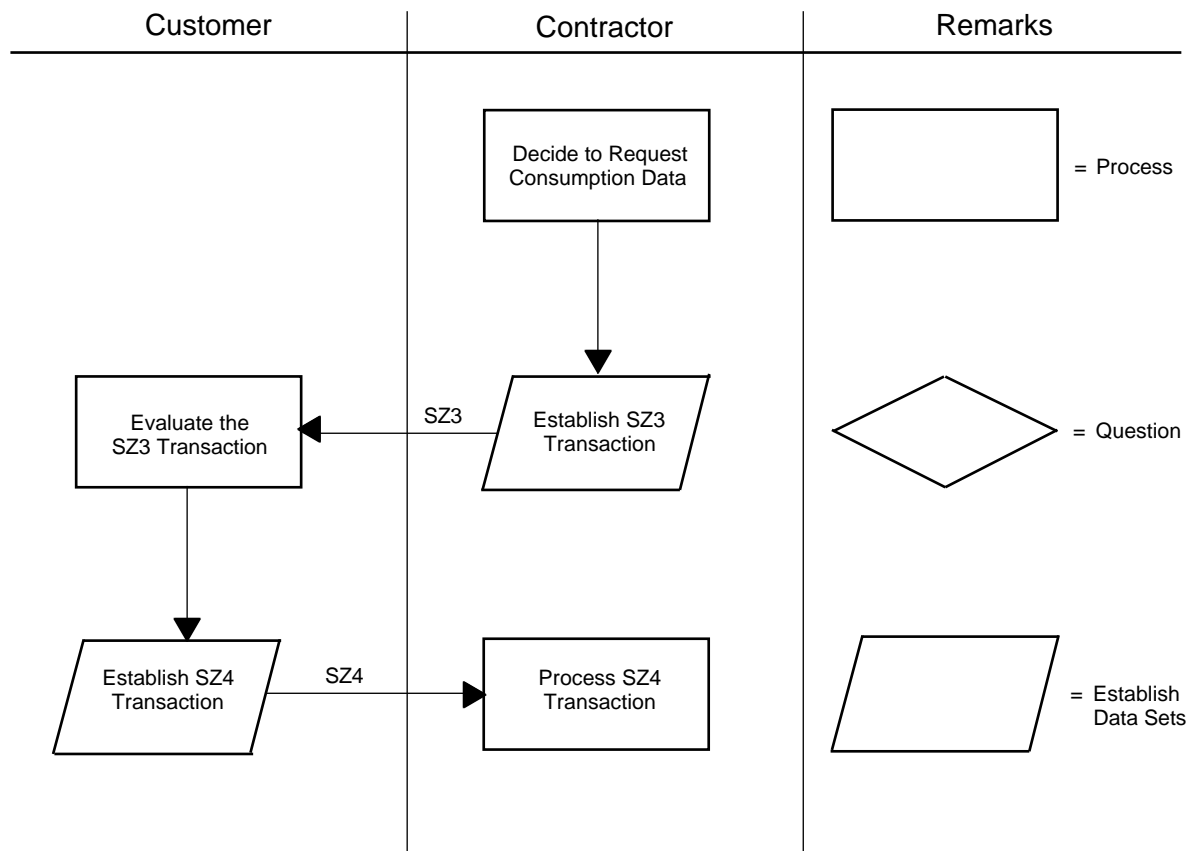
They are not to substitute for the written paragraphs preceding this section.

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# 1. CUSTOMER FUNDED SPARE PARTS



## 2. CONTRACTOR FUNDED SPARE PARTS



**3. TRANSMISSION OF REPAIR ARISING DATA**

This transaction has not been flow charted.

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## SECTION 5-5

### TRANSACTIONS / COMMAND CODES / DATA ELEMENT MATRICES

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## **TRANSACTIONS / COMMAND CODES / DATA ELEMENT MATRICES**

### **1. PURPOSE**

The procedures for the transmission of data are described in Appendix A2, Communication Techniques.

This section indicates the structure and the segmentation of all transactions for Consumption Data Exchange as well as the data units belonging to each transaction.

For ease of understanding this section is presented as follows:

Para. 2: Transactions and Command Codes

Para. 3: Data Element Incidence Matrix

Para. 4: Message Structures

Para. 5: Branching Diagrams

### **2. TRANSACTIONS AND COMMAND CODES**

#### **2.1 Purpose**

This paragraph defines the interrelationship between command codes and transactions.

##### **Transactions**

The transmission of consumption data normally implies the frequent exchange of information between Customer and Contractor. This is achieved by transmitting standardized messages, the transactions.

##### **Command Codes**

Individual transactions are clearly identified by means of Command Codes.

The relationship between transactions and Command Codes is outlined in paragraph 2.2.

## SPECIFICATION 2000M

### 2.2 Transactions and Command Codes

		Acceptance	Rejection	Response
Customer Funded Spares Consumption Data Transmission Request/Response	SZ1 →	not used	indicated by use of a Status Advice Code in SZ2	← SZ2
Contractor Funded Consumption Data Transmission Request/Response	← SZ3	not used	indicated by use of a Status Advice Code in SZ4	SZ4 →
Repair Arising Data Transmission	SZ5 →			

Customer to Contractor →

Contractor to Customer ←

**3. DATA ELEMENT INCIDENCE MATRIX**

MESSAGE IDENTIFYING COMMAND CODE		SZ1	SZ2	SZ3	SZ4	SZ5
TEI	DATA ELEMENT NAME					
APQ	AUTHORIZED POOL QUANTITY		X		X	
COC	COMMAND CODE	X	X	X	X	X
CDR	CONSUMPTION DATA REQUEST NUMBER	X	X	X	X	
CPD	CONSUMPTION PERIOD	X	X	X	X	
COU	CONTRACTOR/UNC	X	X	X	X	X
CUU	CUSTOMER/UNC	X	X	X	X	X
DEL	DELIVERY DATE		X		X	
DUI	DUES-IN		X		X	
DUO	DUES-OUT		X		X	
ECC	EVIDENCE CONTROL CODE	X	X	X	X	X
MOI	MODEL IDENTIFICATION	X	X	X	X	X
NSN	NATO STOCK NUMBER		X		X	X
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC		X		X	X
IPO	ORDER NUMBER	X	X	X	X	
PNR	PART NUMBER		X		X	X
PAF	PERIODIC ARISING FORECAST					X
POF	PERIODIC ORDER FORECAST				X	
PCN	PRIME CONTRACT NUMBER	X	X	X	X	X
QTY	QUANTITY		X		X	
QUI	QUANTITY PER UNIT OF ISSUE		X		X	
RCQ	RECOMMENDED ORDER QUANTITY		X		X	
REM	REMARKS	X	X	X	X	X
RAT	REPAIR ARISING TRANSMISSION NUMBER					X
RDU	REPAIR DUES-IN		X		X	
SRA	SCRAP RATE		X		X	
SER	SERIAL NUMBER		X		X	
SAC	STATUS/ADVICE CODE	X	X	X	X	X

## SPECIFICATION 2000M

[illegible]

## **4. MESSAGE STRUCTURES**

### **4.1 Purpose**

To describe the structure and format for Consumption Data Exchange.

### **4.2 Message Structure**

Generally for the exchange of data and information, each interchange consists of one or more messages to create, amend or delete data located within a data base.

A message consists of segments.

Each segment is related to a specific level. This relationship cannot be changed.

LEVEL 0: This is the highest level segment or portion of a total message. It relates those data units that from a business point of view should be grouped together. Being the highest level segment it correspondingly retains the highest level data units (e.g. Contractor, Customer, Consumption Data Request Number, Prime Contract Number).

LEVEL 1: This is the next subordinate segment to Level 0. The Level 1 segment retains information relating to a physical item/spare repairable item, typically holding such information as Part Number, NSN, Unit of Issue, etc. All Level 1 data relate totally to that contained in Level 0.

LEVEL 2: This is the next subordinate level to Level 1. The Level 2 segment contains variable data relating to the Level 1 data.

### **4.3 Segment Structure**

Within the Consumption Data Exchange process, all transactions consist of a number of segments at a maximum of three levels. The segments occur in logical sequence of levels, the first at Level 0, commonly referred to as the Header Segment.

Each segment comprises the segment code followed by the related Data Units (TEI: Data Element Value).

### **4.4 Rules for Use of Message Structures**

- All transactions must have a Level 0 segment; depending on the level of detail being provided, additional Levels 1 and 2 may be generated.
- A Level 2 segment may only be present if a corresponding Level 1 segment is present.

The Data Default Rule does not apply to Chapter 5.

## **SPECIFICATION 2000M**

### **4.5 Structure of Message Segments**

The structure of the segments and transactions is shown on the following pages. The following legend to identify certain abbreviations, codes and regulations is applicable.

#### **Legend:**

M = Mandatory

C = Conditional

O = Optional

/ = Indicates a repeating Data Unit. The number which follows the "/" indicates the number of times the Data Unit repeats within the segment.

### **4.6 Notes Used in Message Formats**

At present no notes are used.

**SPECIFICATION 2000M**
**MESSAGE IDENTIFIER:**
**SZ1: CONSUMPTION DATA TRANSMISSION REQUEST  
(CUSTOMER TO CONTRACTOR)**

MESSAGE SEGMENTS AND ESSENTIALITY						
SEGMENT LEVEL		M	0	1	2	
SEGMENT TAG		EAH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
CDR	CONSUMPTION DATA	M				KEY
	REQUEST NUMBER					
IPO	ORDER NUMBER	C/20			M if CPD not present	
CPD	CONSUMPTION PERIOD	C			M if IPO not present	
	Period Start Date	M				
	Period End Date	M				
SAC	STATUS/ADVICE CODE	O/20				
PCN	PRIME CONTRACT					
	NUMBER	C				Project Specific
SMB	SUPPLY MANAG. BRANCH	C				Project Specific
	INDICATOR					
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/ UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFICATION	C				Project Specific
ECC	EVIDENCE CONTROL CODE	C				Project Specific



**SPECIFICATION 2000M**  
**MESSAGE IDENTIFIER:**

**SZ2: CONSUMPTION DATA TRANSMISSION**  
**(CONTRACTOR TO CUSTOMER)**

	MESSAGE SEGMENTS AND ESSENTIALITY		Group 1 C/9999			
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	EAH	EAS	ECS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
CDR	CONSUMPTION DATA	M				KEY
	REQUEST NUMBER					
IPO	ORDER NUMBER	C/20		C	<u>In Segment Level 0</u>	<u>In Segment Level 2</u>
CPD	CONSUMPTION PERIOD	C			M if CPD not present	Project Specific
	Period Start Date	M			M if IPO not present	
	Period End Date	M				
MOI	MODEL IDENTIFICATION	C				Project Specific
ECC	EVIDENCE CONTROL CODE	C				Project Specific
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
PCN	PRIME CONTRACT					
	NUMBER	C				Project Specific
SMB	SUPPLY MANAG. BRANCH	C				Project Specific
	INDICATOR					
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/	O/20				
	UNC					
	Supplementary Address	M				
	User (Nation) Code	O				
PNR	PART NUMBER		C	C	M if NSN not present	KEY
MFU	NATO SUPPLY CODE FOR					
	MANUFACTURERS/UNC		C	C	M if PNR present	KEY
	NATO Supply Code for Manuf.		M	M		
	User (Nation) Code		O	O		
NSN	NATO STOCK NUMBER		C	C	M if PNR not present	KEY
	NATO Supply Class		M	M		
	NATO Item Identification Number		M	M		
QTY	QUANTITY		M	M	<u>In Segment Level 2</u>	
					will always be 1 if IPO is	
					specified in Level 2	
UOI	UNIT OF ISSUE		M	M		
APQ	AUTHORIZED POOL QTY		C			Project Specific
SBA	STOCK BALANCE		C			Project Specific
DUI	DUES-IN		C			Project Specific
DUO	DUES-OUT		C			Project Specific
HOF	100-OFF FIGURE		C			Project Specific
RCQ	RECOMMENDED ORDER OTY		C			Project Specific
SRA	SCRAP RATE		C			Project Specific
UOM	UNIT OF MEASURE		C		M if UOI non definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non definitive	
RDU	REPAIR DUES-IN		C			Project Specific
SER	SERIAL NUMBER			C		Project Specific
DEL	DELIVERY DATE			C		Project Specific

MESSAGE IDENTIFIER:

**SZ3: CONSUMPTION DATA TRANSMISSION REQUEST  
(CONTRACTOR TO CUSTOMER)**

MESSAGE SEGMENTS AND ESSENTIALITY						
SEGMENT LEVEL		M	0	1	2	
SEGMENT TAG		EAH				
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
CDR	CONSUMPTION DATA REQUEST NUMBER	M				KEY
IPO	ORDER NUMBER	C/20			M if CPD not present	
CPD	CONSUMPTION PERIOD	C			M if IPO not present	
	Period Start Date	M				
	Period End Date	M				
SAC	STATUS/ADVICE CODE	O/20				
PCN	PRIME CONTRACT NUMBER	C				Project Specific
SMB	SUPPLY MANAG. BRANCH INDICATOR	C				Project Specific
REM	REMARKS	O/20				
SAU	SUPPLEMENTARY ADDRESS/ UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
MOI	MODEL IDENTIFICATION	C				Project Specific
ECC	EVIDENCE CONTROL CODE	C				Project Specific

**SPECIFICATION 2000M**  
**MESSAGE IDENTIFIER:**

**SZ4: CONSUMPTION DATA TRANSMISSION**  
**(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY		Group 1 C/9999			
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	EAH	EAS	ECS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				KEY
	Contractor	M				
	User (Nation) Code	O				
CDR	CONSUMPTION DATA	M				KEY
	REQUEST NUMBER					
IPO	ORDER NUMBER	C/20		C	<u>In Segment Level 2</u>	<u>In Segment Level 2</u>
CPD	CONSUMPTION PERIOD	C			M if CPD not present	Project Specific
	Period Start	M			M if IPO not present	
	Period End	M				
MOI	MODEL IDENTIFICATION	C				Project Specific
ECC	EVENCE CONTROL CODE	C				Project Specific
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
PCN	PRIME CONTRACT					
	NUMBER	C				Project Specific
SMB	SUPPLY MANAG. BRANCH	C				Project Specific
	INDICATOR					
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/	O/20				
	UNC					
	Supplementary Address	M				
	User (Nation) Code	O				
PNR	PART NUMBER		C	C	M if NSN not present	Key
MFU	NATO SUPPLY CODE FOR					
	MANUFACTURERS/UNC		C	C	M if PNR present	Key
	NATO Supply Code for Manuf.		M	M		
	User (Nation) Code		O	O		
NSN	NATO STOCK NUMBER		C	C	M if PNR not present	Key
	NATO Supply Class		M	M		
	NATO Item Identification Number		M	M		
QTY	QUANTITY		M	M	<u>In Segment Level 2</u>	
					will always be 1 if IPO is	
					specified in Level 2	
UOI	UNIT OF ISSUE		M	M		
APQ	AUTHORIZED POOL QTY		C			Project Specific
SBA	STOCK BALANCE		C			Project Specific
DUI	DUES-IN		C			Project Specific
DUO	DUES-OUT		C			Project Specific
HOF	100-OFF FIGURE		C			Project Specific
RCQ	RECOMMENDED ORDER OTY		C			Project Specific
SRA	SCRAP RATE		C			Project Specific
UOM	UNIT OF MEASURE		C		M if UOI non definitive	
QUI	QTY PER UNIT OF ISSUE		C		M if UOI non definitive	
RDU	REPAIR DUES-IN		C			Project Specific

**MESSAGE IDENTIFIER:**

**SZ4: CONSUMPTION DATA TRANSMISSION  
(CUSTOMER TO CONTRACTOR)**

	MESSAGE SEGMENTS AND ESSENTIALITY					
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	EAH	EAS	ECS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
POF	PERIODIC ORDER FORECAST		C/8			Project Specific
	Period Start Date		M			
	Period End Date		M			
	Quantity		M			
SER	SERIAL NUMBER			C		Project Specific
DEL	DELIVERY DATE			C		Project Specific

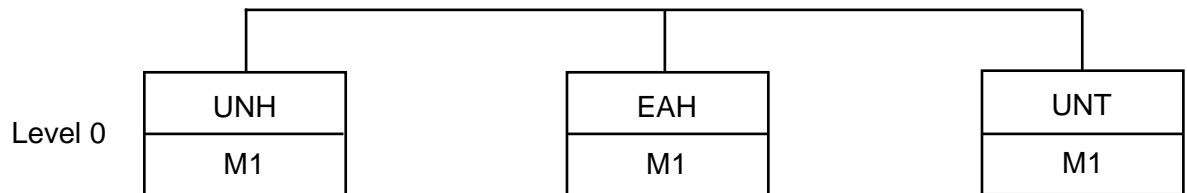
**SPECIFICATION 2000 M**  
**MESSAGE IDENTIFIER:**

**SZ5: REPAIR ARISING DATA TRANSMISSION**  
**(CUSTOMER TO CONTRACTOR)**

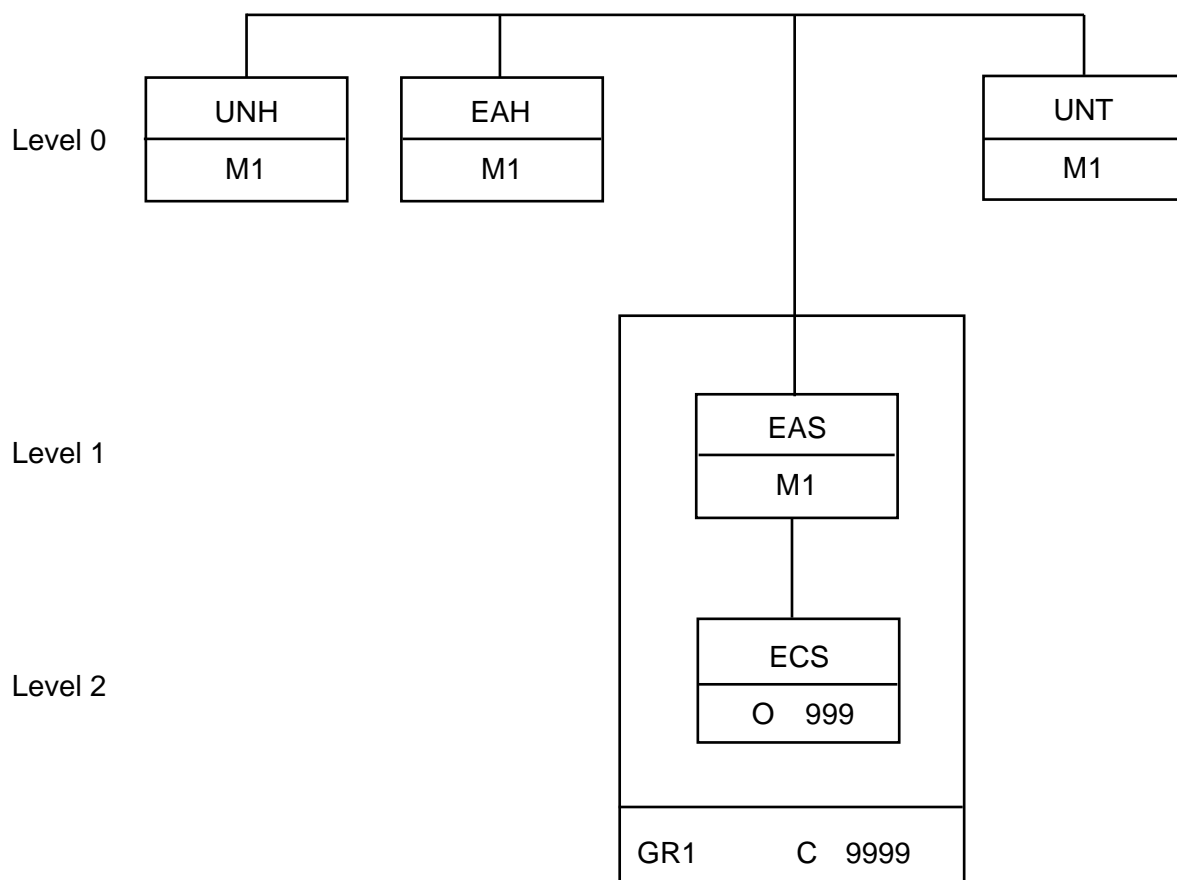
	MESSAGE SEGMENTS AND ESSENTIALITY		GROUP 1 O/9999			
		M	M	O/999		
	SEGMENT LEVEL	0	1	2		
	SEGMENT TAG	EBH	EBS	EDS		
TEI	DATA ELEMENT NAME				ESSENTIALITY	REMARKS
COC	COMMAND CODE	M				
CUU	CUSTOMER/UNC	M				KEY
	Customer	M				
	User (Nation) Code	O				
COU	CONTRACTOR/UNC	M				
	Contractor	M				
	User (Nation) Code	O				
RAT	REPAIR ARISING TRANSMISSION NUMBER	M				KEY
PCN	PRIME CONTRACT NUMBER	C				Project Specific
SAC	STATUS/ADVICE CODE	O/20	O/20	O/20		
SMB	SUPPLY MANAG. BRANCH INDICATOR	C				Project Specific
MOI	MODEL IDENTIFICATION	C				Project Specific
ECC	EVIDENCE CONTROL CODE	C				Project Specific
REM	REMARKS	O/20	O/20	O/20		
SAU	SUPPLEMENTARY ADDRESS/ UNC	O/20				
	Supplementary Address	M				
	User (Nation) Code	O				
PNR	PART NUMBER		C	C	M if NSN not present	Key. See 5.3 para 1.1
MFU	NATO SUPPLY CODE FOR MANUFACTURERS/UNC		C	C	M if PNR present	Key
	NATO Supply Code for Manuf.		M	M		
	User (Nation) Code		O	O		
NSN	NATO STOCK NUMBER		C	C	M if PNR not present	Key. See 5.3 para 1.1
	NATO Supply Class		M	M		
	NATO Item Identification Number		M	M		
UOI	UNIT OF ISSUE		M			
PAF	PERIODIC ARISING FORECAST		C/20			Project Specific
	Period Start		M			
	Period End		M			
	Quantity		M			

## 5. BRANCHING DIAGRAMS

Branching Diagram for SZ1/SZ3 Transaction

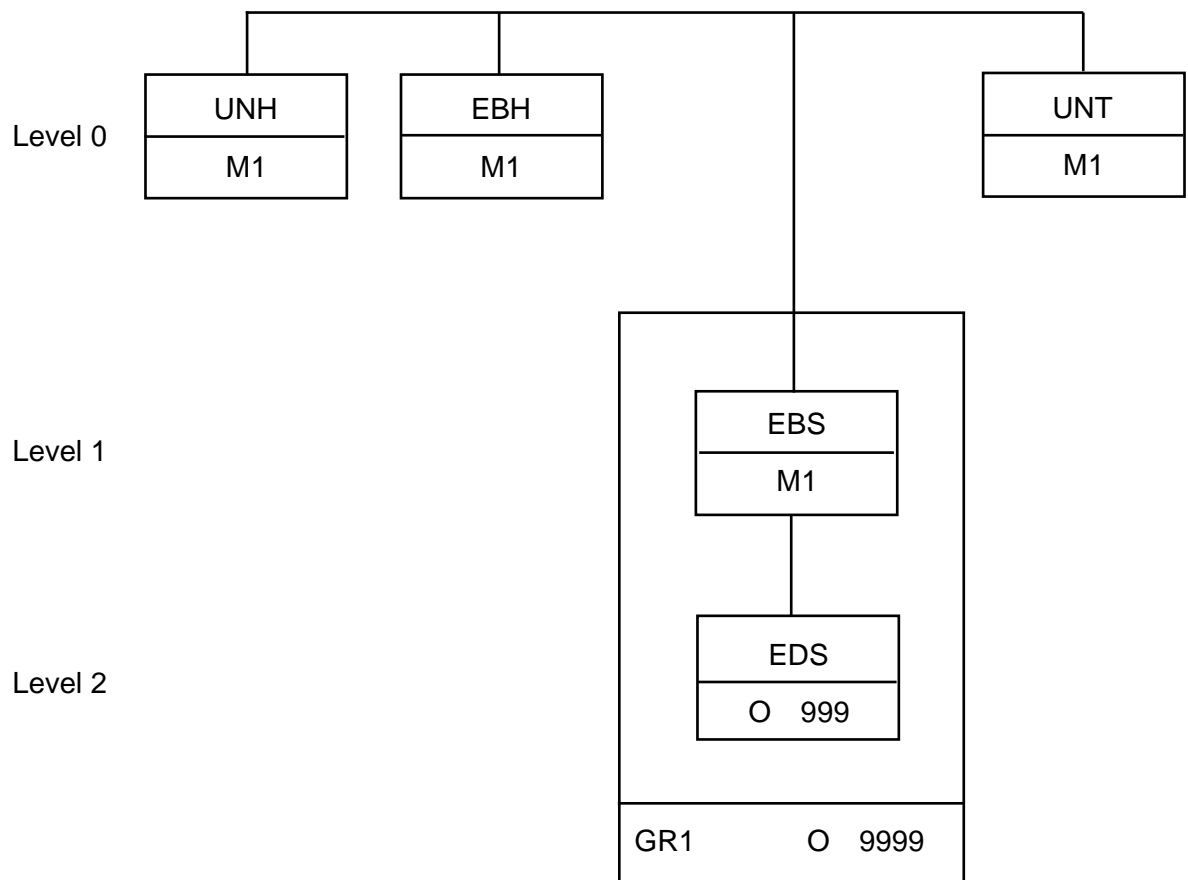


**Branching Diagram for SZ2/SZ4 Transaction**



Gr 1 Mandatory in SZ2 and SZ4, unless requests are rejected using Status/Advice Codes in EAH

Branching Diagram for SZ5





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**SECTION 5-6**

**EXAMPLES**

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## **SPECIFICATION 2000M**

### **Note:**

Within the following examples delimiters and release characters are shown to indicate their usage inside the messages as constructed for transmission purposes.

They will not appear as part of the physical display (Screen/Hardcopy).

For the definitive rules governing their use see Appendix 2, A2-3, para 3.

## **1. CONSUMPTION DATA TRANSMISSION REQUEST - SZ1**

A Consumption Data Transmission Request is placed from F4125A, UK to the Repair Contractor KHD.

### **Message Construction**

Header Segment - UNH

EAH+COC:SZ1+CUU:F4125:AUK+COU:D0272+CDR:F4125A00192+  
CPD:010192:290292+PCN:RAFKHD0192+SMB:SM2A1+SAU:C0419:\*GY'

Trailer Segment - UNT

### **Message Translation**

Header Segment - UNH

#### **Level 0 Segment**

EAH     Segment Code

#### **TEI     DATA VALUE**

COC	SZ1	Command Code
CUU	F4125:AUK	Customer/User (Nation) Code
COU	D0272	Contractor/User (Nation) Code User (Nation) Code omitted
CDR	F4125A00192	Consumption Data Request Number
CPD	010192:290292	Start Date and End Date of a Consumption Period
PCN	RAFKHD0192	Prime Contract Number
SMB	SM2A1	Supply Management Branch Indicator
SAU	C0419:*GY	Supplementary Address/User (Nation) Code

Trailer Segment - UNT

## **SPECIFICATION 2000M**

### **2. CONSUMPTION DATA TRANSMISSION - SZ2**

The Repair Contractor transmits the requested Consumption Data.

This is demonstrated for 2 consumed items, each requiring a Level 1 Segment. The reason for consumption is identified by a Status/Advice Code. The identification of the repaired item(s) and the related (repair) order number(s) are transmitted in the related Level 2 Segments.

#### **Message Construction**

Header Segment - UNH

#### **Level 0 Segment**

EAH+COC:SZ2+CUU:F4125:AUK+COU:D0272+CDR:F4125A00192+CPD:010192:290292+PCN:RAFKHD0192+SMB:SM2A1+SAU:C0419:\*GY'

#### **1. Level 1 Segment**

EAS+SAC:5A+PNR:2894822+MFU:D0272:\*GY+QTY:2+UOI:EA'

#### **1. Level 2 Segment**

ECS+IPO:RAFM241438+PNR:2894801+MFU:D0272:\*GY+QTY:1+SER:0114+DEL:250192+UOI:EA'

#### **2. Level 2 Segment**

ECS+IPO:RAFM241439+PNR:2894801+MFU:D0272:\*GY+QTY:1+SER:093+DEL:120292+UOI:EA'

#### **2. Level 1 Segment**

EAS+SAC:5C+PNR:2895321+MFU:D0272:\*GY+QTY:5+UOI:EA'

#### **Level 2 Segment**

ECS+IPO:RAFM241440+PNR:2894801+MFU:D0272:\*GY+QTY:1+SER:0115+DEL:160292+UOI:EA'

Trailer Segment - UNT

**Message Translation**

Header Segment - UNH

**Level 0 Segment**

EAH Segment Code

**TEI DATA VALUE**

COC	SZ2	Command Code
CUU	F4125:AUK	Customer/User (Nation) Code
COU	D0272	Contractor/User (Nation) Code User (Nation) Code omitted
CDR	F4125A00192	Consumption Data Request Number
CPD	010192:290292	Start Date and End Date of a Consumption Period
PCN	RAFKHD0192	Prime Contract Number
SMB	SM2A1	Supply Management Branch Indicator
SAU	CO419:*GY	Supplementary Address/User (Nation) Code

**1. Level 1 Segment**

EAS Segment Code

**TEI DATA VALUE**

SAC	5A	Status/Advice Code, indicating that the item was consumed for repair
PNR	2894822	Part Number of the consumed item
MFU	D0272:*GY	NATO Supply Code for Manufacturers User (Nation) Code of the consumed item
QTY	2	Quantity (consumed)
UOI	EA	Unit of Issue

## SPECIFICATION 2000M

### 1. Level 2 Segment

ECS     Segment Code

**TEI     DATA VALUE**

IPO     RAFM241438     Order Number against which the repair and consumption was performed

PNR     2894801     Part Number of the repaired item

MFU     D0272:\*GY     NATO Supply Code for Manufacturers/User (Nation) Code of the repaired item

QTY     1     Quantity of the repair order (always 1 with serialized items)

SER     0114     Serial Number of the repaired item

DEL     250192     Delivery Date of the repaired item

UOI     EA     Unit of Issue

### 2. Level 2 Segment

ECS     Segment Code

**TEI     DATA VALUE**

IPO     RAFM241439     Order Number against which repair and consumption was performed

PNR     2894801     Part Number of the repaired item

MFU     D0272:\*GY     NATO Supply Code for Manufacturers/User (Nation) Code of the repaired item

QTY     1     Quantity of the repair order (always 1 with serialized items)

SER     093     Serial Number of the repaired item

DEL     120292     Delivery Date of the repaired item

UOI     EA     Unit of Issue

**2. Level 1 Segment**

EAS Segment Code

**TEI DATA VALUE**

SAC 5C Status/Advice Code, indicating that this item was consumed during modification embodiment

PNR 2895321 Part Number of the consumed item

MFU D0272:\*GY Manufacturer/User (Nation) Code of the consumed item

QTY 5 Quantity (consumed)

UOI EA Unit of Issue

**Level 2 Segment**

ECS Segment Code

**TEI DATA VALUE**

IPO RAFM241440 Order Number against which modification embodiment and consumption was performed

PNR 2894801 Part Number of the modified item

MFU D0272:\*GY NATO Supply Code for Manufacturers/User (Nation) Code of the modified item

QTY 1 Quantity of the modification order

SER 0115 Serial Number of the modified item

DEL 160292 Delivery Date of the modified item

UOI EA Unit of Issue

Trailer Segment - UNT



## SPECIFICATION 2000M

### 3. CONSUMPTION DATA TRANSMISSION REQUEST - SZ3

A Consumption Data Transmission Request is placed from the Repair Contractor KHD to the GAF, Air Materiel Command. The Contractor also requests the transmission of order forecasting data.

#### Message Construction

Header Segment - UNH

#### Level 0 Segment

EAH+COC:SZ3+CUU:00DCZ:\*GY+COU:D0272:\*GY+CDR:KHDRO11392+CPD:010991:311291+MOI:1Y+SAC:1X'

Trailer Segment - UNT

#### Message Translation

Header Segment - UNH

#### Level 0 Segment

EAH     Segment Code

#### TEI     DATA VALUE

COC	SZ3	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	D0272:*GY	Contractor/User (Nation) Code
CDR	KHDRO11392	Consumption Data Request Number
CPD	010991:311291	Start Date and End Date of a Consumption Period
MOI	1Y	Model Identification
SAC	1X	Status/Advice Code, indicating that the transmission of order forecasting data is also requested

Trailer Segment - UNT

#### **4. CONSUMPTION DATA TRANSMISSION - SZ4**

The GAF Air Materiel Command decide to transmit Consumption Data, without reasons for consumption (i.e. no Level 2 Segments required). Order Forecasting Data is also transmitted. This example illustrates the transmission of data for one item. Additional items would require an additional number of Level 1 Segments.

##### **Message Construction**

Header Segment - UNH

##### **Level 0 Segment**

EAH+COC:SZ4+CUU:00DCZ:\*GY+COU:D0272:\*GY+CDR:KHDRO11392+CPD:010991:311291+MOI:1Y'

##### **Level 1 Segment**

EAS+PNR:2894822+MFU:D0272:\*GY+QTY:15+UOI:EA+POF:010192:311292:20'

Trailer Segment - UNT

##### **Message Translation**

Header Segment - UNH

##### **Level 0 Segment**

EAH     Segment Code

##### **TEI     DATA VALUE**

COC	SZ4	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	D0272:*GY	Contractor/User (Nation) Code
CDR	KHDRO11392	Consumption Data Request Number
CPD	010991:311291	Start Date and End Date of a Consumption Period
MOI	1Y	Model Identification

## SPECIFICATION 2000M

### Level 1 Segment

EAS     Segment Code

#### **TEI     DATA VALUE**

PNR     2894822                      Part Number against which consumption and order forecasting data are reported

MFU     D0272:\*GY                    NATO Supply Code of Manufacturers/User (Nation) Code

QTY     15                                Quantity consumed in the Consumption Period

UOI     EA                                Unit of Issue

POF     010192:311292:20              Order Forecasting Period Start and End Date and the forcecast Quantity

Trailer Segment - UNT

## 5. REPAIR ARISING DATA TRANSMISSION - SZ5

The GAF Air Materiel Command decide to transmit Repair Arising Data to KHD, a Repair Contractor. This example illustrates the transmission of repair arisings for one repairable item (i.e. one Level 1 Segment required). The arisings are given against a Repairables family (Group), i.e. the latest build standard is identified in Level 1; any alternative standard is identified in Level 2.

## Message Construction

## Header Segment - UNH

## Level 0 Segment

EBH+COC:SZ5+CUU:00DCZ:\*GY+COU:D0272:\*GY+RAT:192KHDNA+PCN:BWB1Y92+MOI:1Y'

## Level 1 Segment

EBS+PNR:2892840+MFU:D0272:\*GY+UOI:EA+PAF:010792:300992:5+  
PAF:011092:311292:7+PAF:010193:300393:5+PAF:010493:300693:10'

## Level 2 Segment

EDS+PNR:2892840-A+MFU:D0272:\*GY'

Trailer Segment - UNT

## Message Translation

## Header Segment - UNH

## Level 0 Segment

EBH	Segment Code
-----	--------------

TEI	DATA VALUE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

COC	SZ5	Command Code
CUU	00DCZ:*GY	Customer/User (Nation) Code
COU	D0272:*GY	Contractor/User (Nation) Code
RAT	192KHDNA	Repair Arising Transmission Number
PCN	BWB1Y92	Prime Contract Number
MOI	1Y	Model Identification

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### Level 1 Segment

EBS Segment Code

#### TEI DATA VALUE

PNR 2892840 Part Number, against which arisings are reported.

MFU D0272:\*GY NATO Supply Code for Manufacturers/User (Nation) Code

UOI EA Unit of Issue

PAF 010792:300992:5 Start Date and the End Date of a Periodic Arising Forecast Period and the forecasted Quantity

PAF 011092:311292:7 Start Date and the End Date of a Periodic Arising Forecast Period and the forecasted Quantity

PAF 010193:300393:5 Start Date and the End Date of a Periodic Arising Forecast Period and the forecasted Quantity

PAF 010493:300693:10 Start Date and the End Date of a Periodic Arising Forecast Period and the forecasted Quantity

### Level 2 Segment

EDS Segment Code

#### TEI DATA VALUE

PNR 2892840-A Part Number of an alternative build standard

MFU D0272:\*GY NATO Supply Code for Manufacturers/User (Nation) Code of the alternative Part Number

Trailer Segment - UNT

# The European Association of Aerospace Industries



Association Européenne des Constructeurs de Matériel Aérospatial

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INTERNATIONAL SPECIFICATION  
FOR  
MATERIEL MANAGEMENT

INTEGRATED DATA PROCESSING  
FOR  
MILITARY EQUIPMENT

## **SPECIFICATION 2000M**

REVISION 2.1, MAY 1992

## **VOLUME 3**



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## SECTION A1-1

### GENERAL

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## **SECTION A1-1**

### **GENERAL**

#### **1. PURPOSE**

The Data Dictionary is a catalogue of all the Data Elements utilized in the AECMA Specification 2000M Chapters 1A to 5 and Appendix 2. Its purpose is to identify the standardized names, definitions and attributes to ensure a common understanding and application of the data elements.

The Data Unit, that is the TEI plus the Data Element, is fully described in Appendix 2, Section 3, Para 3.4.5. The rules applying to the use of the Data Unit are also contained in Appendix 2, Section 3. This Appendix 1 defines only those attributes applicable to the Data Elements.

#### **2. USE**

The Data Dictionary is intended for the use of Management and Staffs of Customer and Industry Organizations operating to Specification 2000M as part of their business processes. It is also intended for use by the specialist staffs involved in the application of Information Technology (ie. those responsible for designing, developing and maintaining computer and communication systems) supporting the business processes.

#### **3. IDENTIFICATION OF DATA ELEMENTS**

The three means of identifying each Data Element are:

- The Data Element Name
- The Abbreviation
- The Text Element Identifier (TEI)

##### **3.1. Data Element Name**

The Data Element Name is the name by which the Data Element is known. It is intended that this name should be as explicit as possible so that a person who understands the subject area can identify the data item from its name and use the details in the Dictionary to confirm his understanding.

The maximum length is limited to 55 characters including spaces.

##### **3.2. Abbreviations**

The Abbreviation is a shortened Data Element identification normally formed by using the first letter of each word in the name. Exceptionally, abbreviations not formed in this manner are adapted:

- a. To avoid the use of the same abbreviation for different Data Elements, or

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- b. When an abbreviation formed by different rules is already in universal use, eg. UI for Unit of Issue.

In all cases, the aim is to make abbreviation letters significant to help the reader's understanding. The abbreviation varies in size from 1 to 5 characters.

### **3.3. Text Element Identifiers**

The TEI is also a shortened Data Element Identifier, designed essentially for data processing and communication purposes. Unlike the abbreviation, the TEI has a fixed length of 3 alpha characters. Also unlike the abbreviation, the alpha characters used are not necessarily significant, although new data elements will usually share a common abbreviation and TEI. The TEI together with the Data Element value form the Data Unit, see Appendix 2, Section 3, Para 3.4.5.

The International Standard (ISO 9735), used to construct the service segments which envelop the messages during transmission, also uses a 3 alpha code for identification. Codes which begin with the letters "UN", and the code "FTX" are reserved; for this reason, TEIs must never use these.

Care must also be taken to avoid using the 3 alpha codes which identify user data segments; these codes are listed in Annex C of Appendix 2.

### **3.4. General**

Both abbreviations and TEIs may be used to identify data on some forms of output.

## **4. DICTIONARY LAYOUT**

There are two types of information in this Dictionary:

- a. Cross-Reference Lists showing the relationships between the three forms of Data Element identification. (Section A1-2).
- b. Individual Data Element Definition Sheets. (Section A1-3).

Many references appear on the Data Element definition sheets to other elements; the Data Elements referred to appear in upper case letters.

## **5. CROSS-REFERENCE LISTS**

### **5.1. Contents**

The Cross-Reference Lists contain the following information in respect of each Data Element:

- a. Data Element Name
- b. Abbreviation

- c. TEI
- d. Identification of the Specification 2000M chapter(s) in which the data is used. Those Data Elements which are used purely in communication-orientated messages (eg. Acknowledgement and Error Notification message and Free Text message) are indicated by "App 2" (ie. Appendix 2- Communication Techniques).
- e. Revision Number (REV) indicating the last Revision Number applicable to each Data Element Definition Sheet. The basic issue is always "REV: 00".

The Revision Number and date of issue is unique to each Data Element, ie the original version is always Revision 00 and the date will be the date of introduction within Appendix 1, eg Rev: 00 June 1988. On amendment the Revision Number will be incremented by 01 and the date will be that of the amendment, eg Rev: 01 May 1992. It must be noted that this Item Number has no connection with the Revision Number of Spec 2000M as a whole.

- f. Date of the last revision to each sheet.

## **5.2 Sorts**

Three separate Cross-Reference Lists are included. Each presents identical information but each is sorted differently. The three sort keys for the lists are:

Data Element Name.

Abbreviation.

TEI.

## **6. DATA ELEMENT DEFINITION SHEET**

Each Data Element is defined in a separate sheet in Section A1-3. Each Definition Sheet follows a common format, providing in addition to the three forms of Data Element identification (Data Element Name, Abbreviation and TEI) the following information.

### **6.1. Characteristics**

The characteristics describe specific aspects that can occur in a Data Element. They comprise:

**FORMAT.** The Data Element length ie. the maximum number of characters permitted, and whether alphabetic (a), numeric (n) or alpha/numeric (an) as defined in Appendix 4. Whether the field is fixed or variable is also indicated; variable length fields are identified by the presence of 2 period points (..) between the character type and character length. In the case of Composite Data Elements, this description is replaced by "S.C.D.E." (SEE COMPONENT DATA ELEMENTS).



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**JUSTIFICATION.** At present, each Data Element sheet indicates whether the data is left or right justified for those Data Elements having a variable length format. This justification follows the standard ADP rules of Left for Alphabetic or Alpha/Numeric and Right for Numeric formats. In the long term, as Data Element sheets are amended and re-issued, this information will be removed from the sheets.

**FORMAT OF HARDCOPY PRINT.** This defines the printed format of a Data Element. This format is given only when it differs from the machine format. It also indicates when a negative value is required to be shown see Appendix 2, Section 3, Para 3.3.

**ORIGINATOR OF DATA.** This indicates the individual or organization who introduces the data for the first time.

### **6.2. Description/Purpose**

This Section describes the meaning and purpose of the Data Element. The description must be applicable to all processes that use the Data Element.

### **6.3. Code**

This section gives the instructions necessary for filling the Data Element field. It may take the following forms:

- Specific values of codes given in tabular form.
- Reference to a table of codes which is contained in some authoritative specification.
- Definitive instructions on the construction of the information to be provided.

### **6.4. Remarks**

This section is used to give any additional comments which are necessary.

### **6.5. Examples**

This section illustrates how the Data Element can be used where such clarification is required. It will normally appear only where such explicit clarification is necessary. If an example is not necessary, the heading will not be shown.

## **7. UTILIZATION OF CODES**

In order to operate the Specification 2000M, various codes are required. Where possible, the general approach has been to utilize existing NATO/European or International Standards (eg. H4 Handbook, ATA Codes, the ISO 7372 UNTDED (United Nations Trade Data Element Directory) etc). However, where "non-standard" codes are necessary, then it is the joint responsibility of the Contractor and Customer to establish codes in the Terms and Conditions of Contract. These "non-standard" codes may be incorporated into Specification 2000M subject to AECMA approval. A central register of codes can be accessed via the AECMA Spec 2000M Administrator.

## **8. CHANGES AND AMENDMENTS**

Any changes or amendments to the Data Dictionary can be introduced only through the formal change procedure outlined in paragraph 5 of the Introduction to Specification 2000M.

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SECTION A1-2

CROSS-REFERENCE LISTS

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**SECTION A1-2-1**

**CROSS-REFERENCE LIST**

**DATA ELEMENT NAME TO TEI/ABBREVIATION**

BLANK

SORT: DATA ELEMENT NAME

## DATA DICTIONARY

## LIST OF DATA ELEMENTS

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
ACTION CODE	ATC	ATC							*	02 May 1992
ADDITIVE UNIT PRICE	AUP	AUP				*	*			01 May 1992
ADDITIVE UNIT PRICE/ CURRENCY CODE	AUPC	AUC				*	*			01 May 1992
ADDRESSEE	A	ADD	*	*						01 May 1992
ADJUSTABLE COST	AC	ACO				*	*	*		01 May 1992
ADJUSTABLE COST CODE	ACC	ACC				*	*	*		01 May 1992
ADJUSTABLE COST DESCRIPTION	ACS	ACS				*	*	*		00 May 1992
ADJUSTABLE COST DETAILS	ACA	ACA				*	*	*		01 May 1992
AGENTS TAX REGISTRATION NUMBER	ATRN	AGN						*		00 May 1992
AGENTS TAX REGISTRATION NUMBER/UNC	ATRNU	AGU						*		00 May 1992
AGERD NUMBER	AGERD	AGE				*	*			01 May 1992
AMENDMENT NUMBER	AMN	AMN					*			00 May 1992
ATTACHING, STORAGE OR SHIPPING PART	ASSP	ASP	*	*						00 July 1988
AUTHORIZED LIFE	AL	AUL	*							02 May 1992
AUTHORIZED LIFE/TCIAL	ALI	ALI	*							00 May 1992
AUTHORIZED POOL QUANTITY	APQ	APQ						*		00 May 1992
BILL OF LADING NUMBER	BOLN	BOL					*			00 July 1988
CALIBRATION MARKER	CM	CMK	*	*						01 May 1992
CARRIER	CAR	CAR					*			01 May 1992



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## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER							A P 2	REV	DATE
			1	1	1	2	3	4	5			
			ABC									
CARRIER/UNC	CAUNC	CAU				*	*				01	May 1992
CASE NUMBER	CN	CNO					*				00	July 1988
CATALOGUE SEQUENCE NUMBER	CSN	CSN	*	*	*						03	Oct 1996
CATEGORY 1 CONTAINER IDENTIFICATION	CICI	CTI	*		*						01	May 1992
CATEGORY 1 CONTAINER LOCATION	CICL	CTL	*		*						01	May 1992
CHANGE AUTHORITY NUMBER	CAN	CAN	*		*	*	*				01	May 1992
CHANGE CODE	CHG	CHG	*	*		*	*			*	03	Oct 1994
COMMAND CODE	COC	COC				*	*	*	*		03	Oct 1994
CONSUMPTION DATA REQUEST NUMBER	CDR	CDR						*			00	May 1992
CONSUMPTION PERIOD	CPD	CPD						*			00	May 1992
CONSUMPTION RATE	CR	CSR	*								01	May 1992
CONTRACTOR	CON	CON				*	*	*	*		01	May 1992
CONTRACTOR REPAIR TURNAROUND TIME	CRTT	CRT	*								02	Oct 1994
CONTRACTOR TAX REGISTRATION NUMBER	COTRN	TRO						*			00	May 1992
CONTRACTOR TAX REGISTRATION NUMBER/UNC	COTRC	TOU						*			00	May 1992
CONTRACTOR'S ACCOUNT NUMBER	CAC	CAC						*			02	Oct 1996
CONTRACTOR'S BANK CODE	CBC	CBC						*			01	May 1992

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
CONTRACTOR'S BANK DETAILS	CBU	CBU						*	00	May 1992
CONTRACTOR/CUSTOMER INDICATOR	CCI	CCI				*	*	*	00	May 1992
CONTRACTOR/UNC	CONC	COU				*	*	*	01	May 1992
CONTRACTUAL DELIVERY DATE	CDD	CDD				*	*		02	Oct 1994
COPRODUCER	COP	COP				*	*	*	00	May 1992
COPRODUCER/UNC	CPU	CPU				*	*	*	00	May 1992
COUNTRY OF ORIGIN	COO	COR						*	01	May 1992
CURE DATE	CUD	CUD				*			02	May 1992
CURRENCY CODE	CC	CUR	*			*	*	*	01	May 1992
CUSTOMER	CUS	CUS				*	*	*	01	May 1992
CUSTOMER PRICE LIST (CPL) ADDENDUM/ AMENDMENT NUMBER	CAA	CAA				*	*	*	02	May 1992
CUSTOMER PRICE LIST (CPL) EFFECTIVE DATE	CPLED	CEF				*			00	July 1988
CUSTOMER PRICE LIST (CPL) EXPIRY DATE	CPLXD	CEX				*			00	July 1988
CUSTOMER PRICE LIST (CPL) REFERENCE NUMBER	CPLRN	CRE				*	*	*	01	May 1992
CUSTOMER TAX REGISTRATION NUMBER	CUTRN	TRU				*	*	*	00	May 1992
CUSTOMER TAX REGISTRATION NUMBER/UNC	CUTRC	TUU				*	*	*	00	May 1992
CUSTOMER/UNC	CUUNC	CUU				*	*	*	01	May 1992
DATA RELEASE DATE	DRD	DRD	*	*					01	May 1992

# SPECIFICATION 2000M

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			ABC								
DATA RELEASE REFERENCE	DRR	DRR	*							05	Oct 1996
DATA RELEASE SEQUENCE NUMBER	DRSN	DRS	*	*						03	May 1992
DELIVERY AND INSPECTION NOTE NUMBER	DINN	DIN					*	*		01	May 1992
DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	DIOU	DIU					*	*		00	May 1992
DELIVERY DATE	DD	DEL					*	*	*	01	May 1992
DELIVERY POINT	DPT	DPT					*	*		00	July 1988
DESCRIPTION FOR LOCATION	DFL	DFL	*	*						02	Oct 1997
DESCRIPTION FOR PART	DFP	DFP	*	*	*					02	Oct 1997
DIVERSION NUMBER	DN	DNO					*			00	July 1988
DOMESTIC MANAGEMENT CODE	DMC	DMC	*			*	*			00	July 1988
DOWN/PROGRESS PAYMENT PERCENTAGE RATE	DPPPR	DPC					*			01	May 1992
DOWN/PROGRESS PAYMENT VALUE	DPV	DPV					*			01	May 1992
DUES IN	DUI	DUI						*		00	May 1992
DUES OUT	DUO	DUO						*		00	May 1992
EARLIEST TIME FOR COLLECTION	ETC	ETC					*			00	July 1988
ECONOMIC CONDITIONS	ECO	ECO					*	*	*	01	May 1992
ECONOMIC CONDITIONS/ CURRENCY CODE	ECOC	EOC					*	*		00	May 1992
EFFECTIVITY	E	EFY	*	*						03	May 1992
ELECTROSTATIC SENSITIVE DEVICE	ESD	ESD	*							01	May 1992

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
ERROR CODE	ERC	ERC							*	02 May 1992
ESCALATION FACTOR	EF	ESF						*	01 May 1992	
ESCALATION FACTOR/CURRENCY CODE	EFCC	ESR						*	00 May 1992	
ESCALATION VALUE	EV	ESV						*	01 May 1992	
ESCALATION VALUE/CURRENCY CODE	EVCC	ESY						*	00 May 1992	
ESSENTIALITY CODE	EC	ESC	*						01 Oct 1994	
EVIDENCE CONTROL CODE	ECC	ECC				*	*	*	02 Oct 1996	
EXCHANGE CURRENCY CODE	EXCC	EXC				*	*	*	02 May 1992	
EXCHANGE RATE	ER	EXR				*	*	*	01 May 1992	
EXCHANGE RATE/ CURRENCY CODE	ERCC	EXU				*	*	*	00 May 1992	
EXCHANGE RATE TYPE	ERT	ERT				*	*	*	01 May 1992	
FILE IDENTIFIER	FI	FID	*	*	*				01 May 1992	
FITMENT CODE	FC	FTC	*	*					01 May 1992	
FORECAST DELIVERY DATE	FDD	FDD				*	*		02 May 1992	
GOVERNMENT QUALITY ASSURANCE AND CONTROL	GQAC	GQA				*			01 May 1992	
HASTENING NUMBER	HNO	HNO				*			00 May 1992	
HAZARDOUS MATERIAL	HM	HAZ	*	*	*	*			01 April 1991	
ILLUSTRATION AFFECTED INDICATOR	IAI	IAI	*						00 July 1988	
INDENTURE	I	IND	*	*					00 July 1988	
INITIAL PROVISIONING PROJECT NUMBER	IPPN	IPP	*	*	*	*			01 May 1992	

## SPECIFICATION 2000M

### SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3			
INITIAL PROVISIONING PROJECT NUMBER SUBJECT	IPPNS	IPS	*	*	*				01	May 1992
INTEGRATED LOGISTIC SUPPORT NUMBER	ILSN	ILS	*	*					00	April 1991
INTERCHANGEABILITY	ICY	ICY	*	*	*	*			02	Oct 1996
INVOICE CATEGORY	IC	ICA					*		01	May 1992
INVOICE DATE	ID	IDT				*	*		01	May 1992
INVOICE DELIVERY LINE VALUE NETT	IDLVN	IDV					*		00	May 1992
INVOICE DELIVERY LINE VALUE NETT/CURRENCY CODE	IDLVC	IDC					*		00	May 1992
INVOICE NUMBER	IN	INR				*	*		02	May 1992
INVOICE ORDER LINE VALUE NETT	IOLVN	IOV					*		00	May 1992
INVOICE SENDER	ISE	ISO				*	*		00	May 1992
INVOICE SENDER/UNC	ISUNC	ISU				*	*		00	May 1992
INVOICE TO	ITO	ITO				*	*		01	May 1992
INVOICE TO/UNC	ITUNC	ITU				*	*		01	May 1992
INVOICE TOTAL TAX VALUE	ITTV	ITX					*		01	May 1992
INVOICE TOTAL VALUE GROSS	ITVG	ITL					*		00	May 1992
INVOICE TOTAL VALUE NETT	ITVN	IGV					*		01	May 1992
INVOICE TYPE	INT	INT					*		01	May 1992
ISSUE STANDARD	IS	ISS	*						03	Oct 1994
ITEM NAME CODE	INC	INC	*	*					01	May 1992
ITEM SEQUENCE NUMBER	ISN	ISN	*	*					03	Oct 1996
ITEM TYPE	ITY	ITY	*		*	*			03	Oct 1997

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4	5	
KEY DATA UNITS	KDU	KDU								* 02 Oct 1994
KEYWORD	K	KEY				*	*			01 May 1992
LANGUAGE CODE	LC	LGE	*	*	*					01 June 1989
LETTER OF CREDIT NUMBER	LCN	LOC						*		01 May 1992
MAINTENANCE PERCENT	MP	MAP	*							01 May 1992
MEAN TIME BETWEEN FAILURES	MTBF	TBF	*							03 Oct 1994
MEAN TIME BETWEEN FAILURES/ TCIBF	MTBFI	MTI	*							01 Oct 1994
MESSAGE IDENTIFIER	MID	MID							*	00 May 1992
MESSAGE REFERENCE NUMBER	MRN	MRN							*	00 May 1992
MESSAGE TYPE	MT	MTP	*	*					*	02 May 1992
MINIMUM SALES QUANTITY	MSQ	MSQ	*			*	*			01 May 1992
MODEL IDENTIFICATION	MI	MOI	*	*	*	*	*	*	*	05 Oct 1997
MODEL VERSION	MV	MOV	*		*					02 Oct 1994
NATO ITEM IDENTIFICATION NUMBER	NIIN	NIN	*	*	*	*	*	*	*	01 May 1992
NATO STOCK NUMBER	NSN	NSN	*	*	*	*	*	*	*	03 May 1992
NATO SUPPLY CLASS	NSC	NSC	*	*	*	*	*	*	*	01 May 1992
NATO SUPPLY CODE FOR MANUFACTURERS	NSCM	MFC	*	*	*	*	*	*	*	01 May 1992
NATO SUPPLY CODE FOR MANUFACTURERS/UNC	NSCUC	MFU				*	*	*	*	01 May 1992
NOT ILLUSTRATED	NI	NIL	*		*					02 Oct 1994
NOTICOL NUMBER	NNR	NNR					*			00 July 1988
NOTICOL ORIGINATOR	NO	NOR				*				01 May 1992

# SPECIFICATION 2000M

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			ABC								
NOTICOL ORIGINATOR/UNC	NOUNC	NOU					*			01	May 1992
OBSERVATION	OBS	OBS	*	*						02	April 1991
OBSERVATION SEQUENCE NUMBER	OSN	OSN	*	*						02	May 1992
OFFSET PERCENTAGE RATE	OPR	OPR						*		01	May 1992
OFFSET VALUE	OFV	OFV						*		01	May 1992
ORDER NUMBER	ODN	IPO				*	*	*	*	00	May 1992
ORIGINAL INVOICE DATE	OID	OID						*		01	May 1992
ORIGINAL INVOICE NUMBER	OIN	OIN						*		02	May 1992
ORIGINAL INVOICE TOTAL TAX VALUE	OITTV	TTV						*		01	May 1992
ORIGINAL INVOICE TOTAL VALUE GROSS	OITVG	OGG						*		00	May 1992
ORIGINAL INVOICE TOTAL VALUE NETT	OITVN	OGV						*		01	May 1992
ORIGINATOR	ORT	ORT				*	*	*		00	May 1992
ORIGINATOR REFERENCE NUMBER	ORN	ORN				*	*	*		01	May 1992
ORIGINATOR REFERENCE NUMBER/ORT/UNC	ORU	ORU				*	*	*		00	May 1992
OWN BRANCH INDICATOR	OBI	OBI						*		00	May 1992
PACKAGING LEVEL CODE	PLC	PLC	*			*	*	*		02	Oct 1997
PART NUMBER	PN	PNR	*	*	*	*	*	*	*	02	May 1992
PAYMENT DATE	DP	DPY						*		00	May 1992
PAYMENT STATUS ADVICE NUMBER	PSAN	PAN						*		00	May 1992

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
PAYMENT TERMS	PT	PYT						*	00	July 1988
PERIOD END DATE	PED	PED						* *	00	May 1992
PERIOD OF PERFORMANCE	POP	POP						*	00	May 1992
PERIOD START DATE	PSD	PSD						* *	00	May 1992
PERIODIC ARISING FORECAST	PAF	PAF						*	00	May 1992
PERIODIC ORDER FORECAST	POF	POF						*	00	May 1992
PHYSICAL SECURITY/ PILFERAGE CODE	PSPC	PSC	*						02	May 1992
PICK-UP POINT - CODED ADDRESS	PUPC	CAD						*	01	May 1992
PICK-UP POINT - CODED ADDRESS/UNC	PPUNC	CDU						*	02	May 1992
PICK-UP POINT - FULL ADDRESS	PUPF	PUP						*	00	July 1988
POOL ITEM CANDIDATE	PIC	PIC	*						00	July 1988
PREVIOUS KEY DATA	PKD	PKD					*	*	00	May 1992
PRICE BREAK DATA	PBD	PBD	*			*	*		03	May 1992
PRICE CATEGORY	PC	PCA				*	*	*	01	May 1992
PRICE CONDITION	PCC	PCO				*	*	*	01	May 1992
PRIME CONTRACT NUMBER	PCN	PCN				*	*	*	01	May 1992
PRIORITY REQUIREMENT	PR	PTY						*	01	May 1992
PROCUREMENT BUDGET NUMBER	PBN	PBN					*	*	01	May 1992
PROCUREMENT CODE	PCD	PCD	*				*		05	Oct 1997
PROGRESS/PAYMENT MILESTONE NUMBER	PPMN	PPM					*	*	00	May 1992
PROGRESS/PAYMENT PLAN IDENTIFIER	PPPI	PPI					*	*	00	May 1992



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## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1	1	1	2	3	4	5	
			ABC							
PROVISIONING CATEGORY	PCY	PCY					*			02 May 1992
PURCHASING LEAD TIME	PLT	PLT	*			*	*			01 April 1991
QUANTITY	QTY	QTY	*			*	*	*	*	01 May 1992
QUANTITY PER NEXT HIGHER ASSEMBLY	QPNHA	QNA	*	*						01 May 1992
QUANTITY PER UNIT OF ISSUE	QPUI	QUI	*	*	*	*	*	*	*	02 May 1992
QUOTATION DATE	QD	QDT				*	*			01 May 1992
QUOTATION EXPIRY DATE	QED	QED				*	*			00 July 1988
QUOTATION NUMBER	QNO	QNO				*	*			01 May 1992
QUOTATION TARGET DATE	QTT	QTT				*	*			00 July 1988
QUOTATION VALIDITY PERIOD	QVP	QVP				*	*			01 May 1992
REASON FOR SELECTION	RFS	RFS	*							00 July 1988
RECEIPT DATE	RDT	RDT				*				00 May 1992
RECOMMENDED MAINTENANCE QUANTITY	RMQ	RMQ	*							01 May 1992
RECOMMENDED ORDER QUANTITY	RCQ	RCQ						*		00 May 1992
RECOMMENDED OVERHAUL/ REPAIR QUANTITY	ROQ	ROQ	*							01 May 1992
REFER TO	RT	RTX	*	*						02 May 1992
REFERENCE DESIGNATOR	RD	RFD	*	*						00 July 1988
REFERENCE NUMBER CATEGORY CODE	RNCC	RNC	*	*						01 May 1992
REFERENCE NUMBER JUSTIFICATION CODE	RNJC	RNJ	*	*						02 May 1992
REFERENCE NUMBER VARIATION CODE	RNVC	RNV	*	*						01 May 1992

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
REMARKS	REM	REM				*	*	*	*	00 July 1988
REPAIR ARISING TRANSMISSION NUMBER	RAT	RAT						*	00	May 1992
REPAIR DUES IN	RDU	RDU						*	00	May 1992
REPLACING NATO STOCK NUMBER	RNSN	RNS				*			01	May 1992
REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	RNSCM	RMF	*			*			01	May 1992
REPLACING NATO SUPPLY CODE FOR MFR'S/UNC	RNSCU	RMU				*			01	May 1992
REPLACING PART NUMBER	RPN	RPP	*			*			01	May 1992
REPLACING UNIT OF ISSUE	RUI	RUI				*			02	May 1992
REQUEST FOR QUOTATION REPEAT COUNTER	RQRC	RQC				*			00	May 1992
REQUEST NUMBER	RQN	RQN				*	*		00	May 1992
REQUIRED DELIVERY DATE	RDD	RDD				*	*		01	May 1992
SCRAP RATE	SR	SRA	*					*	01	Oct 1994
SEARCH KEY CODE	SKC	SKC				*			01	April 1991
SEGMENT CODE IDENTITY	SGT	SGT						*	00	July 1988
SEGMENT LEVEL	SEL	SEL				*	*	*	00	May 1992
SEGMENT LEVEL KEY	SLK	SLK				*	*	*	00	May 1992
SEGMENT SEQUENCE NUMBER	SEN	SEN				*	*	*	00	May 1992
SELECT OR MANUFACTURE FROM IDENTIFIER	SMFI	SMF	*		*				01	June 1989
SELECT OR MANUFACTURE FROM RANGE	SMFR	MFM	*		*				03	Oct 1994
SENSITIVITY INDICATOR	SIN	SIN				*	*		02	May 1992

## SPECIFICATION 2000M

### SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1	1	1	2	3	4	5	
			ABC							
SERIAL NUMBER	SN	SER					*	*		02 May 1992
SERVICE	S	SRV	*							01 April 1991
SHELF LIFE CODE	SLC	SLC	*							00 July 1988
SHIP TO	ST	SIP					*			00 May 1992
SHIP TO/UNC	STUN	SIU					*			00 May 1992
SHIPMENT/CONSIGNMENT NUMBER	SCN	SCN					*			01 May 1992
SHIPPED FROM	SF	SHF				*	*	*		01 May 1992
SHIPPED FROM/UNC	SFUNC	SHU				*	*	*		01 May 1992
SHIPPING METHOD	SM	SHM				*	*			02 May 1992
SIZE OF PACKAGED UNIT	SPU	SPU	*							01 May 1992
SIZE OF UNPACKAGED UNIT	SUU	SUU	*							02 May 1992
SOLD-TO	STO	STO					*	*		01 May 1992
SOLD-TO/UNC	STUNC	STU					*	*		01 May 1992
SOURCE MAINTENANCE RECOVERABILITY	SMR	SMR	*	*						05 Oct 1997
SPARE PARTS CLASSIFICATION	SPC	SPC	*							01 May 1992
SPECIAL STORAGE	SS	STR	*							00 July 1988
STANDARD PACKAGE QUANTITY	SPQ	SPQ	*		*	*				01 June 1989
STATE OF MANUFACTURE	SOM	SOM					*			02 May 1992
STATUS/ADVICE CODE	SAC	SAC				*	*	*	*	03 Oct 1996
STATUS INQUIRY NUMBER	SQN	SQN				*	*			00 May 1992
STOCK BALANCE	SBA	SBA						*		00 May 1992
SUBJECT IDENTIFICATION	SI	SID	*	*						01 May 1992

## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
SUBJECT NATO STOCK NUMBER	SNSN	SNS	*	*					02	May 1992
SUPPLEMENTARY ADDRESS	SADD	SAD				*	*	*	01	May 1992
SUPPLEMENTARY ADDRESS/ UNC	SAUNC	SAU				*	*	*	01	May 1992
SUPPLIER	SUS	SUS				*	*	*	01	May 1992
SUPPLIER/UNC	SUUNC	SRU				*	*	*	01	May 1992
SUPPLY MANAGEMENT BRANCH INDICATOR	SMBI	SMB				*	*	*	01	May 1992
TAX CODE	TC	TAC				*	*	*	02	May 1992
TAX CODE/CURRENCY CODE	TACC	TCC				*	*		00	May 1992
TAX PERCENTAGE RATE	TPR	TPR				*	*	*	00	May 1992
TAX PERCENTAGE RATE/ CURRENCY CODE	TPRC	TRC				*	*		00	May 1992
TAX POINT DATE	TPD	TPD						*	01	May 1992
TAX VALUE	TV	TAV				*	*		01	May 1992
TAX VALUE/CURRENCY CODE	TVCC	TAU				*	*		00	May 1992
TEI IDENTITY IDENTIFIER	TEI	TEI				*	*		* 01	May 1992
TIME BETWEEN OVERHAULS	TBO	TBO	*						02	Oct 1994
TIME BETWEEN OVERHAULS/ TCIBO	TBOI	TBI	*						00	May 1992
TIME BETWEEN SCHEDULED SHOP VISITS	TBSSV	TSV	*						02	Oct 1994
TIME BETWEEN SCHEDULED SHOP VISITS/TCISV	TBSSI	TSI	*						01	Oct 1994
TIME/CYCLE INDICATOR/AL	TCIAL	TCA	*						02	May 1992
TIME/CYCLE INDICATOR/MTBF	TCIBF	TCM	*						01	May 1992

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## SORT: DATA ELEMENT NAME

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			A	B	C						
TIME/CYCLE INDICATOR/TBO	TCIBO	TCO	*							01	May 1992
TIME/CYCLE INDICATOR/TBSSV	TCISV	TCS	*							01	May 1992
TOTAL LIFE	TL	TLF	*							02	May 1992
TOTAL LINE VALUE	TLI	TLI				*	*			01	May 1992
TOTAL LINE VALUE/ CURRENCY CODE	TLICC	TLC				*	*			00	May 1992
TOTAL NUMBER OF CASES	TNC	TNC					*			00	July 1988
TOTAL QUANTITY	TQ	TQY	*							01	May 1992
TOTAL QUANTITY PER LOCATION	TQPL	TQL	*							02	May 1992
TRANSMITTER OF DATA	TOD	TOD	*	*						01	May 1992
TYPE OF PRICE	TOP	TOP	*			*	*	*		02	Oct 1994
TYPE OF PRICE/CURRENCY CODE	TPC	TPC				*	*			00	May 1992
TYPE OF SUPPLY	TOS	TOS					*	*		00	July 1988
ULTIMATE DESTINATION CODE	UDC	UDC				*	*			01	May 1992
ULTIMATE DESTINATION CODE/UNC	UDCNC	UDU				*	*			01	May 1992
UNIT OF ISSUE	UI	UOI	*	*	*	*	*	*	*	04	Oct 1996
UNIT OF MEASURE	UM	UOM	*	*	*	*	*	*	*	02	Oct 1996
UNIT PRICE	UP	UPR	*			*	*	*		02	May 1992
USABLE ON CODE ASSEMBLY	UOCA	UCA	*	*						03	May 1992
USABLE ON CODE EQUIPMENT	UOCE	UCE	*	*						01	April 1991
USER (NATION) CODE	UNC	USR				*	*	*	*	02	Oct 1996
VOLUME OF CONSIGNMENT	VOC	VOC					*			00	July 1988
WEIGHT OF CONSIGNMENT	WOC	WOC					*			00	July 1988

**SORT: DATA ELEMENT NAME**

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			A	B	C						
WEIGHT OF PACKAGED UNIT	WPU	WPU	*							00	July 1988
WEIGHT OF UNPACKAGED UNIT	WUU	WUU	*							00	July 1988
100-OFF FIGURE	HOF	HOF						*		00	May 1992

BLANK

**SECTION A1-2-2**

**CROSS-REFERENCE LIST**

**ABBREVIATION TO DATA ELEMENT NAME/TEI**



BLANK

SORT: ABBREVIATION

## DATA DICTIONARY

## LIST OF DATA ELEMENTS

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4			
ADDRESSEE	A	ADD	*	*						01	May 1992
ADJUSTABLE COST	AC	ACO				*	*	*		01	May 1992
ADJUSTABLE COST DETAILS	ACA	ACA				*	*	*		01	May 1992
ADJUSTABLE COST CODE	ACC	ACC				*	*	*		01	May 1992
ADJUSTABLE COST DESCRIPTION	ACS	ACS				*	*	*		00	May 1992
AGERD NUMBER	AGERD	AGE				*	*			01	May 1992
AUTHORIZED LIFE	AL	AUL	*							02	May 1992
AUTHORIZED LIFE/TCIAL	ALI	ALI	*							00	May 1992
AMENDMENT NUMBER	AMN	AMN					*			00	May 1992
AUTHORIZED POOL QUANTITY	APQ	APQ						*		00	May 1992
ATTACHING, STORAGE OR SHIPPING PART	ASSP	ASP	*	*						00	July 1988
ACTION CODE	ATC	ATC							*	02	May 1992
AGENTS TAX REGISTRATION NUMBER	ATRN	AGN						*		00	May 1992
AGENTS TAX REGISTRATION NUMBER/UNC	ATRNU	AGU						*		00	May 1992
ADDITIVE UNIT PRICE	AUP	AUP				*	*			01	May 1992
ADDITIVE UNIT PRICE/CURRENCY CODE	AUPC	AUC				*	*			01	May 1992
BILL OF LADING NUMBER	BOLN	BOL					*			00	July 1988
CUSTOMER PRICE LIST (CPL) ADDENDUM/AMENDMENT NUMBER	CAA	CAA				*	*	*		02	May 1992

# SPECIFICATION 2000M

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4	5	
CONTRACTOR'S ACCOUNT NUMBER	CAC	CAC						*		02 Oct 1996
CHANGE AUTHORITY NUMBER	CAN	CAN	*		*	*	*			01 May 1992
CARRIER	CAR	CAR						*		01 May 1992
CARRIER/UNC	CAUNC	CAU				*	*			01 May 1992
CONTRACTOR'S BANK CODE	CBC	CBC						*		01 May 1992
CONTRACTOR'S BANK DETAILS	CBU	CBU						*		00 May 1992
CURRENCY CODE	CC	CUR	*		*	*	*			01 May 1992
CONTRACTOR/CUSTOMER INDICATOR	CCI	CCI				*	*	*		00 May 1992
CONTRACTUAL DELIVERY DATE	CDD	CDD					*	*		02 Oct 1994
CONSUMPTION DATA REQUEST NUMBER	CDR	CDR						*		00 May 1992
CHANGE CODE	CHG	CHG	*	*		*	*		*	03 Oct 1994
CATEGORY 1 CONTAINER IDENTIFICATION	CICI	CTI	*		*					01 May 1992
CATEGORY 1 CONTAINER LOCATION	CICL	CTL	*		*					01 May 1992
CALIBRATION MARKER	CM	CMK	*		*					01 May 1992
CASE NUMBER	CN	CNO						*		00 July 1988
COMMAND CODE	COC	COC				*	*	*	*	03 Oct 1994
CONTRACTOR	CON	CON				*	*	*	*	01 May 1992
CONTRACTOR/UNC	CONC	COU				*	*	*	*	01 May 1992
COUNTRY OF ORIGIN	COO	COR						*		01 May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4			
COPRODUCER	COP	COP				*	*	*		00	May 1992
CONTRACTOR TAX REGISTRATION NUMBER/UNC	COTRC	TOU						*		00	May 1992
CONTRACTOR TAX REGISTRATION NUMBER	COTRN	TRO						*		00	May 1992
CONSUMPTION PERIOD	CPD	CPD						*		00	May 1992
CUSTOMER PRICE LIST (CPL) EFFECTIVE DATE	CPLED	CEF				*				00	July 1988
CUSTOMER PRICE LIST (CPL) REFERENCE NUMBER	CPLRN	CRE				*	*	*		01	May 1992
CUSTOMER PRICE LIST (CPL) EXPIRY DATE	CPLXD	CEX				*				00	July 1988
COPRODUCER/UNC	CPU	CPU				*	*	*		00	May 1992
CONSUMPTION RATE	CR	CSR	*							01	May 1992
CONTRACTOR REPAIR TURNAROUND TIME	CRTT	CRT	*							02	Oct 1994
CATALOGUE SEQUENCE NUMBER	CSN	CSN	*	*	*					03	Oct 1996
CURE DATE	CUD	CUD					*			02	May 1992
CUSTOMER	CUS	CUS				*	*	*	*	01	May 1992
CUSTOMER TAX REGISTRATION NUMBER/UNC	CUTRC	TUU				*	*	*		00	May 1992
CUSTOMER TAX REGISTRATION NUMBER	CUTRN	TRU				*	*	*		00	May 1992
CUSTOMER/UNC	CUUNC	CUU				*	*	*	*	01	May 1992
DELIVERY DATE	DD	DEL				*	*	*		01	May 1992
DESCRIPTION FOR LOCATION	DFL	DFL	*	*						02	Oct 1997

## SPECIFICATION 2000M

### SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			A	B	C						
DESCRIPTION FOR PART	DFP	DFP	*	*	*					02	Oct 1997
DELIVERY AND INSPECTION NOTE NUMBER	DINN	DIN					*	*		01	May 1992
DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	DIOU	DIU					*	*		00	May 1992
DOMESTIC MANAGEMENT CODE	DMC	DMC	*			*	*			00	July 1988
DIVERSION NUMBER	DN	DNO					*			00	July 1988
PAYMENT DATE	DP	DPY						*		00	May 1992
DOWN/PROGRESS PAYMENT PERCENTAGE RATE	DPPPR	DPC						*		01	May 1992
DELIVERY POINT	DPT	DPT				*	*			00	July 1988
DOWN/PROGRESS PAYMENT VALUE	DPV	DPV						*		01	May 1992
DATA RELEASE DATE	DRD	DRD	*	*						01	May 1992
DATA RELEASE REFERENCE	DRR	DRR	*							05	Oct 1996
DATA RELEASE SEQUENCE NUMBER	DRSN	DRS	*	*						03	May 1992
DUES IN	DUI	DUI						*		00	May 1992
DUES OUT	DUO	DUO						*		00	May 1992
EFFECTIVITY	E	EFY	*	*						03	May 1992
ESSENTIALITY CODE	EC	ESC	*							01	Oct 1994
EVIDENCE CONTROL CODE	ECC	ECC				*	*	*	*	02	Oct 1996
ECONOMIC CONDITIONS	ECO	ECO				*	*	*		01	May 1992
ECONOMIC CONDITIONS/ CURRENCY CODE	ECOC	EOC				*	*			00	May 1992
ESCALATION FACTOR	EF	ESF						*		01	May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE	
			1 A	1 B	1 C	2	3				4
ESCALATION FACTOR/ CURRENCY CODE	EFCC	ESR						*	00	May 1992	
EXCHANGE RATE	ER	EXR				*	*	*	01	May 1992	
ERROR CODE	ERC	ERC							*	02	May 1992
EXCHANGE RATE/ CURRENCY CODE	ERCC	EXU				*	*	*	00	May 1992	
EXCHANGE RATE TYPE	ERT	ERT				*	*	*	01	May 1992	
ELECTROSTATIC SENSITIVE DEVICE	ESD	ESD	*						01	May 1992	
EARLIEST TIME FOR COLLECTION	ETC	ETC				*			00	July 1988	
ESCALATION VALUE	EV	ESV						*	01	May 1992	
ESCALATION VALUE/ CURRENCY CODE	EVCC	ESY						*	00	May 1992	
EXCHANGE CURRENCY CODE	EXCC	EXC				*	*	*	02	May 1992	
FITMENT CODE	FC	FTC	*	*					01	May 1992	
FORECAST DELIVERY DATE	FDD	FDD				*	*		02	May 1992	
FILE IDENTIFIER	FI	FID	*	*	*				01	May 1992	
GOVERNMENT QUALITY ASSURANCE AND CONTROL	GQAC	GQA				*			01	May 1992	
HAZARDOUS MATERIAL	HM	HAZ	*	*	*	*			01	April 1991	
HASTENING NUMBER	HNO	HNO				*			00	May 1992	
100-OFF FIGURE	HOF	HOF						*	00	May 1992	
INDENTURE	I	IND	*	*					00	July 1988	
ILLUSTRATION AFFECTED INDICATOR	IAI	IAI	*						00	July 1988	
INVOICE CATEGORY	IC	ICA						*	01	May 1992	

## SPECIFICATION 2000M

### SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3			
INTERCHANGEABILITY	ICY	ICY	*	*	*	*			02	Oct 1996
INVOICE DATE	ID	IDT					*	*	01	May 1992
INVOICE DELIVERY LINE VALUE NETT/CURRENCY CODE	IDLVC	IDC					*		00	May 1992
INVOICE DELIVERY LINE VALUE NETT	IDLVN	IDV					*		00	May 1992
INTEGRATED LOGISTIC SUPPORT NUMBER	ILSN	ILS	*	*					00	April 1991
INVOICE NUMBER	IN	INR					*	*	02	May 1992
ITEM NAME CODE	INC	INC	*	*					01	May 1992
INVOICE TYPE	INT	INT					*		01	May 1992
INVOICE ORDER LINE VALUE NETT	IOLVN	IOV					*		00	May 1992
INITIAL PROVISIONING PROJECT NUMBER	IPPN	IPP	*	*	*	*			01	May 1992
INITIAL PROVISIONING PROJECT NUMBER SUBJECT	IPPNS	IPS	*	*	*				01	May 1992
ISSUE STANDARD	IS	ISS	*						03	Oct 1994
INVOICE SENDER	ISE	ISO					*	*	00	May 1992
ITEM SEQUENCE NUMBER	ISN	ISN	*	*					03	Oct 1996
INVOICE SENDER/UNC	ISUNC	ISU					*	*	00	May 1992
INVOICE TO	ITO	ITO					*	*	01	May 1992
INVOICE TOTAL TAX VALUE	ITTV	ITX					*		01	May 1992
INVOICE TO/UNC	ITUNC	ITU					*	*	01	May 1992
INVOICE TOTAL VALUE GROSS	ITVG	ITL					*		00	May 1992
INVOICE TOTAL VALUE NETT	ITVN	IGV					*		01	May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER							A P 2	REV	DATE
			1	1	1	2	3	4	5			
			A	B	C							
ITEM TYPE	ITY	ITY	*			*	*				03	Oct 1997
KEYWORD	K	KEY				*	*				01	May 1992
KEY DATA UNITS	KDU	KDU								*	02	Oct 1994
LANGUAGE CODE	LC	LGE	*	*	*						01	June 1989
LETTER OF CREDIT NUMBER	LCN	LOC						*			01	May 1992
MODEL IDENTIFICATION	MI	MOI	*	*	*	*	*		*		05	Oct 1997
MESSAGE IDENTIFIER	MID	MID								*	00	May 1992
MAINTENANCE PERCENT	MP	MAP	*								01	May 1992
MESSAGE REFERENCE NUMBER	MRN	MRN								*	00	May 1992
MINIMUM SALES QUANTITY	MSQ	MSQ	*			*	*				01	May 1992
MESSAGE TYPE	MT	MTP	*	*						*	02	May 1992
MEAN TIME BETWEEN FAILURES	MTBF	TBF	*								03	Oct 1994
MEAN TIME BETWEEN FAILURES/ TCIBF	MTBFI	MTI	*								01	Oct 1994
MODEL VERSION	MV	MOV	*		*						02	Oct 1994
NOT ILLUSTRATED	NI	NIL	*		*						02	Oct 1994
NATO ITEM IDENTIFICATION NUMBER	NIIN	NIN	*	*	*	*	*	*	*		01	May 1992
NOTICOL NUMBER	NNR	NNR					*				00	July 1988
NOTICOL ORIGINATOR	NO	NOR					*				01	May 1992
NOTICOL ORIGINATOR/UNC	NOUNC	NOU					*				01	May 1992
NATO SUPPLY CLASS	NSC	NSC	*	*	*	*	*	*	*		01	May 1992
NATO SUPPLY CODE FOR MANUFACTURERS	NSCM	MFC	*	*	*	*	*	*	*		01	May 1992



## SPECIFICATION 2000M

### SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
NATO SUPPLY CODE FOR MANUFACTURERS/UNC	NSCUC	MFU				*	*	*	01	May 1992
NATO STOCK NUMBER	NSN	NSN	*	*	*	*	*	*	03	May 1992
OWN BRANCH INDICATOR	OBI	OBI					*		00	May 1992
OBSERVATION	OBS	OBS	*	*					02	April 1991
ORDER NUMBER	ODN	IPO				*	*	*	00	May 1992
OFFSET VALUE	OFV	OFV					*		01	May 1992
ORIGINAL INVOICE DATE	OID	OID					*		01	May 1992
ORIGINAL INVOICE NUMBER	OIN	OIN					*		02	May 1992
ORIGINAL INVOICE TOTAL TAX VALUE	OITTV	TTV					*		01	May 1992
ORIGINAL INVOICE TOTAL VALUE GROSS	OITVG	OGG					*		00	May 1992
ORIGINAL INVOICE TOTAL VALUE NETT	OITVN	OGV					*		01	May 1992
OFFSET PERCENTAGE RATE	OPR	OPR					*		01	May 1992
ORIGINATOR REFERENCE NUMBER	ORN	ORN				*	*	*	01	May 1992
ORIGINATOR	ORT	ORT				*	*	*	00	May 1992
ORIGINATOR REFERENCE NUMBER/ORT/UNC	ORU	ORU				*	*	*	00	May 1992
OBSERVATION SEQUENCE NUMBER	OSN	OSN	*	*					02	May 1992
PERIODIC ARISING FORECAST	PAF	PAF						*	00	May 1992
PRICE BREAK DATA	PBD	PBD	*			*	*		03	May 1992
PROCUREMENT BUDGET NUMBER	PBN	PBN					*	*	01	May 1992
PRICE CATEGORY	PC	PCA				*	*	*	01	May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER							A P 2	REV	DATE
			1	1	1	2	3	4	5			
			A	B	C							
PRICE CONDITION	PCC	PCO				*	*	*			01	May 1992
PROCUREMENT CODE	PCD	PCD	*				*				05	Oct 1997
PRIME CONTRACT NUMBER	PCN	PCN				*	*	*	*		01	May 1992
PROVISIONING CATEGORY	PCY	PCY					*				02	May 1992
PERIOD END DATE	PED	PED						*	*		00	May 1992
POOL ITEM CANDIDATE	PIC	PIC	*								00	July 1988
PREVIOUS KEY DATA	PKD	PKD				*	*				00	May 1992
PACKAGING LEVEL CODE	PLC	PLC	*			*	*	*			02	Oct 1997
PURCHASING LEAD TIME	PLT	PLT	*			*	*				01	April 1991
PART NUMBER	PN	PNR	*	*	*	*	*	*	*		02	May 1992
PERIODIC ORDER FORECAST	POF	POF						*			00	May 1992
PERIOD OF PERFORMANCE	POP	POP						*			00	May 1992
PROGRESS/PAYMENT MILESTONE NUMBER	PPMN	PPM				*	*				00	May 1992
PROGRESS/PAYMENT PLAN IDENTIFIER	PPPI	PPI				*	*				00	May 1992
PICK-UP POINT - CODED ADDRESS/ UNC	PPUNC	CDU				*					02	May 1992
PRIORITY REQUIREMENT	PR	PTY				*					01	May 1992
PAYMENT STATUS ADVICE NUMBER	PSAN	PAN					*				00	May 1992
PERIOD START DATE	PSD	PSD					*	*			00	May 1992
PHYSICAL SECURITY/PILFERAGE CODE	PSPC	PSC	*								02	May 1992
PAYMENT TERMS	PT	PYT					*				00	July 1988
PICK-UP POINT - CODED ADDRESS	PUPC	CAD				*					01	May 1992

## SPECIFICATION 2000M

### SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4	5	
PICK-UP POINT - FULL ADDRESS	PUPF	PUP					*			00 July 1988
QUOTATION DATE	QD	QDT				*	*			01 May 1992
QUOTATION EXPIRY DATE	QED	QED				*	*			00 July 1988
QUOTATION NUMBER	QNO	QNO				*	*			01 May 1992
QUANTITY PER NEXT HIGHER ASSEMBLY	QPNHA	QNA	*	*						01 May 1992
QUANTITY PER UNIT OF ISSUE	QPUI	QUI	*	*	*	*	*	*	*	02 May 1992
QUOTATION TARGET DATE	QTT	QTT				*	*			00 July 1988
QUANTITY	QTY	QTY	*			*	*	*	*	01 May 1992
QUOTATION VALIDITY PERIOD	QVP	QVP				*	*			01 May 1992
REPAIR ARISING TRANSMISSION NUMBER	RAT	RAT						*		00 May 1992
RECOMMENDED ORDER QUANTITY	RCQ	RCQ						*		00 May 1992
REFERENCE DESIGNATOR	RD	RFD	*	*						00 July 1988
REQUIRED DELIVERY DATE	RDD	RDD				*	*			01 May 1992
RECEIPT DATE	RDT	RDT				*				00 May 1992
REPAIR DUES IN	RDU	RDU						*		00 May 1992
REMARKS	REM	REM				*	*	*	*	* 00 July 1988
REASON FOR SELECTION	RFS	RFS	*							00 July 1988
RECOMMENDED MAINTENANCE QUANTITY	RMQ	RMQ	*							01 May 1992
REFERENCE NUMBER CATEGORY CODE	RNCC	RNC	*	*						01 May 1992
REFERENCE NUMBER JUSTIFICATION CODE	RNJC	RNJ	*	*						02 May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER							A P 2	REV	DATE
			1	1	1	2	3	4	5			
			A	B	C							
REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	RNSCM	RMF	*			*					01	May 1992
REPLACING NATO SUPPLY CODE FOR MFR'S/UNC	RNSCU	RMU				*					01	May 1992
REPLACING NATO STOCK NUMBER	RNSN	RNS				*					01	May 1992
REFERENCE NUMBER VARIATION CODE	RNVC	RNV	*	*							01	May 1992
RECOMMENDED OVERHAUL/ REPAIR QUANTITY	ROQ	ROQ	*								01	May 1992
REPLACING PART NUMBER	RPN	RPP	*			*					01	May 1992
REQUEST NUMBER	RQN	RQN				*	*				00	May 1992
REQUEST FOR QUOTATION REPEAT COUNTER	RQRC	RQC				*					00	May 1992
REFER TO	RT	RTX	*		*						02	May 1992
REPLACING UNIT OF ISSUE	RUI	RUI				*					02	May 1992
SERVICE	S	SRV	*								01	April 1991
STATUS/ADVICE CODE	SAC	SAC				*	*	*	*		03	Oct 1996
SUPPLEMENTARY ADDRESS	SADD	SAD				*	*	*	*		01	May 1992
SUPPLEMENTARY ADDRESS/ UNC	SAUNC	SAU				*	*	*	*		01	May 1992
STOCK BALANCE	SBA	SBA							*		00	May 1992
SHIPMENT/CONSIGNMENT NUMBER	SCN	SCN				*					01	May 1992
SEGMENT LEVEL	SEL	SEL				*	*	*			00	May 1992
SEGMENT SEQUENCE NUMBER	SEN	SEN				*	*	*			00	May 1992
SHIPPED FROM	SF	SHF				*	*	*			01	May 1992
SHIPPED FROM/UNC	SFUNC	SHU				*	*	*			01	May 1992
SEGMENT CODE IDENTITY	SGT	SGT								*	00	July 1988

## SPECIFICATION 2000M

### SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1	1	1	2	3			
			ABC							
SUBJECT IDENTIFICATION	SI	SID	*	*					01	May 1992
SENSITIVITY INDICATOR	SIN	SIN				*	*		02	May 1992
SEARCH KEY CODE	SKC	SKC			*				01	April 1991
SHELF LIFE CODE	SLC	SLC	*						00	July 1988
SEGMENT LEVEL KEY	SLK	SLK				*	*	*	00	May 1992
SHIPPING METHOD	SM	SHM				*	*		02	May 1992
SUPPLY MANAGEMENT BRANCH INDICATOR	SMBI	SMB				*	*	*	01	May 1992
SELECT OR MANUFACTURE FROM IDENTIFIER	SMFI	SMF	*	*					01	June 1989
SELECT OR MANUFACTURE FROM RANGE	SMFR	MFM	*	*					03	Oct 1994
SOURCE MAINTENANCE RECOVERABILITY	SMR	SMR	*	*					05	Oct 1997
SERIAL NUMBER	SN	SER				*	*		02	May 1992
SUBJECT NATO STOCK NUMBER	SNSN	SNS	*	*					02	May 1992
STATE OF MANUFACTURE	SOM	SOM				*			02	May 1992
SPARE PARTS CLASSIFICATION	SPC	SPC	*						01	May 1992
STANDARD PACKAGE QUANTITY	SPQ	SPQ	*		*	*			01	June 1989
SIZE OF PACKAGED UNIT	SPU	SPU	*						01	May 1992
STATUS INQUIRY NUMBER	SQN	SQN				*	*		00	May 1992
SCRAP RATE	SR	SRA	*					*	01	Oct 1994
SPECIAL STORAGE	SS	STR	*						00	July 1988
SHIP TO	ST	SIP				*			00	May 1992
SOLD-TO	STO	STO				*	*		01	May 1992

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
SHIP TO/UNC	STUN	SIU					*		00	May 1992
SOLD-TO/UNC	STUNC	STU					*	*	01	May 1992
SUPPLIER	SUS	SUS				*	*	*	01	May 1992
SIZE OF UNPACKAGED UNIT	SUU	SUU	*						02	May 1992
SUPPLIER/UNC	SUUNC	SRU				*	*	*	01	May 1992
TAX CODE/CURRENCY CODE	TACC	TCC				*	*		00	May 1992
TIME BETWEEN OVERHAULS	TBO	TBO	*						02	Oct 1994
TIME BETWEEN OVERHAULS/ TCIBO	TBOI	TBI	*						00	May 1992
TIME BETWEEN SCHEDULED SHOP VISITS/TCISV	TBSSI	TSI	*						01	Oct 1994
TIME BETWEEN SCHEDULED SHOP VISITS	TBSSV	TSV	*						02	Oct 1994
TAX CODE	TC	TAC				*	*	*	02	May 1992
TIME/CYCLE INDICATOR/AL	TCIAL	TCA	*						02	May 1992
TIME/CYCLE INDICATOR/MTBF	TCIBF	TCM	*						01	May 1992
TIME/CYCLE INDICATOR/TBO	TCIBO	TCO	*						01	May 1992
TIME/CYCLE INDICATOR/TBSSV	TCISV	TCS	*						01	May 1992
TEI IDENTITY IDENTIFIER	TEI	TEI				*	*	*	01	May 1992
TOTAL LIFE	TL	TLF	*						02	May 1992
TOTAL LINE VALUE	TLI	TLI				*	*		01	May 1992
TOTAL LINE VALUE/ CURRENCY CODE	TLICC	TLC				*	*		00	May 1992
TOTAL NUMBER OF CASES	TNC	TNC				*			00	July 1988
TRANSMITTER OF DATA	TOD	TOD	*	*					01	May 1992

# SPECIFICATION 2000M

## SORT: ABBREVIATION

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
TYPE OF PRICE	TOP	TOP	*			*	*	*	02	Oct 1994
TYPE OF SUPPLY	TOS	TOS					*	*	00	July 1988
TYPE OF PRICE/CURRENCY CODE	TPC	TPC				*	*		00	May 1992
TAX POINT DATE	TPD	TPD						*	01	May 1992
TAX PERCENTAGE RATE	TPR	TPR				*	*	*	00	May 1992
TAX PERCENTAGE RATE/ CURRENCY CODE	TPRC	TRC				*	*		00	May 1992
TOTAL QUANTITY	TQ	TQY	*						01	May 1992
TOTAL QUANTITY PER LOCATION	TQPL	TQL	*						02	May 1992
TAX VALUE	TV	TAV				*	*		01	May 1992
TAX VALUE/CURRENCY CODE	TVCC	TAU				*	*		00	May 1992
ULTIMATE DESTINATION CODE	UDC	UDC				*	*		01	May 1992
ULTIMATE DESTINATION CODE/ UNC	UDCNC	UDU				*	*		01	May 1992
UNIT OF ISSUE	UI	UOI	*	*	*	*	*	*	04	Oct 1996
UNIT OF MEASURE	UM	UOM	*	*	*	*	*	*	02	Oct 1996
USER (NATION) CODE	UNC	USR				*	*	*	02	Oct 1996
USABLE ON CODE ASSEMBLY	UOCA	UCA	*	*					03	May 1992
USABLE ON CODE EQUIPMENT	UOCE	UCE	*	*					01	April 1991
UNIT PRICE	UP	UPR	*			*	*	*	02	May 1992
VOLUME OF CONSIGNMENT	VOC	VOC					*		00	July 1988
WEIGHT OF CONSIGNMENT	WOC	WOC					*		00	July 1988
WEIGHT OF PACKAGED UNIT	WPU	WPU	*						00	July 1988
WEIGHT OF UNPACKAGED UNIT	WUU	WUU	*						00	July 1988

**SECTION A1-2-3**

**CROSS-REFERENCE LIST**

**TEI TO DATA ELEMENT NAME/ABBREVIATION**



BLANK

SORT: TEXT ELEMENT IDENTIFIER (TEI)

## DATA DICTIONARY

## LIST OF DATA ELEMENTS

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4			
ADJUSTABLE COST DETAILS	ACA	ACA				*	*	*		01	May 1992
ADJUSTABLE COST CODE	ACC	ACC				*	*	*		01	May 1992
ADJUSTABLE COST	AC	ACO				*	*	*		01	May 1992
ADJUSTABLE COST DESCRIPTION	ACS	ACS				*	*	*		00	May 1992
ADDRESSEE	A	ADD	*	*						01	May 1992
AGERD NUMBER	AGERD	AGE				*	*			01	May 1992
AGENTS TAX REGISTRATION NUMBER	ATRN	AGN						*		00	May 1992
AGENTS TAX REGISTRATION NUMBER/UNC	ATRNU	AGU						*		00	May 1992
AUTHORIZED LIFE TCIAL	ALI	ALI	*							00	May 1992
AMENDMENT NUMBER	AMN	AMN					*			00	May 1992
AUTHORIZED POOL QUANTITY	APQ	APQ						*		00	May 1992
ATTACHING, STORAGE OR SHIPPING PART	ASSP	ASP	*	*						00	July 1988
ACTION CODE	ATC	ATC							*	02	May 1992
ADDITIVE UNIT PRICE/ CURRENCY CODE	AUPC	AUC				*	*			01	May 1992
AUTHORIZED LIFE	AL	AUL	*							02	May 1992
ADDITIVE UNIT PRICE	AUP	AUP				*	*			01	May 1992
BILL OF LADING NUMBER	BOLN	BOL					*			00	July 1988
CUSTOMER PRICE LIST (CPL) ADDENDUM/AMENDMENT NUMBER	CAA	CAA				*	*	*		02	May 1992

# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3			
CONTRACTOR'S ACCOUNT NUMBER	CAC	CAC					*		02	Oct 1996
PICK-UP POINT - CODED ADDRESS	PUPC	CAD					*		01	May 1992
CHANGE AUTHORITY NUMBER	CAN	CAN	*	*	*	*			01	May 1992
CARRIER	CAR	CAR					*		01	May 1992
CARRIER/UNC	CAUNC	CAU				*	*		01	May 1992
CONTRACTOR'S BANK CODE	CBC	CBC					*		01	May 1992
CONTRACTOR'S BANK DETAILS	CBU	CBU					*		00	May 1992
CONTRACTOR/CUSTOMER INDICATOR	CCI	CCI				*	*	*	00	May 1992
CONTRACTUAL DELIVERY DATE	CDD	CDD					*	*	02	Oct 1994
CONSUMPTION DATA REQUEST NUMBER	CDR	CDR						*	00	May 1992
PICK-UP POINT - CODED ADDRESS/ UNC	PPUNC	CDU					*		02	May 1992
CUSTOMER PRICE LIST (CPL) EFFECTIVE DATE	CPLED	CEF				*			00	July 1988
CUSTOMER PRICE LIST (CPL) EXPIRY DATE	CPLXD	CEX				*			00	July 1988
CHANGE CODE	CHG	CHG	*	*	*	*		*	03	Oct 1994
CALIBRATION MARKER	CM	CMK	*	*					01	May 1992
CASE NUMBER	CN	CNO					*		00	July 1988
COMMAND CODE	COC	COC				*	*	*	03	Oct 1994
CONTRACTOR	CON	CON				*	*	*	01	May 1992
COPRODUCER	COP	COP				*	*	*	00	May 1992

**SORT: TEXT ELEMENT IDENTIFIER (TEI)**

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					P	REV	DATE
			1	1	1	2	3	4		
			A	B	C				2	
COUNTRY OF ORIGIN	COO	COR						*	01	May 1992
CONTRACTOR/UNC	CONC	COU				*	*	*	01	May 1992
CONSUMPTION PERIOD	CPD	CPD						*	00	May 1992
COPRODUCER/UNC	CPU	CPU				*	*	*	00	May 1992
CUSTOMER PRICE LIST (CPL) REFERENCE NUMBER	CPLRN	CRE				*	*	*	01	May 1992
CONTRACTOR REPAIR TURNAROUND TIME	CRTT	CRT	*						02	Oct 1994
CATALOGUE SEQUENCE NUMBER	CSN	CSN	*	*	*				03	Oct 1996
CONSUMPTION RATE	CR	CSR	*						01	May 1992
CATEGORY 1 CONTAINER IDENTIFICATION	CICI	CTI	*	*					01	May 1992
CATEGORY 1 CONTAINER LOCATION	CICL	CTL	*	*					01	May 1992
CURE DATE	CUD	CUD					*		02	May 1992
CURRENCY CODE	CC	CUR	*			*	*	*	01	May 1992
CUSTOMER	CUS	CUS				*	*	*	01	May 1992
CUSTOMER/UNC	CUUNC	CUU				*	*	*	01	May 1992
DELIVERY DATE	DD	DEL					*	*	01	May 1992
DESCRIPTION FOR LOCATION	DFL	DFL	*	*					02	Oct 1997
DESCRIPTION FOR PART	DFP	DFP	*	*	*				02	Oct 1997
DELIVERY AND INSPECTION NOTE NUMBER	DINN	DIN					*	*	01	May 1992
DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	DIOU	DIU					*	*	00	May 1992
DOMESTIC MANAGEMENT CODE	DMC	DMC	*			*	*		00	July 1988

# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1	1	1	2	3	4	5	
			ABC							
DIVERSION NUMBER	DN	DNO						*		00 July 1988
DOWN/PROGRESS PAYMENT PERCENTAGE RATE	DPPPR	DPC						*		01 May 1992
DELIVERY POINT	DPT	DPT				*	*			00 July 1988
DOWN/PROGRESS PAYMENT VALUE	DPV	DPV						*		01 May 1992
PAYMENT DATE	DP	DPY						*		00 May 1992
DATA RELEASE DATE	DRD	DRD	*	*						01 May 1992
DATA RELEASE REFERENCE	DRR	DRR	*							05 Oct 1996
DATA RELEASE SEQUENCE NUMBER	DRSN	DRS	*	*						03 May 1992
DUES IN	DUI	DUI						*		00 May 1992
DUES OUT	DUO	DUO						*		00 May 1992
EVIDENCE CONTROL CODE	ECC	ECC				*	*	*	*	02 Oct 1996
ECONOMIC CONDITIONS	ECO	ECO				*	*	*		01 May 1992
EFFECTIVITY	E	EFY	*	*						03 May 1992
ECONOMIC CONDITIONS/ CURRENCY CODE	ECOC	EOC				*	*			00 May 1992
ERROR CODE	ERC	ERC						*		02 May 1992
EXCHANGE RATE TYPE	ERT	ERT				*	*	*		01 May 1992
ESSENTIALITY CODE	EC	ESC	*							01 Oct 1994
ELECTROSTATIC SENSITIVE DEVICE	ESD	ESD	*							01 May 1992
ESCALATION FACTOR	EF	ESF						*		01 May 1992
ESCALATION FACTOR/ CURRENCY CODE	EFCC	ESR						*		00 May 1992
ESCALATION VALUE	EV	ESV						*		01 May 1992

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
ESCALATION VALUE/ CURRENCY CODE	EVCC	ESY						*	00	May 1992
EARLIEST TIME FOR COLLECTION	ETC	ETC						*	00	July 1988
EXCHANGE CURRENCY CODE	EXCC	EXC				*	*	*	02	May 1992
EXCHANGE RATE	ER	EXR				*	*	*	01	May 1992
EXCHANGE RATE/CURRENCY CODE	ERCC	EXU				*	*	*	00	May 1992
FORECAST DELIVERY DATE	FDD	FDD				*	*		02	May 1992
FILE IDENTIFIER	FI	FID	*	*	*				01	May 1992
FITMENT CODE	FC	FTC	*		*				01	May 1992
GOVERNMENT QUALITY ASSURANCE AND CONTROL	GQAC	GQA						*	01	May 1992
HAZARDOUS MATERIAL	HM	HAZ	*		*	*	*		01	April 1991
HASTENING NUMBER	HNO	HNO						*	00	May 1992
100-OFF FIGURE	HOF	HOF						*	00	May 1992
ILLUSTRATION AFFECTED INDICATOR	IAI	IAI	*						00	July 1988
INVOICE CATEGORY	IC	ICA						*	01	May 1992
INTERCHANGEABILITY	ICY	ICY	*		*	*	*		02	Oct 1996
INVOICE DELIVERY LINE VALUE NETT/CURRENCY CODE	IDLVC	IDC						*	00	May 1992
INVOICE DATE	ID	IDT				*	*		01	May 1992
INVOICE DELIVERY LINE VALUE NETT	IDLVN	IDV						*	00	May 1992
INVOICE TOTAL VALUE NETT	ITVN	IGV						*	01	May 1992
INTEGRATED LOGISTIC SUPPORT NUMBER	ILSN	ILS	*		*				00	April 1991
ITEM NAME CODE	INC	INC	*	*					01	May 1992

# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			A	B	C						
INDENTURE	I	IND	*	*						00	July 1988
INVOICE NUMBER	IN	INR					*	*		02	May 1992
INVOICE TYPE	INT	INT						*		01	May 1992
INVOICE ORDER LINE VALUE NETT	IOLVN	IOV						*		00	May 1992
ORDER NUMBER	ODN	IPO				*	*	*	*	00	May 1992
INITIAL PROVISIONING PROJECT NUMBER	IPPN	IPP	*	*		*	*			01	May 1992
INITIAL PROVISIONING PROJECT NUMBER SUBJECT	IPPNS	IPS	*	*	*					01	May 1992
ITEM SEQUENCE NUMBER	ISN	ISN	*	*						03	Oct 1996
INVOICE SENDER	ISE	ISO					*	*		00	May 1992
ISSUE STANDARD	IS	ISS	*							03	Oct 1994
INVOICE SENDER/UNC	ISUNC	ISU					*	*		00	May 1992
INVOICE TOTAL VALUE GROSS	ITVG	ITL						*		00	May 1992
INVOICE TO	ITO	ITO					*	*		01	May 1992
INVOICE TO/UNC	ITUNC	ITU					*	*		01	May 1992
INVOICE TOTAL TAX VALUE	ITTV	ITX						*		01	May 1992
ITEM TYPE	ITY	ITY	*			*	*			03	Oct 1997
KEY DATA UNITS	KDU	KDU							*	02	Oct 1994
KEYWORD	K	KEY				*	*			01	May 1992
LANGUAGE CODE	LC	LGE	*	*	*					01	June 1989
LETTER OF CREDIT NUMBER	LCN	LOC						*		01	May 1992
MAINTENANCE PERCENT	MP	MAP	*							01	May 1992
NATO SUPPLY CODE FOR MANUFACTURERS	NSCM	MFC	*	*	*	*	*	*	*	01	May 1992

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4			
SELECT OR MANUFACTURE FROM RANGE	SMFR	MFM	*	*						03	Oct 1994
NATO SUPPLY CODE FOR MANUFACTURERS/UNC	NSCUC	MFU				*	*	*	*	01	May 1992
MESSAGE IDENTIFIER	MID	MID							*	00	May 1992
MODEL IDENTIFICATION	MI	MOI	*	*	*	*	*	*		05	Oct 1997
MODEL VERSION	MV	MOV	*	*						02	Oct 1994
MESSAGE REFERENCE NUMBER	MRN	MRN							*	00	May 1992
MINIMUM SALES QUANTITY	MSQ	MSQ	*		*	*				01	May 1992
MEAN TIME BETWEEN FAILURES/ TCIBF	MTBFI	MTI	*							01	Oct 1994
MESSAGE TYPE	MT	MTP	*	*					*	02	May 1992
NOT ILLUSTRATED	NI	NIL	*	*						02	Oct 1994
NATO ITEM IDENTIFICATION NUMBER	NIIN	NIN	*	*	*	*	*	*	*	01	May 1992
NOTICOL NUMBER	NNR	NNR				*				00	July 1988
NOTICOL ORIGINATOR	NO	NOR				*				01	May 1992
NOTICOL ORIGINATOR/UNC	NOUNC	NOU				*				01	May 1992
NATO SUPPLY CLASS	NSC	NSC	*	*	*	*	*	*	*	01	May 1992
NATO STOCK NUMBER	NSN	NSN	*	*	*	*	*	*	*	03	May 1992
OWN BRANCH INDICATOR	OBI	OBI					*			00	May 1992
OBSERVATION	OBS	OBS	*	*						02	April 1991
OFFSET VALUE	OFV	OFV					*			01	May 1992
ORIGINAL INVOICE TOTAL VALUE GROSS	OITVG	OGG					*			00	May 1992



# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER						A P 2	REV	DATE
			1	1	1	2	3	4			
			ABC								
ORIGINAL INVOICE TOTAL VALUE NETT	OITVN	OGV						*		01	May 1992
ORIGINAL INVOICE DATE	OID	OID						*		01	May 1992
ORIGINAL INVOICE NUMBER	OIN	OIN						*		02	May 1992
OFFSET PERCENTAGE RATE	OPR	OPR						*		01	May 1992
ORIGINATOR REFERENCE NUMBER	ORN	ORN				*	*	*		01	May 1992
ORIGINATOR	ORT	ORT				*	*	*		00	May 1992
ORIGINATOR REFERENCE NUMBER/ORT/UNC	ORU	ORU				*	*	*		00	May 1992
OBSERVATION SEQUENCE NUMBER	OSN	OSN	*	*						02	May 1992
PERIODIC ARISING FORECAST	PAF	PAF						*		00	May 1992
PAYMENT STATUS ADVICE NUMBER	PSAN	PAN						*		00	May 1992
PRICE BREAK DATA	PBD	PBD	*			*	*			03	May 1992
PROCUREMENT BUDGET NUMBER	PBN	PBN					*	*		01	May 1992
PRICE CATEGORY	PC	PCA				*	*	*		01	May 1992
PROCUREMENT CODE	PCD	PCD	*				*			05	Oct 1997
PRIME CONTRACT NUMBER	PCN	PCN				*	*	*	*	01	May 1992
PRICE CONDITION	PCC	PCO				*	*	*		01	May 1992
PROVISIONING CATEGORY	PCY	PCY					*			02	May 1992
PERIOD END DATE	PED	PED						*	*	00	May 1992
POOL ITEM CANDIDATE	PIC	PIC	*							00	July 1988
PREVIOUS KEY DATA	PKD	PKD				*	*			00	May 1992
PACKAGING LEVEL CODE	PLC	PLC	*			*	*	*		02	Oct 1997

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
PURCHASING LEAD TIME	PLT	PLT	*			*	*		01	April 1991
PART NUMBER	PN	PNR	*	*	*	*	*	*	02	May 1992
PERIODIC ORDER FORECAST	POF	POF						*	00	May 1992
PERIOD OF PERFORMANCE	POP	POP						*	00	May 1992
PROGRESS/PAYMENT PLAN IDENTIFIER	PPPI	PPI				*	*		00	May 1992
PROGRESS/PAYMENT MILESTONE NUMBER	PPMN	PPM				*	*		00	May 1992
PHYSICAL SECURITY/PILFERAGE CODE	PSPC	PSC	*						02	May 1992
PERIOD START DATE	PSD	PSD					*	*	00	May 1992
PRIORITY REQUIREMENT	PR	PTY				*			01	May 1992
PICK-UP POINT - FULL ADDRESS	PUPF	PUP				*			00	July 1988
PAYMENT TERMS	PT	PYT					*		00	July 1988
QUOTATION DATE	QD	QDT				*	*		01	May 1992
QUOTATION EXPIRY DATE	QED	QED				*	*		00	July 1988
QUANTITY PER NEXT HIGHER ASSEMBLY	QPNHA	QNA	*	*					01	May 1992
QUOTATION NUMBER	QNO	QNO				*	*		01	May 1992
QUOTATION TARGET DATE	QTT	QTT				*	*		00	July 1988
QUANTITY	QTY	QTY	*			*	*	*	01	May 1992
QUANTITY PER UNIT OF ISSUE	QPUI	QUI	*	*	*	*	*	*	02	May 1992
QUOTATION VALIDITY PERIOD	QVP	QVP				*	*		01	May 1992
REPAIR ARISING TRANSMISSION NUMBER	RAT	RAT						*	00	May 1992
RECOMMENDED ORDER QUANTITY	RCQ	RCQ						*	00	May 1992

# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3			
REQUIRED DELIVERY DATE	RDD	RDD				*	*		01	May 1992
RECEIPT DATE	RDT	RDT					*		00	May 1992
REPAIR DUES IN	RDU	RDU						*	00	May 1992
REMARKS	REM	REM				*	*	*	*	00 July 1988
REFERENCE DESIGNATOR	RD	RFD	*	*					00	July 1988
REASON FOR SELECTION	RFS	RFS	*						00	July 1988
REPLACING NATO SUPPLY CODE FOR MANUFACTURERS	RNSCM	RMF	*		*				01	May 1992
RECOMMENDED MAINTENANCE QUANTITY	RMQ	RMQ	*						01	May 1992
REPLACING NATO SUPPLY CODE FOR MFR'S/UNC	RNSCU	RMU			*				01	May 1992
REFERENCE NUMBER CATEGORY CODE	RNCC	RNC	*	*					01	May 1992
REFERENCE NUMBER JUSTIFICATION CODE	RNJC	RNJ	*	*					02	May 1992
REPLACING NATO STOCK NUMBER	RNSN	RNS			*				01	May 1992
REFERENCE NUMBER VARIATION CODE	RNVC	RNV	*	*					01	May 1992
RECOMMENDED OVERHAUL/ REPAIR QUANTITY	ROQ	ROQ	*						01	May 1992
REPLACING PART NUMBER	RPN	RPP	*		*				01	May 1992
REQUEST FOR QUOTATION REPEAT COUNTER	RQRC	RQC			*				00	May 1992
REQUEST NUMBER	RQN	RQN			*	*			00	May 1992
REFER TO	RT	RTX	*	*					02	May 1992
REPLACING UNIT OF ISSUE	RUI	RUI			*				02	May 1992

**SORT: TEXT ELEMENT IDENTIFIER (TEI)**

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
STATUS/ADVICE CODE	SAC	SAC				*	*	*	03	Oct 1996
SUPPLEMENTARY ADDRESS	SADD	SAD				*	*	*	01	May 1992
SUPPLEMENTARY ADDRESS/ UNC	SAUNC	SAU				*	*	*	01	May 1992
STOCK BALANCE	SBA	SBA						*	00	May 1992
SHIPMENT/CONSIGNMENT NUMBER	SCN	SCN				*			01	May 1992
SEGMENT LEVEL	SEL	SEL				*	*	*	00	May 1992
SEGMENT SEQUENCE NUMBER	SEN	SEN				*	*	*	00	May 1992
SERIAL NUMBER	SN	SER				*		*	02	May 1992
SEGMENT CODE IDENTITY	SGT	SGT						*	00	July 1988
SHIPPED FROM	SF	SHF				*	*	*	01	May 1992
SHIPPING METHOD	SM	SHM				*	*		02	May 1992
SHIPPED FROM/UNC	SFUNC	SHU				*	*	*	01	May 1992
SUBJECT IDENTIFICATION	SI	SID	*	*					01	May 1992
SENSITIVITY INDICATOR	SIN	SIN				*	*		02	May 1992
SHIP TO	ST	SIP				*			00	May 1992
SHIP TO/UNC	STUN	SIU				*			00	May 1992
SEARCH KEY CODE	SKC	SKC			*				01	April 1991
SHELF LIFE CODE	SLC	SLC	*						00	July 1988
SEGMENT LEVEL KEY	SLK	SLK				*	*	*	00	May 1992
SUPPLY MANAGEMENT BRANCH INDICATOR	SMBI	SMB				*	*	*	01	May 1992
SELECT OR MANUFACTURE FROM IDENTIFIER	SMFI	SMF	*	*					01	June 1989

## SPECIFICATION 2000M

### SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1	1	1	2	3			
			ABC							
SOURCE MAINTENANCE RECOVERABILITY	SMR	SMR	*	*					05	Oct 1997
SUBJECT NATO STOCK NUMBER	SNSN	SNS	*	*					02	May 1992
STATE OF MANUFACTURE	SOM	SOM				*			02	May 1992
SPARE PARTS CLASSIFICATION	SPC	SPC	*						01	May 1992
STANDARD PACKAGE QUANTITY	SPQ	SPQ	*	*	*				01	June 1989
SIZE OF PACKAGED UNIT	SPU	SPU	*						01	May 1992
STATUS INQUIRY NUMBER	SQN	SQN		*	*				00	May 1992
SCRAP RATE	SR	SRA	*				*		01	Oct 1994
SUPPLIER/UNC	SUUNC	SRU		*	*	*			01	May 1992
SERVICE	S	SRV	*						01	April 1991
SOLD-TO	STO	STO			*	*			01	May 1992
SPECIAL STORAGE	SS	STR	*						00	July 1988
SOLD-TO/UNC	STUNC	STU			*	*			01	May 1992
SUPPLIER	SUS	SUS		*	*	*			01	May 1992
SIZE OF UNPACKAGED UNIT	SUU	SUU	*						02	May 1992
TAX CODE	TC	TAC		*	*	*			02	May 1992
TAX VALUE/CURRENCY CODE	TVCC	TAU		*	*				00	May 1992
TAX VALUE	TV	TAV		*	*				01	May 1992
MEAN TIME BETWEEN FAILURES	MTBF	TBF	*						03	Oct 1994
TIME BETWEEN OVERHAULS/ TCIBO	TBOI	TBI	*						00	May 1992
TIME BETWEEN OVERHAULS	TBO	TBO	*						02	Oct 1994
TIME/CYCLE INDICATOR/AL	TCIAL	TCA	*						02	May 1992

**SORT: TEXT ELEMENT IDENTIFIER (TEI)**

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					P	REV	DATE
			1	1	1	2	3			
			A	B	C			2		
TAX CODE/CURRENCY CODE	TACC	TCC				*	*		00	May 1992
TIME/CYCLE INDICATOR/MTBF	TCIBF	TCM	*						01	May 1992
TIME/CYCLE INDICATOR/TBO	TCIBO	TCO	*						01	May 1992
TIME/CYCLE INDICATOR/TBSSV	TCISV	TCS	*						01	May 1992
TEI IDENTITY IDENTIFIER	TEI	TEI				*	*	*	01	May 1992
TOTAL LINE VALUE/CURRENCY CODE	TLICC	TLC				*	*		00	May 1992
TOTAL LIFE	TL	TLF	*						02	May 1992
TOTAL LINE VALUE	TLI	TLI				*	*		01	May 1992
TOTAL NUMBER OF CASES	TNC	TNC				*			00	July 1988
TRANSMITTER OF DATA	TOD	TOD	*	*					01	May 1992
TYPE OF PRICE	TOP	TOP	*			*	*	*	02	Oct 1994
TYPE OF SUPPLY	TOS	TOS				*	*		00	July 1988
CONTRACTOR TAX REGISTRATION NUMBER/UNC	COTRC	TOU				*			00	May 1992
TYPE OF PRICE/CURRENCY CODE	TPC	TPC				*	*		00	May 1992
TAX POINT DATE	TPD	TPD				*			01	May 1992
TAX PERCENTAGE RATE	TPR	TPR				*	*	*	00	May 1992
TOTAL QUANTITY PER LOCATION	TQPL	TQL	*						02	May 1992
TOTAL QUANTITY	TQ	TQY	*						01	May 1992
TAX PERCENTAGE RATE/CURRENCY CODE	TPRC	TRC				*	*		00	May 1992
CONTRACTOR TAX REGISTRATION NUMBER	COTRN	TRO				*			00	May 1992
CUSTOMER TAX REGISTRATION NUMBER	CUTRN	TRU				*	*	*	00	May 1992

# SPECIFICATION 2000M

## SORT: TEXT ELEMENT IDENTIFIER (TEI)

DATA ELEMENT NAME	ABBREVIATION	TEI	CHAPTER					A P 2	REV	DATE
			1 A	1 B	1 C	2	3	4		
TIME BETWEEN SCHEDULED SHOP VISITS/TCISV	TBSSI	TSI	*						01	Oct 1994
TIME BETWEEN SCHEDULED SHOP VISITS	TBSSV	TSV	*						02	Oct 1994
ORIGINAL INVOICE TOTAL TAX VALUE	OITTV	TTV						*	01	May 1992
CUSTOMER TAX REGISTRATION NUMBER/UNC	CUTRC	TUU				*	*	*	00	May 1992
USABLE ON CODE ASSEMBLY	UOCA	UCA	*	*					03	May 1992
USABLE ON CODE EQUIPMENT	UOCE	UCE	*	*					01	April 1991
ULTIMATE DESTINATION CODE	UDC	UDC				*	*		01	May 1992
ULTIMATE DESTINATION CODE/UNC	UDCNC	UDU				*	*		01	May 1992
UNIT OF ISSUE	UI	UOI	*	*	*	*	*	*	04	Oct 1996
UNIT OF MEASURE	UM	UOM	*	*	*	*	*	*	02	Oct 1996
UNIT PRICE	UP	UPR	*			*	*	*	02	May 1992
USER (NATION) CODE	UNC	USR				*	*	*	02	Oct 1996
VOLUME OF CONSIGNMENT	VOC	VOC				*			00	July 1988
WEIGHT OF CONSIGNMENT	WOC	WOC				*			00	July 1988
WEIGHT OF PACKAGED UNIT	WPU	WPU	*						00	July 1988
WEIGHT OF UNPACKAGED UNIT	WUU	WUU	*						00	July 1988

**SECTION A1-3**

**DATA ELEMENT DEFINITION SHEETS**



BLANK

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ACTION CODE</b>
<b>ABBREVIATION .....</b>	<b>ATC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ATC</b>

**CHARACTERISTICS**

Format .....	a1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

**DESCRIPTION/PURPOSE**

Identifies to the sender the status of a received interchange/message.

**CODE**

A -	ACKNOWLEDGEMENT	Indication that the interchange or message has been received without syntax or service segment specification errors.
B -	ACKNOWLEDGEMENT WITH ERROR	Indication that the interchange, message or segment has been received, some errors have been detected, but further processing can take place.

(Cont. next page)

**REMARKS**

This code is the same as ACTION CODE (0083) in ISO 7372.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

ACTION CODE

C - REJECTED

Indication that an error or number of errors has/  
have been detected in the interchange/message/  
segment/data unit which has made it impossible  
to process as required.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ADDITIVE UNIT PRICE</b>
<b>ABBREVIATION .....</b>	<b>AUP</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>AUP</b>

**CHARACTERISTICS**

Format .....	n..12
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To be used when the 'Unit Price' is not quotable in one single currency, i.e. the price value is made up of additive values in more than one currency.

The ADDITIVE UNIT PRICE relates to

- UNIT OF ISSUE
- CURRENCY
- ECONOMIC CONDITION
- TYPE OF PRICE
- PRICE CONDITION

**CODE**

Enter one additive value with two implied decimal places.

**REMARKS**

The format of hardcopy print is n..10, decimal point, n2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

[illegible]

**ABBREVIATION** ..... **AUPC**

**TEXT ELEMENT IDENTIFIER (TEI)..... AUC**

## CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify a constituent of the price of a unit which can only be expressed in multiple currencies.

**CODE**

## REMARKS

A Composite Data Element composed of:

- ADDITIVE UNIT PRICE (AUP)
- CURRENCY CODE (CUR)

EXAMPLE of hard copy print

HP-Compressor	Price	AUC : 100.00 : GBP
		AUC : 300.00 : DEM
		AUC : 60000.00 : ITL



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ADDRESSEE
ABBREVIATION .....	A
TEXT ELEMENT IDENTIFIER (TEI).....	ADD

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

Identifies the Customer Organization or Company to which the data is provided.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (see Data Element sheet).

REMARKS





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ADJUSTABLE COST
ABBREVIATION .....	AC
TEXT ELEMENT IDENTIFIER (TEI).....	ACO

## CHARACTERISTICS

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

To indicate the value or percentage of ADJUSTABLE COST.  
Only to be used in conjunction with the ADJUSTABLE COST CODE.

## CODE

Value or percentage of ADJUSTABLE COST, with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para 3.3.3.

## REMARKS

Format of hardcopy print shows n.. 13, decimal point, n2



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ADJUSTABLE COST CODE</b>
<b>ABBREVIATION .....</b>	<b>ACC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ACC</b>

**CHARACTERISTICS**

Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify the nature of adjustable cost.

**CODE**

- 1) First and second characters
  - A1 = Provisional to fixed price adjustment (relating to UNIT PRICE)
  - A2 = Reconciliation adjustment
  - U1 = Transport Charge
  - U2 = Chamber of Commerce
  - U3 = Insurance Charge
  - U4 = Freight Charge
  - U5 = Handling Charge Contractor
  - U6 = Handling Charge 1st Level Sub Contractor
  - U7 = Handling Charge 2nd Level Sub Contractor
  - U8 = Packaging Cost
  - U9 = Cancellation Charges
  - MC = Miscellaneous Charge
  - M1 = Discount
  - F1 to FX are allocated to special French Adjustable Cost Codes
- 2) Third character
  - V = ADJUSTABLE COSTS in value (fixed)
  - P = ADJUSTABLE COSTS in percentage (fixed)
  - T = ADJUSTABLE COSTS in value (provisional)
  - N = ADJUSTABLE COSTS in percentage (provisional)

**REMARKS**



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ADJUSTABLE COST DESCRIPTION

ABBREVIATION ..... ACS

TEXT ELEMENT IDENTIFIER (TEI)..... ACS

CHARACTERISTICS

Format ..... an..50

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

To describe miscellaneous ADJUSTABLE COST.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ADJUSTABLE COST DETAILS
ABBREVIATION .....	ACA
TEXT ELEMENT IDENTIFIER (TEI).....	ACA
<b>CHARACTERISTICS</b>	
Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print.....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify ADJUSTABLE COST with an ADJUSTABLE COST CODE, ADJUSTABLE COST DESCRIPTION and the applicable CURRENCY.

**CODE**

**REMARKS**

- A Composite Data Element composed of:
- ADJUSTABLE COST (ACO)
  - ADJUSTABLE COST CODE (ACC)
  - ADJUSTABLE COST DESCRIPTION (ACS)
  - CURRENCY CODE(CUR)





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... AGENTS TAX REGISTRATION NUMBER

ABBREVIATION ..... ATRN

TEXT ELEMENT IDENTIFIER (TEI)..... AGN

### CHARACTERISTICS

Format ..... an..20

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

The tax registration number allocated to an agent by a National Tax Authority.

### CODE

### REMARKS

This number is unique within the National Tax Authorities. It must be used with the AGENTS TAX REGISTRATION NUMBER/UNC when used across national boundaries.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	AGENTS TAX REGISTRATION
ABBREVIATION .....	NUMBER/UNC
TEXT ELEMENT IDENTIFIER (TEI).....	ATRNU
	AGU

### CHARACTERISTICS

Format .....	S.C.D.E
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

A code to identify an agent's tax registration number within a country.

### CODE

### REMARKS

- A Composite Data Element composed of:
- AGENTS TAX REGISTRATION NUMBER (AGN)
  - USER (NATION) CODE (USR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... AGERD NUMBER

ABBREVIATION ..... AGERD

TEXT ELEMENT IDENTIFIER (TEI)..... AGE

## CHARACTERISTICS

Format ..... an..12

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

## DESCRIPTION/PURPOSE

To identify the Aerospace Ground Equipment Requirement Data (AGERD) document which defines the maintenance function for which an item of AGE is used.

## CODE

Record the actual identification of the AGERD document.

## REMARKS

For certain major Projects and with agreement between Industry and the Customer, an AGERD Documentation System may be used to identify each maintenance function for which Ground Equipment is required.

Where an AGERD System is in use, it will be applied only to items having an ITEM TYPE code of "AG".

It should be noted that an AGERD identifies a maintenance function but it does not always uniquely identify an AGE item. Item identification is achieved by the item PART NUMBER.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

AMENDMENT NUMBER

ABBREVIATION .....

AMN

TEXT ELEMENT IDENTIFIER (TEI).....

AMN

CHARACTERISTICS

Format ..... an..3

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify amendments.

CODE

REMARKS

This number may be subject to particular structuring which will be established in a main contract.

The AMN is to be quoted in all Amendment Messages and related responses.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ATTACHING, STORAGE OR
ABBREVIATION .....	SHIPPING PART
	ASSP
TEXT ELEMENT IDENTIFIER (TEI).....	ASP

CHARACTERISTICS

Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates an item to be an Attaching, Storage or Shipping Part at a specific CATALOGUE SEQUENCE NUMBER.

CODE

- 1 - Attaching Part
- 2 - Storage Part
- 3 - Shipping Part

REMARKS

Storage and Shipping Parts are parts of the equipment which are removed before installation.  
 Packaging, whether specific or not, is not considered as a Shipping Part.  
 Storage Parts are those items used to protect the item from the ingress of foreign matter.  
 (See Sheet 2)

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**ATTACHING, STORAGE OR SHIPPING PART**

Shipping Parts are those items used for protection of the whole or portions of items whilst they are in transit.

Attaching Parts are those items required for the attachment of accessories and main components/assemblies/sub-assemblies and single parts. They should be listed immediately beneath the assembly they attach and precede any detail parts of the assembly. Rivets should not be considered as Attaching Parts.

**EXAMPLES:**

- 1 - Attaching screw on the instrument panel of the Airspeed Indicator (Attaching Part).
- 2 - Plastic blank cap for a hydraulic line (Storage Part).
- 3 - Base plate holding a motor to its frame (Shipping Part).

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	AUTHORIZED LIFE
ABBREVIATION .....	AL
TEXT ELEMENT IDENTIFIER (TEI).....	AUL

## CHARACTERISTICS

Format .....	n..6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The AL indicates the maximum installed life for which an item may be operated. Upon reaching this AL, any further life of the item must be re-authorized.

## CODE

Enter the actual number of measurement units as qualified by the TIME/CYCLE INDICATOR/AL (TCA).

## REMARKS

The AL will be provided only for items which have a REASON FOR SELECTION other than '0' and are subject to AL.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... AUTHORIZED LIFE/TCIAL

ABBREVIATION ..... ALI

TEXT ELEMENT IDENTIFIER (TEI)..... ALI

CHARACTERISTICS

Format ..... S.C.D.E

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

The maximum installed life for which an item may be operated, expressed in a specific measurement unit.

CODE

REMARKS

- A Composite Data Element composed of:
- AUTHORIZED LIFE (AUL).
  - TIME/CYCLE INDICATOR/AL (TCA).



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	AUTHORIZED POOL QUANTITY
ABBREVIATION .....	APQ
TEXT ELEMENT IDENTIFIER (TEI).....	APQ
<b>CHARACTERISTICS</b>	
Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates the authorized quantity of a rotatable item (i.e. Repairable Assembly) which is required to support an agreed level of maintenance at the repair contractor's premises.

**CODE****REMARKS**

The average repair turnaround time of a sub-assembly will sometimes be longer than the programmed repair time for the major assembly from which it has been removed. When the sub-assembly repair time is a critical factor, then the establishment of a pool of sub-assemblies will reduce the major assembly turnaround time and in turn, the overall requirement for major assemblies.

The method for calculating pool quantities is to be agreed at the start of the project.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

BILL OF LADING NUMBER

ABBREVIATION .....

BOLN

TEXT ELEMENT IDENTIFIER (TEI).....

BOL

CHARACTERISTICS

Format ..... an..14

Justification ..... LEFT

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

Unique identification number used on shipping documents covering one consignment.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CALIBRATION MARKER
ABBREVIATION .....	CM
TEXT ELEMENT IDENTIFIER (TEI).....	CMK

CHARACTERISTICS

Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Identifies an item that requires calibration.

CODE

1 - Item requires to be calibrated.

REMARKS

The CM will be provided only for Meters, Test Equipment and Dimensional Equipment.

Information regarding the type and periodicity of the calibration must be obtained from the appropriate engineering sources.

To be provided only for items having a REASON FOR SELECTION other than '0'.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CARRIER
ABBREVIATION .....	CAR
TEXT ELEMENT IDENTIFIER (TEI).....	CAR
<b>CHARACTERISTICS</b>	
Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

**DESCRIPTION/PURPOSE**

A code to identify the address of the Carrier responsible for the transportation of goods.

**CODE**

Use NATO SUPPLY CODE FOR MANUFACTURERS (see Data Element sheet).

**REMARKS**



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CARRIER/UNC

ABBREVIATION ..... CAUNC

TEXT ELEMENT IDENTIFIER (TEI)..... CAU

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

To identify a CARRIER within a Country.

### CODE

### REMARKS

A Composite Data Element composed of :

- CARRIER (CAR)
- USER (NATION) CODE (USR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

CASE NUMBER

ABBREVIATION .....

CN

TEXT ELEMENT IDENTIFIER (TEI).....

CNO

CHARACTERISTICS

Format ..... an..6

Justification ..... LEFT

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR / CUSTOMER

DESCRIPTION/PURPOSE

The CASE NUMBER is a number unique to a Consignor which identifies cases/packages belonging to one consignment.

CODE

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CATALOGUE SEQUENCE NUMBER

ABBREVIATION ..... CSN

TEXT ELEMENT IDENTIFIER (TEI)..... CSN

## CHARACTERISTICS

Format .....	an13
Justification .....	
Format of Hardcopy print .....	NN-NN-NN-(A/N)NA-NNNA
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the location of the item within the Illustrated Parts Catalogue (IPC) according to the Standard Numbering System. It is also used with the ITEM SEQUENCE NUMBER (ISN) as the key of each record in the Initial Provisioning (IP) presentation of data.

## CODE

Positions one and two	-	Aircraft Chapter (numeric).
Position three	-	Sub Chapter (numeric).
Position four	-	Sub Sub Chapter (numeric).
Positions five and six	-	Unit or Assembly (numeric).
Positions seven & eight	-	Figure Number (numeric or alpha/numeric).
Position nine	-	Figure Number Variant (Alpha-except 'I' & 'O').
Positions ten, eleven & twelve	-	Item Number (numeric).
Position thirteen	-	Item Number Variant (Alpha-except 'I' & 'O').

## REMARKS

The "Chapterization" allocated to AGE, Tools and Test Equipment in AECMA SPEC 1000D consists of special alpha characters and is not used in the construction of the SPEC 2000M CSN. The rules for the compilation of AGE, Tools and Test Equipment are given in Section 1A-3, paragraph 4.5.5.

When an item appears in the IP presentation (and IPC) for the aircraft or engine, the whole of this data element is to be provided. When an item is contained in the separate IP presentation of equipments then only the last seven characters are applicable and the first six are to be left blank.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**CATALOGUE SEQUENCE NUMBER**

The data entered in the first three positions of the CSN is to be taken from the Standard Numbering System for the aircraft or engine chapterization defined by AECMA Specification 1000 D.

The data entered in the succeeding positions will be allocated by the Contractor in such a way to give clarity of presentation, considering the complexity and data presentation requirements of each Sub-Chapter or Sub-Sub-Chapter or Unit.

The following rules for Figure and Item Number allocation will apply:-

**(a) Figure Number allocation**

In the aircraft and engine IP presentation, numerical Figure Numbers are to be allocated sequentially commencing with '01'. The allocated range of Figure Numbers will be within the same Chapter, Sub-Chapter, Sub-Sub-Chapter and Unit and, when a change to these first six characters of the CSN is encountered, a new figure range starting with '01' is to be started.

In the separate IP presentation of equipments, only one figure range will be created. This will allow for 99 numerical figures to be allocated. If the breakdown of an equipment requires more than 99 figures to adequately present the data, the first character of the Figure Number is to be allocated as an alpha. The range, in these circumstances, will commence A1 to A9 then B1 to B9 and so on until Z9. This will allow for 234 different figures to be allocated.

Within a single IP presentation the two methods of figure allocation must not be mixed. When an IP presentation requires more than 99 figures then the first figure must be identified as A1. It is not permissible to commence with 01 and later to progress to the alphanumeric figure range.

On the initial presentation of data, the Figure Number Variant is to be left blank. The Figure Number Variants are to be reserved for inserting new Figures which may have been omitted from, or, through some subsequent action, need to be added to the data which has already been presented.

When changes occur subsequent to the initial presentation of data they will normally be incorporated into the existing figures. However, if the change is as a result of a modification to the figure's top item and the post modification breakdown of the item is incompatible with the premodification breakdown, it may be necessary to create a new figure to maintain a comprehensive presentation of the pre and post modification data. In these circumstances, the new figure will be allocated the next consecutive Figure Number Variant to the existing figure being modified. If the existing figure has no Figure Number Variant, the new figure will be allocated Variant 'A'.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

CATALOGUE SEQUENCE NUMBER

## EXAMPLES

- (i) A new figure needs to be created as a post modification state of figure 21.

Before figure	After figure	
20	20	
21	21	(Pre Modification figure)
22	21A	(Post Modification figure)
	22	

- (ii) A new figure needs to be created as a post modification state of figure 24M.

Before figure	After figure	
24	24	
24M	24M	(Pre Modification figure)
25	24N	(Post Modification figure)
	25	

When a new independant figure is to be inserted, the Figure Number Variant should be allocated so as to divide the remaining available alpha range to permit the greatest flexibility for future creation of new figures.

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

CATALOGUE SEQUENCE NUMBER

**EXAMPLES**

- (i) A new figure needs to be inserted between figures 26 and 27

<b>Before figure</b>	<b>After figure</b>	
26	26	
27	26M	(new figure)
	27	

- (ii) Subsequent to the action taken in example(i), another new figure needs to be inserted between figures 26 and 26M

<b>Before figure</b>	<b>After figure</b>	
26	26	
26M	26F	(new figure)
	26M	

- (iii) Two new figures need to be inserted between figures 27 and 28, at the same time.

<b>Before figure</b>	<b>After figure</b>	
27	27	
28	27H	(new figure)
	27R	(new figure)
	28	

- (b) Item Number Allocation

The 'top' item of a figure, representing the illustrated item, is to be allocated Item Number '000' and from there on, the numbers are allocated consecutively in a uninterrupted numerical sequence throughout the figure. This uninterrupted sequence, which will exist when the data is compiled, could subsequently become interrupted when changes are introduced or customized extractions are made.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## CATALOGUE SEQUENCE NUMBER

The Item Number Variants are to be reserved for inserting new items which may have been omitted from, or, through some subsequent action, need to be added to the data which has already been presented.

If, subsequent to the initial presentation of data, an item is introduced which completely replaces, or is a different configuration standard of, an existing item, this new item will be presented with the same Item Number (see paragraph on 'Variants/ Different Configuration Standards' later).

When an additional new item is to be inserted, the Item Number Variant should be allocated so as to divide the remaining available Alpha range to permit the greatest flexibility for future insertions at this location. As a general rule this would result in the insertion splitting the Alpha range equally, however, where functional relationships ensure that no additional inserts would arise between the two items, the next consecutive Alpha may be allocated.

## EXAMPLES

- (i) A new item has to be added between items 20 and 21.

Before Item	After Item	
20	20	
21	20M	(new item)
	21	

- (ii) Subsequent to the action taken in example (i), another new item needs to be added between items 20 and 20M

Before Item	After Item	
20	20	
20M	20F	(new item)
	20M	



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

#### CATALOGUE SEQUENCE NUMBER

- (iii) Two new items need to be added between items 21 and 22 at the same time.

Before Item	After Item	
21	21	
22	21H	(new item)
	21R	(new item)
	22	

- (iv) A new item has to be added between items 20 and 21 which is functionally linked to item 20 in a way which would not permit an additional insert between them.

Before Item	After Item	
20	20	
21	20A	(new item)
	21	

Whenever an item appears more than once at the same INDENTURE in an illustrated assembly or sub-assembly, it should be given just one Item Number and be listed just once, with its QUANTITY PER NEXT HIGHER ASSEMBLY (QPNHA) reflecting the multiple occurrence. If an item appears in different sub-assemblies, it must not be allocated the same Item Number.

Certain items are to be listed at the same Item Number with different ITEM SEQUENCE NUMBER, to indicate their applicability to a particular location in a figure and their relationship to the illustrated item. The different types of items which should be listed at the same Item Number are as follows:

#### (1) Variants/Different Configuration Standards

When a Change is introduced by a modification, the pre and post modified items are to be listed at the same Item Number.

When different item variants or different item configuration standards are included in the same IP presentation to utilize a common breakdown, the relationship of the breakdown items with their respective equipment or assembly should be identified by the USABLE ON CODE EQUIPMENT (UOCE) or USABLE ON CODE ASSEMBLY (UOCA).

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

CATALOGUE SEQUENCE NUMBER

(2) **Interchangeability**

When two or more items are interchangeable they should be listed at the same Item Number and each should carry its relevant INTERCHANGEABILITY.

(3) **Select on Fit or Test items**

When the range of Select-on-Test or Select-on-Fit items is presented at the location at which the item is used, and not held in a separate General Tolerance Figure, the whole of this range is to be listed with the same Item Number. Each item in the range will also carry the appropriate SELECT OR MANUFACTURE FROM IDENTIFIER.

(4) **Mirrored Items**

When two like items have a mirrored application in a Left Hand/Right Hand, Upper/Lower or Fore/Aft relationship and have a like or similar engineering breakdown, that breakdown may be shown as a single Figure. In these circumstances the relationship of the breakdown items to their respective mirrored item must be through the USABLE ON CODE ASSEMBLY.

(5) **Special Repair Parts**

When a special repair part is a one-for-one replacement with another item they should be listed together, at the same Item Number. The repair part will be identified as '(Repair Part)' in the DESCRIPTION FOR LOCATION and the item it replaces will have an SMFI of 'P'.

(6) **Special Spares Condition**

When a Special Spares item carries a different PART NUMBER to the production build item it should be listed together with the production build item at the same Item Number. The Special Spares condition item will be the recommended spare whilst the production build item will be listed as a non-recommended item.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CATEGORY 1 CONTAINER
	IDENTIFICATION
ABBREVIATION .....	CICI
TEXT ELEMENT IDENTIFIER (TEI).....	CTI

CHARACTERISTICS

Format .....	S.C.D.E
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Identifies a Category 1 Container (ie A Special-to-Type Container designed to be capable of transporting a part for a minimum of 100 times) which is available for purchase.

CODE

REMARKS

A Composite Data Element composed of:

- NATO SUPPLY CODE FOR MANUFACTURERS (MFC) of the Manufacturer of the Container
- PART NUMBER (PNR) of the Container

Used for a Part Number orientated IP Presentation and entered within the record for the item requiring the Category 1 Container.

Such Containers require their own discrete data records in the provisioning process and Illustrated Parts Catalogues.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CATEGORY 1 CONTAINER LOCATION

ABBREVIATION ..... CICL

TEXT ELEMENT IDENTIFIER (TEI) ..... CTL

## CHARACTERISTICS

Format .....	an7
Justification .....	
Format of Hardcopy print .....	NNNANN(A/N)
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the location at which the data record for the item's Category 1 Container is held.

## CODE

Enter the Item Number and Item Number Variant (part of the CATALOGUE SEQUENCE NUMBER) and the ITEM SEQUENCE NUMBER of the Category 1 Container record.

## REMARKS

The CICL must be provided for those items for which a Category 1 Container is available/required.

The record for the Category 1 Container will be situated at INDENTURE '1' at the end of the figure containing the item.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CHANGE AUTHORITY NUMBER

ABBREVIATION ..... CAN

TEXT ELEMENT IDENTIFIER (TEI)..... CAN

CHARACTERISTICS

Format ..... an..20

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify an authority or an authorizing notice for Engineering or other Changes.

CODE

REMARKS

For Category 2 changes the CAN is optional and its use is to be agreed between the Customer and Contractor.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

CHANGE CODE

ABBREVIATION .....

CHG

TEXT ELEMENT IDENTIFIER (TEI).....

CHG

CHARACTERISTICS

Format ..... a1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

Identifies the action to be taken on receipt of the data contained in the segment.

CODE

See Appendix II, A2-3, page 14.

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>COMMAND CODE</b>
<b>ABBREVIATION .....</b>	<b>COC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>COC</b>
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	See Remarks
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

The COMMAND CODE provides a means of specifying the purpose of a transaction in which it appears. It also enables the receiving system to select the appropriate application program(s) to process the transaction.

**CODE**

See Appendix 2, Annex C

**REMARKS**

Refer also to Matrix 'Transactions and Command Codes' detailed in Chapters 2, 3 4 and 5. Format of Hardcopy print is AAN.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONSUMPTION DATA REQUEST
	NUMBER
ABBREVIATION .....	CDR
TEXT ELEMENT IDENTIFIER (TEI).....	CDR

CHARACTERISTICS

Format .....	an..14
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify Consumption Data Transmission Requests.

CODE

REMARKS

This number may be subject to particular structuring, which will be established in a Main Contract.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONSUMPTION PERIOD
ABBREVIATION .....	CPD
TEXT ELEMENT IDENTIFIER (TEI).....	CPD

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

Identifies the period for which consumption data is required/provided.

CODE

REMARKS

A Composite Data Element composed of

- PERIOD START DATE (PSD)
- PERIOD END DATE (PED)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONSUMPTION RATE  
ABBREVIATION ..... CR  
TEXT ELEMENT IDENTIFIER (TEI)..... CSR

## CHARACTERISTICS

Format ..... n..3  
Justification .....  
Format of Hardcopy print .....  
Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The number of times that an item is replaced in 100 repairs of the next higher assembly.

## CODE

Enter the actual number

## REMARKS

The use of this data element and its application to structural items has to be agreed between Contractor and Customer.  
For certain items, e.g. easily damageable parts, the CR given could be in excess of "100".  
The CR is to be provided against items which have a SPARE PARTS CLASSIFICATION of '1'.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONTRACTOR

ABBREVIATION ..... CON

TEXT ELEMENT IDENTIFIER (TEI) ..... CON

### CHARACTERISTICS

Format ..... an5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

A code to identify the Contractor.

### CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (see Data Element sheet).

### REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONTRACTOR REPAIR TURNAROUND  
TIME  
ABBREVIATION ..... CRTT  
TEXT ELEMENT IDENTIFIER (TEI)..... CRT

CHARACTERISTICS

Format ..... n..3  
Justification .....  
Format of Hardcopy print .....  
Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A mean time in calendar days between receipt of an item by the Contractor and its despatch after repair.

CODE

Enter the actual number of days.

REMARKS

The CRTT is to be provided against those items which have a REASON FOR SELECTION other than '0' and a SPARE PARTS CLASSIFICATION of '2' or '6 for those items subject to CRTT'.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONTRACTOR TAX REGISTRATION NUMBER
ABBREVIATION .....	COTRN
TEXT ELEMENT IDENTIFIER (TEI).....	TRO
<b>CHARACTERISTICS</b>	
Format .....	an..20
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The Tax Registration Number allocated to a Contractor by a National Taxation Authority.

**CODE**

**REMARKS**

This number is unique within a USER (NATION) CODE.





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONTRACTOR TAX REGISTRATION  
NUMBER/UNC

ABBREVIATION ..... COTRC

TEXT ELEMENT IDENTIFIER (TEI)..... TOU

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a Contractor`s Tax Registration Number within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- CONTRACTOR TAX REGISTRATION NUMBER (TRO)
- USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONTRACTOR'S ACCOUNT NUMBER

ABBREVIATION ..... CAC

TEXT ELEMENT IDENTIFIER (TEI)..... CAC

CHARACTERISTICS

Format ..... an..13

Justification .....

Format of Hardcopy print..... see example

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Identifies on an Invoice the account against which payments are to be submitted.

CODE

REMARKS

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

CONTRACTOR'S ACCOUNT NUMBER

#### **EXAMPLES:**

FRANCE:

Refer to "FR" Numero de compte an11 and clé RIB (Relevé d'Identité Bancaire) n2.

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONTRACTOR'S BANK CODE
ABBREVIATION .....	CBC
TEXT ELEMENT IDENTIFIER (TEI).....	CBC

CHARACTERISTICS

Format .....	an..10
Justification .....	
Format of Hardcopy print .....	See Example
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

A Banking Code to identify a specific Bank, at a specific Location.

CODE

All Codes are to comply with national Banking Codes.

REMARKS

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

CONTRACTOR'S BANK CODE

#### **EXAMPLES HARDCOPY FORMAT:**

United Kingdom	:	Bank Code format NN-NN-NN
Germany	:	Bank Code format NNNNNNNN
France	:	Bank Code format NNNNN NNNNN

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONTRACTOR'S BANK DETAILS
ABBREVIATION .....	CBU
TEXT ELEMENT IDENTIFIER (TEI).....	CBU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

A code to provide Contractor's bank details within a country.

CODE

REMARKS

- A Composite Data Element composed of:
- CONTRACTOR'S BANK CODE (CBC)
  - CONTRACTOR'S ACCOUNT NUMBER (CAC)
  - USER (NATION) CODE (USR)





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CONTRACTOR/CUSTOMER INDICATOR

ABBREVIATION ..... CCI

TEXT ELEMENT IDENTIFIER (TEI)..... CCI

### CHARACTERISTICS

Format ..... a1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

A Data Element to identify the originator of a User Segment contained within a message.

### CODE

S for CUSTOMER and INVOICE TO

C for CONTRACTOR and INVOICE SENDER

### REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONTRACTOR/UNC
ABBREVIATION .....	CONC
TEXT ELEMENT IDENTIFIER (TEI).....	COU

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a CONTRACTOR within a Country.

### CODE

### REMARKS

A Composite Data Element composed of :

- CONTRACTOR (CON)
- USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CONTRACTUAL DELIVERY DATE
ABBREVIATION .....	CDD
TEXT ELEMENT IDENTIFIER (TEI) .....	CDD

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

A date contractually agreed between Contractor and Customer by which goods will be delivered.

CODE

DDMMYY

REMARKS

The CDD may also be used to establish the validity of a price in accordance with a contract.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	COPRODUCER
ABBREVIATION .....	COP
TEXT ELEMENT IDENTIFIER (TEI) .....	COP
<b>CHARACTERISTICS</b>	
Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify the Coproducers of major assemblies, produced under workshare arrangements.

**CODE**

Use NATO SUPPLY CODE FOR MANUFACTURERS. (See Data Element sheet)

**REMARKS**

Under specific project arrangements Coproducers may issue invoices directly to the Customer for their workshare although the order administration and progression is carried out by the company responsible for final assembly.





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... COPRODUCER/UNC

ABBREVIATION ..... CPU

TEXT ELEMENT IDENTIFIER (TEI) ..... CPU

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a Coproducer within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- COPRODUCER (COP)
- USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	COUNTRY OF ORIGIN
ABBREVIATION .....	COO
TEXT ELEMENT IDENTIFIER (TEI).....	COR
<b>CHARACTERISTICS</b>	
Format .....	a2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Country Code of the manufacturing Country of the items on the Invoice.

**CODE**

See Table (Brussels Agreement for Country of Origin published by the EEC).

**REMARKS**

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

COUNTRY OF ORIGIN

## TABLE

## COUNTRY OF ORIGIN CODES

Country	Code		
<b>A</b>		Belize (formerly British Honduras)	BZ
Abu Dhabi	DH	Benin (formerly Dahomey)	BJ
Afghanistan	AF		
Ajman	HA	Bermuda	BM
Aland Islands	FI	Bhutan	BT
Alaska	US	Bolivia	BO
Albania	AL	Bonaire	QQ
Algeria	DZ	Botswana	BW
American Samoa	PU	Brazil	BR
Andorra	AD	British Antarctic Territory	BQ
Angola (including Cabinda)	AO	British Indian Ocean Territory	IO
Anguilla	AI	British Virgin Islands	VG
Antigua and Barbuda(UK)	AG	Brunei	BN
Argentina	AR	Bulgaria	BG
Aruba	AA	Burkina (formerly Upper Volta)	BK
Ascension	SH		
Australia	AU	Burma	BU
Australian Antarctic Territory	XA	Burundi	BI
		<b>C</b>	
Australian Oceania (Cocos (Keeling) Islands; Christmas Island (Indian Ocean); Heard and McDonald Islands; Norfolk Island)	CZ	Cameroon	CM
		Canada	CA
		Canary Island	
		Cape Verde	CV
		Caroline Islands	PU
		Cayman Islands	KY
		Central African Republic	CF
Austria (excluding Jungholz and Mittelberg)	AT	Ceuta and Melilla (including Peñon de Velez de la Gomera, Peñon de Alhucemas and the Chafarinas Islands)	XI
Azores	PT		
<b>B</b>			
Bahamas	BS	Chad	TD
Bahrain	BH	Chile	CL
Baker Island	PU	China	CN
Bangladesh (formerly East Pakistan)	BD	Christmas Island (Indian Ocean)	CZ
Barbados	BB	Cocos Islands	CZ
Belgium	BE	Colombia	CO

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## COUNTRY OF ORIGIN

Comoros (Great Comodoro Anjouan and Moheli)	KM	Faroe Islands	FO
		Fiji	FJ
		Finland	FI
Congo	CG	France	FR
Continental Shelf (NW European)		French Antarctic Territory	XF
Belgian Sector	ZB	French Guiana	GF
Danish Sector	ZD	French Polynesia	PF
French Sector	ZF	French Southern Territory	FQ
German Sector	ZG		
Irish Sector	ZE	Fujairah	HA
Netherlands Sector	ZH	<b>G</b>	
Norwegian Sector	ZN	Gabon	GA
United Kingdom Sector	ZU	Gambia	GM
		Germany, Federal Republic of	DE
Cook Islands	CK	(including	
Corn Islands	XT	Jungholz	
Costa Rica	CR	and Mittelberg:	
Cuba	CU	excluding Busingen)	
Curacao	QQ		
Cyprus	CY	Ghana	GH
Czechoslovakia	CS	Gibraltar	GI
<b>D</b>		Gough	SH
Denmark	DK	Greece	GR
Desirade	GP	Greenland	GL
Djibouti	DJ	Grenada	GD
Dominica	DM	Guadeloupe	GP
Dominican Republic	DO	Guam	PU
Dubai	DU	Guatemala	GT
<b>E</b>		Guernsey	GS
Ecuador (including Galapagos Islands)	EC	Guinea	GN
		Guinea-Bissau	GW
Egypt	EG	(Formerly	
El Salvador	SV	Portuguese Guinea)	
Equatorial Guinea	GQ	Guyana	GY
(comprising		<b>H</b>	
Fernando Po and adjacent islets,		Haiti	HT
Annobon, Corisco and the Elobey Islands (with adjacent islets) and Rio Muni)		Hawaii	US
		Heard and McDonald Islands	CZ
		Honduras	HN
		Hong Kong	HK
		Howland Islands	PU
Ethiopia	ET	Hungary	HU
European Community	EU		
<b>F</b>			
Falkland Islands	FK		

# SPECIFICATION 2000M

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

#### COUNTRY OF ORIGIN

<b>I</b>		Malta (including Gozo and Comino)	MT
Iceland	IS		
Iles des Saintes	GP	Man, Isle of (excluding ACP 80 transshipments to IOM Freeport)	GB
India	IN		
Indonesia	ID		
Iran	IR		
Iraq	IQ	Man, Isle of (ACP 80 transshipments to IOM Freeport only)	IM
Irish Republic	IE		
Israel	IL		
Italy	IT	Mariana Islands	PU
Ivory Coast	CI	Maria-Galant	GP
<b>J</b>		Marshall Islands	PU
Jamaica	JM	Martinique	MQ
Jarvis Islands	PU	Mauritania	MR
Japan	JP	Mauritius	MU
Jersey	JS	Mayotte (Grand Terre and Pamanza)	ME
Johnston Islands	PU		
Jordan	JO	Mexico	MX
<b>K</b>		Midway Island	PU
Kampuchea (Cambodia)	KH	Monaco	FR
Keeling Islands (Cocos)	CZ	Mongolia	MN
Kenya	KE	Montserrat	MS
Kingman Reef	PU	Morocco	MA
Kiribati	KI	Mozambique	MZ
Korea, North	KP	<b>N</b>	
Korea, South	KR	Nauru	NR
Kuwait	KW	Nepal	NP
<b>L</b>		Netherlands	NL
Laos	LA	New Caledonia and Dependencies	NC
Lebanon	LB	New Zealand	NZ
Lesotho	LS	Niue	NU
Liberia	LR	Nicaragua	NI
Libya	LY	Niger	NE
Liechtenstein	CH	Nigeria	NG
Luxembourg	BE	Norfolk Islands	CZ
<b>M</b>		Norway (Svalbard, including Spitsbergen and Jan Mayen)	NO
Macao	MO		
Madagascar (Malagasy Republic)	MG	<b>O</b>	
Madeira	PT	Occupied Territories (West Bank of the Jordan and Gaza Strip)	OT
Malawi	MW		
Malaya	MY		
Maldives	MV		
Mali	ML		

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## COUNTRY OF ORIGIN

Oman (formerly Muscat and Oman)	OM	Saudi Arabia	SA
		Senegal	SN
		Seychelles	SC
<b>P</b>		Sharjah	HA
Pakistan	PK	Sierra Leone	SL
Palmyra Island	PU	Singapore	SG
Panama (including the former Canal Zone)	PA	Solomon Islands	SB
		Somalia	SO
Papua New Guinea	PG	South Africa	ZA
Paraguay	PY	South West Africa (Namibia)	NA
Peru	PE	Soviet Union	SU
Philippines	PH	Spain (including Balearic Islands)	ES
Pitcairn Island	PN	Sri Lanka (formerly Ceylon)	LK
Poland	PL	Sudan	SD
Polar Regions (not elsewhere specified)	AC	Surinam	SR
Portugal	PT	Swan Islands	XK
Puerto Rico	PR	Swaziland (Ngwame)	SZ
<b>Q</b>		Sweden	SE
Qatar	QA	Switzerland (including Liechtenstein Busingen and Campione)	CH
<b>R</b>		Syria	SY
Ras al Khaimah	HA	<b>T</b>	
Reunion	RE	Taiwan	TW
Romania	RO	Tanzania (Tanganyika, Zanzibar, Pemba)	TZ
Ross Dependency	XR	Thailand	TH
Rwanda	RW	Togo	TG
<b>S</b>		Tokelau Islands	NU
Saba	QQ	Tonga	TO
Sabah	MY	Trinidad and Tobago	TT
St Barthelemy	GP	Tristan da Cunha	SH
St Christopher and Nevis, Federation of (St. Christopher may be referred to as St. Kitts)	KN	Tunisia	TN
St Eustatius	QQ	Turkey	TR
St Elena	SH	Turks and Caicos Islands	TC
St Lucia	LC	Tuvalu	TV
St Maarten (South)	QQ	<b>U</b>	
St Martin (North)	GP	Uganda	UG
St Pierre and Miquelon	PM	Umm al Qaiwain	HA
St Vincent	VC	United Kingdom (Great Britain)	GB
San Marino	IT		
Sao Tome and Principe	ST		
Sarawak	MY		



DATA DICTIONARY

DATA ELEMENT DEFINITION

COUNTRY OF ORIGIN

Northern Ireland and Isle of Man (excluding ACP80 transhipments to IOM Freeport)	
United States Oceania	PU
United States of America	US
Uruguay	UY
<b>V</b>	
Vanuatu	VU
Vatican City	VA
Venezuela	VE
Viet-Nam	VN
Virgin Islands of USA	VI
<b>W</b>	
Wake Islands	PU
Wallis and Futuna Islands	WF
Western Samoa	WS
<b>Y</b>	
Yemen, North	YE
Yemen, South	YD
Yugoslavia	YU
<b>Z</b>	
Zaire (formerly Congo Kinshasa)	ZR
Zambia	ZM
Zimbabwe	ZW

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>CURE DATE</b>
<b>ABBREVIATION .....</b>	<b>CUD</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>CUD</b>

#### CHARACTERISTICS

Format .....	an4
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

#### DESCRIPTION/PURPOSE

Indicate the manufacturing date of the items with a storage period (See SHELF LIFE CODE).

#### CODE

The CURE DATE shall be indicated by one numeric digit indicating the quarter of the year, followed by the letter "Q" and the last two digits of the year.

#### REMARKS

See STANAG 4281.

When two or more unit packs of identical items bear different CUDs, the earliest date shall be shown.

#### EXAMPLE:

2Q88 indicates a CUD in the second quarter of the calendar year 1988



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CURRENCY CODE
ABBREVIATION .....	CC
TEXT ELEMENT IDENTIFIER (TEI).....	CUR
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To indicate the currency of any Data Element that represents a monetary value.

**CODE**

Use ISO STANDARD 4217

In addition, some specific AECMA codes can be used (see list next page).

**REMARKS**

Specific AECMA Codes are used to identify multiples of a monetary unit and are characterised by an alphanumeric format.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

CURRENCY CODE

#### **SPECIFIC AECMA CODES**

BE1 = 10 BEF (10 Belgian Franc)

GR2 = 100 GRD (100 Greek Drachma)

IT3 = 1000 ITL (1000 Italian Lira)

JP2 = 100 JPY (100 Japanese Yen)

PT2 = 100 PTE (100 Portugese Escudo)

ES2 = 100 ESP (100 Spanish Peseta)

TR2 = 100 TRL (100 Turkish Lira)

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CUSTOMER

ABBREVIATION ..... CUS

TEXT ELEMENT IDENTIFIER (TEI)..... CUS

CHARACTERISTICS

Format ..... an5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A code to identify the Customer.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (see Data Element sheet).

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CUSTOMER PRICE LIST (CPL)
ABBREVIATION .....	ADDENDUM/AMENDMENT NUMBER
TEXT ELEMENT IDENTIFIER (TEI).....	CAA

CHARACTERISTICS

Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A unique number which is suffixed to a CPL REFERENCE NUMBER and identifies changes or additions to an original Customer Price List (CPL).

CODE

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CUSTOMER PRICE LIST (CPL)
ABBREVIATION .....	EFFECTIVE DATE CPLED
TEXT ELEMENT IDENTIFIER (TEI) .....	CEF

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

To identify the date, when a Customer Price List (CPL) becomes effective.

CODE

DDMMYY

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CUSTOMER PRICE LIST (CPL)
ABBREVIATION .....	EXPIRY DATE CPLXD
TEXT ELEMENT IDENTIFIER (TEI) .....	CEX

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

To identify the date, when a Customer Price List (CPL) ceases to be valid.

CODE

DDMMYY.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CUSTOMER PRICE LIST (CPL)
ABBREVIATION .....	REFERENCE NUMBER
	CPLRN
TEXT ELEMENT IDENTIFIER (TEI).....	CRE

CHARACTERISTICS

Format .....	an..12
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify a specific Customer Price List (CPL).

CODE

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	CUSTOMER TAX REGISTRATION NUMBER
ABBREVIATION .....	CUTRN
TEXT ELEMENT IDENTIFIER (TEI).....	TRU
<b>CHARACTERISTICS</b>	
Format .....	an..20
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

**DESCRIPTION/PURPOSE**

The Tax Registration Number allocated to a Customer by a National Taxation Authority.

**CODE****REMARKS**

This number is unique within a USER (NATION) CODE.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CUSTOMER TAX REGISTRATION  
NUMBER/UNC

ABBREVIATION ..... CUTRC

TEXT ELEMENT IDENTIFIER (TEI)..... TUU

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

To identify a Customer Tax Registration Number within a Country.

CODE

REMARKS

A Composite Data Element composed of:

- CUSTOMER TAX REGISTRATION NUMBER (TRU)
- USER (NATION) CODE (USR)



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... CUSTOMER/UNC

ABBREVIATION ..... CUUNC

TEXT ELEMENT IDENTIFIER (TEI)..... CUU

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a CUSTOMER within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- CUSTOMER (CUS)
- USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

DATA RELEASE DATE

ABBREVIATION .....

DRD

TEXT ELEMENT IDENTIFIER (TEI) .....

DRD

CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print..... NN-NN-NN

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

Identifies the date on which data was released for transmission or for printing on the hardcopy Initial Provisioning List.

CODE

DDMMYY

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>DATA RELEASE REFERENCE</b>
--------------------------------	-------------------------------

<b>ABBREVIATION. ....</b>	<b>DRR</b>
---------------------------	------------

<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>DRR</b>
---	------------

**CHARACTERISTICS**

Format. ....	an8
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Justification .....	
---------------------	--

Format of Hardcopy print .....	
--------------------------------	--

Originator of Data .....	CONTRACTOR/CUSTOMER
--------------------------	---------------------

**DESCRIPTION/PURPOSE**

Provides the means for identifying the previous incoming or outgoing message to which the current message relates.

**CODE**

Position one to five	-	The NATO SUPPLY CODE FOR MANUFACTURERS of the CONTRACTOR/CUSTOMER who provided the related message.
----------------------	---	---

Position six to eight	-	The DATA RELEASE SEQUENCE NUMBER of the related message.
-----------------------	---	--

**REMARKS**

DRR will be used only in OBSINF and CORIPD messages (see Sections 1A-7G, 1A-7I and 1A-8).



**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

EXAMPLES:

DATA RELEASE REFERENCE

1st Issue (Outgoing)	DRAFT IPL ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	CSNIPD +ISS: ↓	D1 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 001 +DRD: 200290 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 CO4190023	CSNIPD CODREQ	D1	CO419 CO419	XXXIT MATBW	001 001	200290 200290	UK UK	Pump. Hydr. Pump. Hydr.
1st Incoming	OBSINF	IPH+IPP: IPH+IPP:	CO4190023 +MTP: CO4190023 +MTP:	OBSINF OBSINF	+TOD: +TOD:	XXXGE +ADD: XXXUK +ADD:	CO419 +FID: T CO419 +FID: T	+MOI:01 +DRS: 001 +DRD: 150390 +LGE: UK +IPS: Pump. Hydr. +MOI:01 +DRS: 001 +DRD: 200390 +LGE: UK +IPS: Pump. Hydr.	+DRR: CO419001 +DRR: CO419001		
2nd Issue (Outgoing)	MASTER IPL ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	CSNIPD +ISS: ↓	M1 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 002 +DRD: 200690 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 CO4190023	CSNIPD CODREQ	M1	CO419 CO419	XXXIT MATBW	002 002	200690 200690	UK UK	Pump. Hydr. Pump. Hydr.
3rd Issue (Outgoing)	CAT 2 UPDATE ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	UPTPCT +ISS: ↓	M1 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 003 +DRD: 200890 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 not necessary	UPTPCT	M1	CO419	XXXIT T	+MOI:01 003	200890	UK	Pump. Hydr.
4th Issue (Outgoing)	CAT 1 UPDATE DRAFT (5 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	UIPICO +ISS: ↓	D1 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 004 +DRD: 221290 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 CO4190023	UIPICO CODREQ	D1	CO419 CO419	XXXIT MATBW	+MOI:01 004 003	221290 221290	UK UK	Pump. Hydr. Pump. Hydr.
2nd Incoming	OBSINF	IPH+IPP: IPH+IPP:	CO4190023 +MTP: CO4190023 +MTP:	OBSINF OBSINF	+TOD: +TOD:	XXXSP +ADD: XXXIT +ADD:	CO419 +FID: T CO419 +FID: T	+MOI:01+DRS: 001 +DRD: 150191 +LGE: UK +IPS: Pump. Hydr. +MOI:01+DRS: 001 +DRD: 150191 +LGE: UK +IPS: Pump. Hydr.	+DRR: CO419004 +DRR: CO419004		
5th Issue (Outgoing)	CAT 1 UPDATE MASTER (2 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	UIPICO +ISS: ↓	M1 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 005 +DRD: 200291 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 not necessary	UIPICO	M1	CO419	XXXIT T	+MOI:01 005	200291	UK	Pump. Hydr.
6th Issue (Outgoing)	CAT 1 UPDATE DRAFT (3 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: ↓	UIPICO +ISS: ↓	D2 +TOD: ↓	CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP	+MOI:01+DRS: 006 +DRD: 200391 +LGE: UK +IPS: Pump. Hydr.			
	Codification		CO4190023 CO4190023	UIPICO CODREQ	D2	CO419 CO419	XXXIT MATBW	+MOI:01 006 004	200391 200391	UK UK	Pump. Hydr. Pump. Hydr.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DATA RELEASE SEQUENCE NUMBER
ABBREVIATION .....	DRSN
TEXT ELEMENT IDENTIFIER (TEI).....	DRS
<b>CHARACTERISTICS</b>	
Format .....	n3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

**DESCRIPTION/PURPOSE**

Identifies the sequence in which messages for a particular INITIAL PROVISIONING PROJECT NUMBER are released by a Transmitter to a specific ADDRESSEE. This single sequence covers both Part Number and CSN orientated IP presentations across all standards and all revisions.

**CODE**

Use numeric sequence eg:

001 : Initial release.

002 : First revision release.

003 : Second revision release.

**REMARKS**

When DRSN reaches 999, numbering should re-start with 001.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DELIVERY AND INSPECTION NOTE
ABBREVIATION .....	NUMBER
TEXT ELEMENT IDENTIFIER (TEI).....	DINN
	DIN

CHARACTERISTICS

Format .....	an..10
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify the Delivery and Inspection Note for a delivery.

CODE

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DELIVERY AND INSPECTION NOTE
	NUMBER/ORT/UNC
ABBREVIATION .....	DIOU
TEXT ELEMENT IDENTIFIER (TEI).....	DIU

### CHARACTERISTICS

Format .....	S.C.D.E
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

A Composite Data Element used to uniquely identify the delivery and inspection note and the originator of the delivery and inspection note number within a country.

### CODE

### REMARKS

A Composite Data Element composed of:

- DELIVERY AND INSPECTION NOTE NUMBER (DIN)
- ORIGINATOR (ORT)
- USER (NATION) CODE (USR)

The DIOU uniquely identifies a delivery (Segment Level 2)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... DELIVERY DATE

ABBREVIATION ..... DD

TEXT ELEMENT IDENTIFIER (TEI) ..... DEL

## CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print.....

Originator of Data ..... CONTRACTOR/CUSTOMER

## DESCRIPTION/PURPOSE

The date when the delivery was made.

## CODE

DDMMYY

## REMARKS

To indicate the date when title to the Goods has been transferred from Contractor to Customer for purchase Items, or performance has been completed, e.g. Repair and Overhaul.

The data element may also be used by the Customer as the date of despatch of Goods to the Contractor.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DELIVERY POINT
ABBREVIATION .....	DPT
TEXT ELEMENT IDENTIFIER (TEI).....	DPT

CHARACTERISTICS

Format .....	an..15
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

To indicate a point of delivery other than CUSTOMER or ULTIMATE DESTINATION CODE

CODE

REMARKS

The value may consist of an address code and additional information.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>DESCRIPTION FOR LOCATION</b>
<b>ABBREVIATION .....</b>	<b>DFL</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>DFL</b>
<b>CHARACTERISTICS</b>	
Format .....	an..130
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Provides descriptive data which supplements the DESCRIPTION FOR PART and identifies specific details which relate to the location at which the data is provided.

**CODE**

Enter descriptive details of location related data.

**REMARKS**

The language used in the DFL should be that defined by the LANGUAGE CODE of the IPPN Presentation.

Data which is applicable to a part for all its locations should be held in the DESCRIPTION FOR PART, not in the DFL.

The DESCRIPTION FOR PART plus the DFL will together form the basis of the description which appears in the Initial Provisioning List and the Illustrated Parts Catalogue. Where REASON FOR SELECTION is coded '8', an explanation has to be given in DFL. Where a qualified interchangeability situation exists shown by an INTERCHANGEABILITY Code '6', the conditions associated with this situation are to be given in DFL.

Where an Assembly/Sub-Assembly is not broken down completely because some detailed parts cannot be identified by unique part numbers, it should be broken down to the lowest identifiable level using the appropriate INDENTURE Codes. The bracketed information "(incomplete breakdown)" should be included in DFL.



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>DESCRIPTION FOR PART</b>
<b>ABBREVIATION .....</b>	<b>DFP</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>DFP</b>
<b>CHARACTERISTICS</b>	
Format .....	an..130
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

Provides a detailed description of the item which includes, as the basic name of the item, the identifying noun with its appropriate adjective modifier, as contained in the NATO Item Name Directory for Supply Cataloguing H6, when applicable.

The characteristics, tolerances, sizes and material details are also to be included where these are necessary for full identification of the item.

### CODE

Enter first the noun, followed by the modifier adjective(s), followed by the additional details.

### REMARKS

The language used in the DFP should be that defined by the LANGUAGE CODE of the IPPN Presentation.

The DFP must contain only data which specifically relates to the part and which will be applicable to that part at whatever location the part is used.

When descriptive data needs to be provided which relates to a specific location of the part, this data is to be provided in the DESCRIPTION FOR LOCATION.

To obtain a full description for a part the DFP must be read together with the DESCRIPTION FOR LOCATION.

EXAMPLE : See sheet 2.

**SPECIFICATION 2000M**

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

DESCRIPTION FOR PART

**EXAMPLES:**

Capacitor Fixed Ceramic 0.1 Micro F Plus 80 Minus 20 PCT VDC 50.

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

DIVERSION NUMBER

ABBREVIATION .....

DN

TEXT ELEMENT IDENTIFIER (TEI).....

DNO

CHARACTERISTICS

Format ..... an..12

Justification ..... LEFT

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

A unique number given by the Customer to identify an exceptional delivery requirement against one order.

CODE

REMARKS

The numbering system should be defined for each major Project.





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... DOMESTIC MANAGEMENT CODE

ABBREVIATION ..... DMC

TEXT ELEMENT IDENTIFIER (TEI)..... DMC

### CHARACTERISTICS

Format ..... an..6  
Justification ..... LEFT  
Format of Hardcopy print.....  
Originator of Data ..... CUSTOMER

### DESCRIPTION/PURPOSE

A code allocated by the RAF for Inventory Management purposes.

### CODE

Enter the code provided by the Customer.

### REMARKS

The DMC is used by the RAF to identify supply and storage responsibilities.  
It will normally be advised by the RAF during the IP process. However, if a manufacturer is already aware that a DMC has been allocated to an item, this will be incorporated during the initial data preparation.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DOWN/PROGRESS PAYMENT
	PERCENTAGE RATE
ABBREVIATION .....	DPPPR
TEXT ELEMENT IDENTIFIER (TEI).....	DPC

CHARACTERISTICS

Format .....	n..6
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

The rate applying to a down payment or progress payment.

CODE

Enter the actual percentage with three implied decimal places.

REMARKS

The format of Hardcopy print is n..3, decimal point, n3.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... DOWN/PROGRESS PAYMENT VALUE

ABBREVIATION ..... DPV

TEXT ELEMENT IDENTIFIER (TEI) ..... DPV

**CHARACTERISTICS**

Format ..... n..15

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

**DESCRIPTION/PURPOSE**

A monetary value of a down/progress payment.

**CODE**

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, section 3, para 3.3.3.

**REMARKS**

This may be determined by the application of a DOWN/PROGRESS PAYMENT PERCENTAGE RATE or by contractual agreement.

Format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>DUES IN</b>
<b>ABBREVIATION .....</b>	<b>DUI</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>DUI</b>
<b>CHARACTERISTICS</b>	
Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates the quantity of an item on order and for which delivery into stores is awaited.

**CODE**

Enter the actual quantity.

**REMARKS**





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	DUES OUT
ABBREVIATION .....	DUO
TEXT ELEMENT IDENTIFIER (TEI).....	DUO

CHARACTERISTICS

Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the quantity of an item required for immediate issue to the repair shop.

CODE

Enter the actual quantity.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	EARLIEST TIME FOR COLLECTION
ABBREVIATION .....	ETC
TEXT ELEMENT IDENTIFIER (TEI) .....	ETC

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To identify the earliest date of availability for collection of goods.

CODE

DDMMYY

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ECONOMIC CONDITIONS</b>
<b>ABBREVIATION .....</b>	<b>ECO</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>ECO</b>

**CHARACTERISTICS**

Format .....	an..9
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify a date or period relating to the economic conditions to which a price was calculated.

**CODE**1st Character

A = Average

D = Date

M = Month

P = Period

**REMARKS**

Prices carrying economic conditions earlier than the actual delivery date may be subject to escalation as per contractual agreements in order to reflect the economic conditions of the period of performance respective delivery.

EXAMPLES

Average 1991 = A91

Date 31. 7. 1992 = D310792

Month July 1992 = M0792

Period from 1/91- 6/92 = P01910692



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ECONOMIC CONDITIONS/ CURRENCY CODE
ABBREVIATION .....	ECOC
TEXT ELEMENT IDENTIFIER (TEI).....	EOC
<b>CHARACTERISTICS</b>	
Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

To identify the ECONOMIC CONDITIONS related to a price and to the relevant currency.

## CODE

## REMARKS

- A Composite Data Element composed of:
- ECONOMIC CONDITIONS (ECO)
  - CURRENCY CODE (CUR)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>EFFECTIVITY</b>
<b>ABBREVIATION .....</b>	<b>E</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>EFY</b>

**CHARACTERISTICS**

Format .....	an..8
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Identifies the range of Customer's aircraft or engines on which the item is fitted in this location.

**CODE**

Positions one to four	-	enter the 'from' aircraft or engine number to indicate the beginning of the range.
Positions five to eight	-	enter the 'to' aircraft or engine number to indicate the end of the range. When this is not limited, enter '9999'.

When an item is not limited to a range of Customer's aircraft or engines, but fitted to all, the data element should not be filled.

**REMARKS**

This data element will only be provided in the Initial Provisioning (IP) presentation of the aircraft or engine, it will not be given in the separate IP presentation of equipments.

(Cont. on Sheet 2)

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

EFFECTIVITY

**REMARKS (cont.):**

EFFECTIVITY should normally be identified by quoting the 'from' and 'to' build line number. Where alternative methods are negotiated, e.g. by identifying ranges of aircraft or engines by a cross reference coding system, the code identified in the EFFECTIVITY field must be preceded by an asterisk '\*'. This cross reference coding system would be described in the Illustrated Parts Catalogue introduction.

**EXAMPLES:**

<b>Part Number</b>	<b>Effectivity</b>
A	00010012
B	00139999

Part 'A' is fitted to Aircraft 1 to 12 and  
Part 'B' is fitted to Aircraft 13 upwards.

<b>Part Number</b>	<b>Effectivity</b>
X	*AB
Y	*AC
Z	*AD

Part 'X' is fitted to Aircraft 1 to 4, 7, 9  
Part 'Y' is fitted to Aircraft 5, 6, 8, 10 to 15  
Part 'Z' is fitted to Aircraft 16 upwards.

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ELECTROSTATIC SENSITIVE DEVICE

ABBREVIATION ..... ESD

TEXT ELEMENT IDENTIFIER (TEI)..... ESD

CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Identifies electronic components subject to catastrophic failure, major characteristic change or performance degradation from the effect of electrostatic, electromagnetic, magnetic or radioactive fields.

CODE

1 = Item is an ESD.

REMARKS

Within Chapter 1A and 1C the ESD will be provided only for items which have a REASON FOR SELECTION other than '0'.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ERROR CODE
ABBREVIATION .....	ERC
TEXT ELEMENT IDENTIFIER (TEI).....	ERC

CHARACTERISTICS

Format .....	n..2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

Identifies the type of error found on processing of an interchange or a message.

CODE

Refer to Appendix 2, Annex F.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

ESCALATION FACTOR

ABBREVIATION .....

EF

TEXT ELEMENT IDENTIFIER (TEI).....

ESF

**CHARACTERISTICS**

Format ..... n..5

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

**DESCRIPTION/PURPOSE**

An agreed percentage which determines the Selling Price of an Item by applying such percentage to the original monetary value.

**CODE**

Enter the actual percentage with three implied decimal places.

May be positive or negative.

Refer to Appendix 2, section 3, para 3.3.3.

**REMARKS**

The format of hard copy print is n..2, decimal point, n3.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ESCALATION FACTOR/CURRENCY CODE

ABBREVIATION ..... EFCC

TEXT ELEMENT IDENTIFIER (TEI)..... ESR

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A Composite Data Element which links a special ESCALATION FACTOR with a specific CURRENCY CODE.

CODE

REMARKS

- A Composite Data Element composed of:
- ESCALATION FACTOR (ESF)
  - CURRENCY CODE (CUR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

ESCALATION VALUE

ABBREVIATION .....

EV

TEXT ELEMENT IDENTIFIER (TEI).....

ESV

## CHARACTERISTICS

Format ..... n..15

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Escalation value derived by application of the ESCALATION FACTOR to an original monetary value.

## CODE

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, section 2, para 3.3.3.

## REMARKS

Format of hardcopy print is n..13, decimal point, n2



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ESCALATION VALUE/CURRENCY CODE

ABBREVIATION ..... EVCC

TEXT ELEMENT IDENTIFIER (TEI)..... ESY

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A Composite Data Element which links a specific ESCALATION VALUE with a specific CURRENCY CODE.

CODE

REMARKS

- A Composite Data Element composed of:
- ESCALATION VALUE (ESV)
  - CURRENCY CODE (CUR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

ESSENTIALITY CODE

ABBREVIATION .....

EC

TEXT ELEMENT IDENTIFIER (TEI).....

ESC

CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates whether a part is essential to the operation of a Project (ie Weapon System, Aircraft, Engine or other like System).

CODE

- 1 - Project cannot be operated with the part unserviceable.
- 2 - Project can sometimes be operated with the part unserviceable.
- 3 - Project can always be operated with the part unserviceable.

REMARKS

This data element is to be used for spares provisioning only.

The use and application of this data element is to be agreed at the beginning of the Project. When its use is agreed it has to be provided for all items with REASON FOR SELECTION other than "0".





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... EVIDENCE CONTROL CODE

ABBREVIATION ..... ECC

TEXT ELEMENT IDENTIFIER (TEI)..... ECC

## CHARACTERISTICS

Format ..... an7

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

## DESCRIPTION/PURPOSE

A code allocated by Nations for financial management purposes.

## CODE

If used by French MOD/Forces: First position equals constantly "F".

Last six positions: "Code analytique DCAL".

If used by Italian Forces:

First three positions: A number from 001 to 999, referred to the Certificate.

Fourth position: Last digit of the year.

Last three positions: Alpha numeric code, identifying the specific Department Originator of the order.

## REMARKS

- a. This code is used by the French MOD for internal management purposes. A specified value will always show "F" as first character.
- b. This code will be provided by the Italian Forces to allow them an audit link between each order (or orders) sent and the authorizing certificate. A specified value will always show "0 up to 9" as the first character.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	EXCHANGE CURRENCY CODE
ABBREVIATION .....	EXCC
TEXT ELEMENT IDENTIFIER (TEI).....	EXC
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify the currency into which an original monetary value is converted.

**CODE**

See CURRENCY CODE.

**REMARKS**

The currency exchange arrangements should be specified in the contract.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	EXCHANGE RATE
ABBREVIATION .....	ER
TEXT ELEMENT IDENTIFIER (TEI).....	EXR

## CHARACTERISTICS

Format .....	n..8
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The numeric factor, which – when applied to the monetary value of the CURRENCY CODE  
- gives the monetary value of the EXCHANGE CURRENCY CODE.

## CODE

Enter the actual value with four implied decimal places.

## REMARKS

The format of Hardcopy print is n..4, decimal point, n4.

EXAMPLE

1 EXC = EXR X 1 CUR  
1 GBP = 2.8800 X 1 DEM



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	EXCHANGE RATE/ CURRENCY CODE
ABBREVIATION .....	ERCC
TEXT ELEMENT IDENTIFIER (TEI).....	EXU
<b>CHARACTERISTICS</b>	
Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To have a link between a CURRENCY CODE and its EXCHANGE RATE when there are multiple currencies.

**CODE**

**REMARKS**

- A Composite Data Element composed of:
- EXCHANGE RATE (EXR)
  - CURRENCY CODE (CUR)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	EXCHANGE RATE TYPE
ABBREVIATION .....	ERT
TEXT ELEMENT IDENTIFIER (TEI) .....	ERT

## CHARACTERISTICS

Format .....	an7
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

## DESCRIPTION/PURPOSE

To define the source and date of an EXCHANGE RATE.

## CODE

Codes to be contractually agreed.  
1st character = Code  
Remaining 6 = Date

## REMARKS

This data element is used in conjunction with EXCHANGE RATE/CURRENCY CODE AND EXCHANGE CURRENCY CODE.

EXAMPLE

LDDMMYY = London stock exchange  
FDDMMYY = Frankfurt stock exchange  
PDDMMYY = Paris stock exchange



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... FILE IDENTIFIER

ABBREVIATION ..... FI

TEXT ELEMENT IDENTIFIER (TEI)..... FID

CHARACTERISTICS

Format ..... a1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Identifies whether the data relates to an airframe/engine or equipment IP project contained in the message.

CODE

S = Airframe/Engine

T = Equipment.

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

FITMENT CODE

ABBREVIATION .....

FC

TEXT ELEMENT IDENTIFIER (TEI).....

FTC

## CHARACTERISTICS

Format ..... an1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates that an item cannot be fitted in its 'as supplied' state but must undergo some operation before, or during, installation.

## CODE

1 = Part which needs drilling, reaming or trimming during fitting.

M = Part which needs major repair facilities for fitment.

## REMARKS

The FC will be provided only for items which have a REASON FOR SELECTION other than '0'.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... FORECAST DELIVERY DATE

ABBREVIATION ..... FDD

TEXT ELEMENT IDENTIFIER (TEI) ..... FDD

## CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print.....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The CUSTOMER needs to know as early as possible the extent to which his declared REQUIRED DELIVERY DATE can be met.

To meet this need, the CONTRACTOR will issue a FORECAST DELIVERY DATE as soon as possible and not later than 3 months following receipt of the Order, or as soon as provided in the Contract (see Chapter 3 Section 3-2 para 2.2.2). Unless and until a CONTRACTUAL DELIVERY DATE is agreed, the FORECAST DELIVERY DATE will serve as the CONTRACTOR's best available delivery promise.

## CODE

DDMMYY

## REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... GOVERNMENT QUALITY ASSURANCE  
AND CONTROL  
ABBREVIATION ..... GQAC  
TEXT ELEMENT IDENTIFIER (TEI)..... GQA

CHARACTERISTICS

Format ..... an..2  
Justification .....  
Format of Hardcopy print .....  
Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

To define the level of Quality Control needed by the Customer against each order.

CODE

**Position one** : Defines the level of a Contractor's Quality Assurance.

- 1 = AQAP-1 NATO Requirement for an Industrial Quality Control System or National equivalent
- 4 = AQAP-4 NATO Inspection System Requirement for Industry or National equivalent.
- 6 = AQAP-6 NATO Measurement and Calibration System Requirement for Industry or National equivalent.

(Cont. on Sheet 2)

REMARKS

The Standard level of GQAC will be defined in the main contract, but may be adjusted by use of this code.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

##### **GOVERNMENT QUALITY ASSURANCE AND CONTROL**

#### **CODE (ctd):**

- 9 = AQAP-9 NATO Basic Inspection Requirements for Industry or National equivalent
- S = AQAP-13 NATO Software Quality Control Systems Requirements or National equivalent
- C = Certificate of Conformity released by Industry
- K = No Special Requirements
- X = Commercial Supply

Position two : Defines the level of Government Quality Assurance located at Contractor's premises when this exists.

- A = STANAG 4108
- B = GQAC will be conducted; the material is subject to Government Proof Firing
- C = Accord SIAR - MDRI
- G = GQAC will be conducted
- K = Specific agreement not required or foreseen
- L = GQAC will be conducted; the material is subject to verification according to ZDv 19/1

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	HASTENING NUMBER
ABBREVIATION .....	HNO
TEXT ELEMENT IDENTIFIER (TEI) .....	HNO

CHARACTERISTICS

Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A Data Element to provide a unique hastening number to enable outstanding responses to be progressed.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	HAZARDOUS MATERIAL
ABBREVIATION .....	HM
TEXT ELEMENT IDENTIFIER (TEI).....	HAZ

CHARACTERISTICS

Format .....	an4
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Identifies articles or substances which are capable of posing a significant risk to health, safety or property during transportation, handling or storage.

CODE

The Substance Identification Number listed in Chapter 2 of the United Nations Recommendations on the Transport of Dangerous Goods ST/SG/AC.10/1/Rev5.

REMARKS

This data element will be provided for items with a REASON FOR SELECTION other than "0".

The UN document is also known as the "UN List" and can be obtained under the references: UN Publication Sales No E.87 VIII.1, ISBN 92-1-13 9023-0.

The same codes can be derived from the ICAO DOC 9284-AN/905 "Technical Instruction for the Safe Transport of Dangerous Goods by Air".



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ILLUSTRATION AFFECTED INDICATOR

ABBREVIATION ..... IAI

TEXT ELEMENT IDENTIFIER (TEI)..... IAI

CHARACTERISTICS

Format ..... a1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates whether a change to provisioning data affects the related illustration.

CODE

Y - Illustration affected

N - Illustration not affected

REMARKS





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>INDENTURE</b>
<b>ABBREVIATION .....</b>	<b>I</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>IND</b>
<b>CHARACTERISTICS</b>	
Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The INDENTURE indicates the level, in the hierarchy of a breakdown within a figure, to which an item is allocated. It corresponds to the indentation that the item will be given within the Illustrated Parts Catalogue.

**CODE**

Enter number of indenture level = 1 to 9.

**REMARKS**

Attaching parts are to be listed with the same INDENTURE as the item they attach.  
 Local manufacture items listed at the end of a figure are to be assigned INDENTURE '1'.  
 The location and Indenture of shipping parts will be dictated by the Bill of Material (BOM), but if they are not part of the BOM they are to be listed at the end of the figure at INDENTURE '1'.  
 When presenting 'CSN orientated' IP data, it is necessary to identify the range of INDENTURE levels which makes the presentation comprehensible. This may include items which are not procurable.



**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

<b>DATA ELEMENT NAME .....</b>	<b>INITIAL PROVISIONING PROJECT</b>
	<b>NUMBER</b>
<b>ABBREVIATION .....</b>	<b>IPPN</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>IPP</b>

**CHARACTERISTICS**

Format .....	an9
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

IP Project Numbers are allocated to break down the complete IP task into manageable sections thus identifying separate spares lists and regulating all processes relating to each individual list.

**CODE**

- |                      |   |
|----------------------|---|
| Position one to five | - The NATO SUPPLY CODE FOR MANUFACTURERS of the Contractor who is responsible for providing the IPP data to the Customer. |
| Position six to nine | - Project serial number allocated by the responsible Contractor.  |

**REMARKS**

The aircraft IP presentation will be broken down into several IP packages, each allocated its own IPP.

The separate IP presentations for equipments will each receive one IPP and will usually cover all variants of the equipment in a single IP presentation.

An IPP, once assigned, will not be changed, even if at some later stage the responsibility for an IPP is moved from one Company to another.

The allocation of IPPs and the division of the IP presentation for the aircraft and engine will be jointly agreed between the Contractor and Customer. This agreement may also include the allocation of significant serial numbers (an format) to relate IP projects to weapon systems or to group projects into specific categories. The IPP is to be unique within an MFC of the responsible Contractor.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INITIAL PROVISIONING PROJECT
	NUMBER SUBJECT
ABBREVIATION .....	IPPNS
TEXT ELEMENT IDENTIFIER (TEI).....	IPS

CHARACTERISTICS

Format .....	an..19
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Describes the subject for which the INITIAL PROVISIONING PROJECT NUMBER (IPP) is assigned.

CODE

Establish the IPPNS by taking the first 19 characters of the DESCRIPTION FOR PART of the item for which the INITIAL PROVISIONING PROJECT NUMBER is assigned.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INTEGRATED LOGISTIC SUPPORT
ABBREVIATION .....	NUMBER
	ILSN
TEXT ELEMENT IDENTIFIER (TEI) .....	ILS

CHARACTERISTICS

Format .....	an..20
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Provides an interdisciplinary key which allows cross referencing of items between different areas of Integrated Logistic Support.

CODE

REMARKS

The use of this data element and the terms for its application are to be agreed between the Customer and Contractor at the start of the project.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>INTERCHANGEABILITY</b>
<b>ABBREVIATION .....</b>	<b>ICY</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ICY</b>
<b>CHARACTERISTICS</b>	
Format .....	an2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates the interchangeability of two or more items at the same location either for the same configuration or, when a Part Number change is involved, across two different Configuration Standards.

**CODE****APPLICATION**

The ICY code will only be applied when two or more interchangeable items are presented at the same location.

The numeric ICY codes will only be used where ICY conditions have been positively identified.

As the interchangeability of different Configuration Standards will be defined by the Change Authority introducing the change, the level of breakdown to which the ICY code can be applied will be dependent upon that which is expressed by the Change Authority. It may, therefore, not be possible to identify the ICY condition (cont. next pages)

**REMARKS**

The ICY Code will be provided only for items which have a REASON FOR SELECTION other than '0'.

EXAMPLE: Included in text of CODE.

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

INTERCHANGEABILITY

**CODE (cont):**

down to full breakdown level in all cases.

When applied across different Configuration Standards, the ICY is to be read in conjunction with the EFFECTIVITY.

**STRUCTURE**

The data field contains two characters; the first character is used to indicate the item's ICY with the preceding item and the second is used to indicate the item's ICY with the succeeding item listed.

**EXAMPLE**

Part Number	ICY
A	- 9
B	9 -

This indicates an ICY 9-9 condition between Part Numbers A and B.

This code structure allows the evolution of further ICY conditions to be represented whilst still maintaining a historic record.

**FURTHER EXAMPLE**

Part Number	ICY
A (Pre Mod 1)	- 9
B (Pre Mod 1)	9 1
A1 (Post Mod 1)	2 9
B1 (Post Mod 1)	9 -

This indicates two ICY 9 items being modified to produce two new ICY 9 items. Because succeeding and preceding ICY codes are held separately the whole ICY development can be represented.

The example effectively shows the following:

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## INTERCHANGEABILITY

A	9	interchangeable	1	interchangeable
B	9			
A1	9	interchangeable	2	
B1	9			

NB. As ICY 9-9 indicates full interchangeability, the ICY 1-2 condition can be read also to the Parts Numbers A and B1.

## DEFINITION OF CODES

## CODE

BLANK = This indicates that the ICY condition cannot be positively identified or represented. Items presented at the same location with ICY 'blank' may, or may not, be interchangeable. The use of ICY 'blank' will only have application for items presented at different Configuration Standards.

## EXAMPLE

Part Number	ICY
A (Pre Mod 1)	
B (Post Mod 1)	

Indicates that no positive ICY condition exists between parts A and B.

0 = Indicates that the items are not interchangeable.

Both of the items must carry code '0'. The use of code '0' will only have application for items presented at different Configuration Standards.

## EXAMPLE

Part Number	ICY
A (Pre Mod 1)	- 0
B (Post Mod 1)	0 -

Indicates parts A and B are not interchangeable.

DATA DICTIONARY

DATA ELEMENT DEFINITION

INTERCHANGEABILITY

- 1 )  
 ) = Indicates full interchangeability with the following applications:  
2 )

ICY codes '1' and '2' must always be used one with the other, and may be used for two items presented at the same Configuration Standard, or for two items at different Configuration Standards.

For two interchangeable items at the same Configuration Standard, code '1' identifies the item whose source of supply is running out and code '2' identifies the preferred, replacement, item.

When the two interchangeable items are at different Configuration Standards the code '1' item will be the pre-modified item and the code '2' the post-modified item.

For technical or supply reasons code '1' items may no longer be procured, but existing stocks will need to be used up.

This may be achieved by controlling the issue of the code '2' item until the code '1' item stock is exhausted. This, however, might result in the replacement of a code '2' item (which was installed during series production) with a code '1' (being used until stocks are exhausted) which could in some instances constitute a demodification action.

**EXAMPLE (same Configuration Standard)**

Part Number	ICY
A	- 1
B	2 -

Items A and B are fully interchangeable but B is preferred and A is running out of supply.

**EXAMPLE (different Configuration Standard)**

Part Number	ICY
A (Pre Mod 1)	- 1
B (Post Mod 1)	2 -

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## INTERCHANGEABILITY

Items A and B are at different Configuration Standards and are fully interchangeable.

- 3 = Indicates an item that has a one way interchangeability with another (ICY code '5') item.

The use of ICY code '3' must always be accompanied with an ICY '5' item and will only be applied to items presented at different Configuration Standards.

Code '3' is applied to the pre-modified item and code '5' is applied to the post-modified item.

A code '3' item may only be used as a replacement where a code '3' item is installed, but a code '5' item may be used to replace either a code '3' or a code '5'.

**EXAMPLE**

Part Number		ICY
A	(Pre Mod 1)	- 3
B	(Post Mod 1)	5 -

One way ICY shows B may replace A, but A cannot replace B (which must be replaced by B).

**EXAMPLE**

Part Number		ICY
A	(Pre Mod 1)	- 3
B	(Post Mod 1) (Pre Mod 2)	5 3
C	(Post Mod 2)	5 -

The one way ICY links show that part A can be replaced by A, B, or C that part B can be replaced by B or C and that C can only be replaced by C.

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

INTERCHANGEABILITY

**EXAMPLE**

Part Number		ICY
A	(Pre Mod 1)	- 4
B	(Pre Mod 1)	4 3
C	(Post Mod 1)	5 -

Mod 1 which has introduced C has brought a one-way ICY between the pre-mod Part Numbers A and B and the post mod item C. As ICY '4' applies between A and B then parts A and B can be replaced by A, B or C. Part C must be replaced by part C.

- 4 = Indicates an item which is fully interchangeable with, but not identical to, other ICY '4' items. It is to be used only when the items are presented at the same Configuration Standard. When items are presented at different Configuration Standards then codes 1-2 or 3-5 must be applied.

**EXAMPLE**

Part Number		ICY
A		- 4
B		4 -

A and B are fully interchangeable.

**EXAMPLE**

Part Number		ICY
A	(Pre Mod 1)	- 4
B	(Pre Mod 1)	4 3
C	(Post Mod 1)	5 4
D	(Post Mod 1)	4-

This indicates parts A and B are fully interchangeable and that C and D are fully interchangeable, and that the mod has introduced a one way ICY between the pre and post mod items.

DATA DICTIONARY

DATA ELEMENT DEFINITION

INTERCHANGEABILITY

- 5 = Indicates an item which has a one way ICY with another (code '3') item. The use of ICY code '5' must always be accompanied with an ICY code '3' item and will only be applied to items presented at different Configuration Standards.

See code '3' for details of application.

- 6 = Indicates an item which has a qualified interchangeability with another ICY '6' item. The conditions under which this qualified interchangeability is operative should be provided in the DESCRIPTION FOR LOCATION.

- 7 = )  
 ) Not used.

- 8 = )

- 9 = Indicates an item which is fully interchangeable with, and identical to, other ICY '9' items. It is to be used when a secondary Part Number is shown, for example, a Vendor allocated identity to a proprietary item which can otherwise be supplied direct by the proprietary firm. In such cases the proprietary item will be listed first followed by the Vendor's PART NUMBER. A proprietary item is one which is identified by a Primary Reference Number as defined in ACodP 1.

ICY '9' related items would always qualify for the same NSN.

ICY '9' is to be used only when items are presented at the same Configuration Standard.

- = Used as a 'filler' to make clear the position of a single numerical code presented in the ICY field.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

INVOICE CATEGORY

ABBREVIATION .....

IC

TEXT ELEMENT IDENTIFIER (TEI).....

ICA

## CHARACTERISTICS

Format ..... a1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies an INVOICE CATEGORY for national tax, internal accounting or invoice validation purposes.

## CODE

- A - Individual invoice transaction issued at/after delivery of goods for 100 % of goods value or an individual offset in relation to global progress payment.
- B - Invoicing of actual progress payment (lump sum).
- C - Invoicing of milestone progress payments (or any other payment related to a plan) based upon contractually agreed payment plans for individual orders.
- D - Adjustment to previously accepted invoice data and/or invoicing of adjustable costs not invoiced under code A.
- E - Invoice issued prior to delivery.  
(E.g. for customs or letter of credit purposes)

## REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE DATE
ABBREVIATION .....	ID
TEXT ELEMENT IDENTIFIER (TEI) .....	IDT

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Date allocated to an Invoice.

CODE

DDMMYY

REMARKS

The meaning of the ID must be defined within a Customer/Contractor Prime Contract.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE DELIVERY LINE VALUE NETT
ABBREVIATION .....	IDLVN
TEXT ELEMENT IDENTIFIER (TEI).....	IDV
<b>CHARACTERISTICS</b>	
Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The value nett of one invoice delivery line.

**CODE**

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, Section 3, para. 3.3.3.

**REMARKS**

Format of Hardcopy print is n..13, decimal point, n2.

The IDV can be calculated by multiplying the Unit Price X Quantity of one invoice delivery line and may also include relating adjusting values such as Adjustable Costs, Escalated Values, Exchanged Values and Offset Values when appropriate.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... INVOICE DELIVERY LINE VALUE NETT/  
 ABBREVIATION ..... CURRENCY CODE  
 TEXT ELEMENT IDENTIFIER (TEI)..... IDLVC  
 IDC

### CHARACTERISTICS

Format ..... S.C.D.E.  
 Justification .....  
 Format of Hardcopy print .....  
 Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

A Composite Data Element which links a specific INVOICE DELIVERY LINE VALUE NETT with a specific CURRENCY CODE.

### CODE

### REMARKS

A Composite Data Element composed of:  
 - INVOICE DELIVERY LINE VALUE NETT (IDV)  
 - CURRENCY CODE (CUR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

INVOICE NUMBER

ABBREVIATION .....

IN

TEXT ELEMENT IDENTIFIER (TEI).....

INR

CHARACTERISTICS

Format ..... an..20

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A number, unique to an INVOICE SENDER to identify an Invoice.

CODE

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... INVOICE ORDER LINE VALUE NETT

ABBREVIATION ..... IOLVN

TEXT ELEMENT IDENTIFIER (TEI)..... IOV

## CHARACTERISTICS

Format ..... n..15

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The sum of all INVOICE DELIVERY LINE VALUES NETT.

## CODE

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, Section 3, para. 3.3.3.

## REMARKS

The format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE SENDER
ABBREVIATION .....	ISE
TEXT ELEMENT IDENTIFIER (TEI) .....	ISO

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To indicate who has sent an invoice.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS. See Data Element sheet.

REMARKS

The ISE may be determined by the Customer/Contractor as part of the contract.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE SENDER/UNC
ABBREVIATION .....	ISUNC
TEXT ELEMENT IDENTIFIER (TEI).....	ISU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To identify the sender of the invoice within a country.

CODE

REMARKS

- A Composite Data Element composed of:
- INVOICE SENDER (ISO)
  - USER (NATION) CODE (USR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

INVOICE TO

ABBREVIATION .....

ITO

TEXT ELEMENT IDENTIFIER (TEI).....

ITO

CHARACTERISTICS

Format ..... an5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

To indicate where an Invoice is to be sent.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS. See Data Element Sheet.

REMARKS

The ITO may be specially designated by a Customer when placing an Order or may be determined by the Customer/Contractor as part of the Contract negotiations.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>INVOICE TO/UNC</b>
<b>ABBREVIATION .....</b>	<b>ITUNC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ITU</b>

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

To identify the INVOICE TO address within a Country.

### CODE

### REMARKS

- A Composite Data Element composed of:
- INVOICE TO (ITO)
  - USER (NATION) CODE (USR).



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE TOTAL TAX VALUE
ABBREVIATION .....	ITTV
TEXT ELEMENT IDENTIFIER (TEI).....	ITX

## CHARACTERISTICS

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The value of tax determined by the TAX PERCENTAGE RATE for the INVOICE TOTAL VALUE NETT.

## CODE

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para 3.3.3.

## REMARKS

The format of Hardcopy print is n..13, decimal point, n2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE TOTAL VALUE GROSS
ABBREVIATION .....	ITVG
TEXT ELEMENT IDENTIFIER (TEI).....	ITL

## CHARACTERISTICS

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The sum of the INVOICE TOTAL VALUE NETT and INVOICE TOTAL TAX VALUE.

## CODE

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, Para 3.3.3.

## REMARKS

The format of Hardcopy print is n..13, decimal point, n2.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... INVOICE TOTAL VALUE NETT

ABBREVIATION ..... ITVN

TEXT ELEMENT IDENTIFIER (TEI)..... IGV

## CHARACTERISTICS

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The sum of all INVOICE ORDER LINE VALUES NETT including adjusting values such as ADJUSTABLE COST, ESCALATION VALUE, OFFSET VALUE and EXCHANGE VALUE when appropriate which are applicable to one invoice.

## CODE

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para 3.3.3.

## REMARKS

This value does not include any tax value.  
The format of Hardcopy print is n..13, decimal point, n2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	INVOICE TYPE
ABBREVIATION .....	INT
TEXT ELEMENT IDENTIFIER (TEI).....	INT

## CHARACTERISTICS

Format .....	an1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the type of invoice.

## CODE

- 1 - Preliminary invoice. An invoice subject to further potential adjustment.
- 2 - Final invoice. An invoice not requiring further adjustment (eg. based on "Fixed" price agreements).

## REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ISSUE STANDARD

ABBREVIATION ..... IS

TEXT ELEMENT IDENTIFIER (TEI)..... ISS

## CHARACTERISTICS

Format ..... an2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the issue status and serial number of each Initial Provisioning List presentation and updating message for a specific INITIAL PROVISIONING PROJECT NUMBER (IPP).

## CODE

Position one - Enter the issue status code:  
D - Draft issue status  
F - Formal issue status  
M - Master issue status.

Position two - Enter the Serial Number of the issue status beginning '1' with the first issue.

## REMARKS

The range of Serial Numbers is to be allocated within a particular status. When the status of the IPL changes, the Serial Number range must begin with '1' with the first issue of the new status.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

#### **ISSUE STANDARD**

#### **EXAMPLES:**

For IPL with IPP K09991234

First Draft issue    IS    =    D1

Second Draft issue IS    =    D2

First Formal issue    IS    =    F1

First Master issue    IS    =    M1

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

EXAMPLES:

ISSUE STANDARD

1st Issue (Outgoing)	DRAFT IPL ↓	IPH+IPP: ↓	CO4190023 +MTP: CSNIPD ↓	+ISS: D1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 001 +DRD: 200290 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200290 200290 200290 200290 200290	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
1st Incoming	OBSINF	IPH+IPP: ↓	CO4190023 +MTP: CSNIPD ↓	+ISS: D1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 001 +DRD: 200290 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200290 200290 200290 200290 200290	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
2nd Issue (Outgoing)	MASTER IPL ↓	IPH+IPP: ↓	CO4190023 +MTP: CSNIPD ↓	+ISS: M1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 002 +DRD: 200290 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200290 200290 200290 200290 200290	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
3rd Issue (Outgoing)	CAT 2 UPDATE ↓	IPH+IPP: ↓	CO4190023 +MTP: UPTPCT ↓	+ISS: M1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 003 +DRD: 200890 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200890 200890 200890 200890 200890	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
4th Issue (Outgoing)	CAT 1 UPDATE DRAFT (5 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: UPIPCO ↓	+ISS: D1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 004 +DRD: 221290 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	221290 221290 221290 221290 221290	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
2nd Incoming	OBSINF	IPH+IPP: ↓	CO4190023 +MTP: OBSINF ↓	+ISS: D1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 001 +DRD: 150191 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	150191 150191 150191 150191 150191	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
5th Issue (Outgoing)	CAT 1 UPDATE MASTER (2 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: UPIPCO ↓	+ISS: M1 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 005 +DRD: 200291 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200291 200291 200291 200291 200291	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.
6th Issue (Outgoing)	CAT 1 UPDATE DRAFT (3 MOD's) ↓	IPH+IPP: ↓	CO4190023 +MTP: UPIPCO ↓	+ISS: D2 ↓	+TOD: CO419 +ADD: ↓	XXXUK +FID: T XXXGE XXXSP XXXIT MATBW	+MOI:01+ DRS: 006 +DRD: 200391 +LGE: UK +IPS: Pump. Hydr. ↓ ↓ ↓ ↓ ↓	200391 200391 200391 200391 200391	UK UK UK UK UK	Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr. Pump. Hydr.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ITEM NAME CODE
ABBREVIATION .....	INC
TEXT ELEMENT IDENTIFIER (TEI).....	INC

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Identifies an Item Name in the NATO Codification System.

CODE

Each Item Name is assigned an individual code.

- Approved Item Names as per NATO Item Name Directory H6.
- Non-approved Item Names are assigned code '77777'.

REMARKS

INC is to be provided for all items which have a REASON FOR SELECTION other than '0'.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ITEM SEQUENCE NUMBER</b>
<b>ABBREVIATION .....</b>	<b>ISN</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ISN</b>
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The ISN, together with the CATALOGUE SEQUENCE NUMBER provides the key for each record in the Initial Provisioning (IP) presentation of data. It is also the key to the sequence within the Item Number in which records will be presented in the Illustrated Parts Catalogue.

**CODE**

- Position one & two    -    Enter the numeric sequence number starting '00'.
- Position three        -    Enter variant number starting 'A' through to 'Z' then 0 through to 9 (except alpha I and O).

**REMARKS**

Enter '00A' where only one item is listed at a particular Item Number.  
 Enter '00A' for the first item, of several, listed at the same Item Number.  
 In determining the identity of an Item Number, the Item Number Variant must also be considered. For Example 20, 20J and 20R are all different Item Numbers.  
 The allocation of ISNs beyond the first item is dependent upon the type of items listed at the Item Number and must be carried out under the following rules:-

(Cont. Next Page)

DATA DICTIONARY

DATA ELEMENT DEFINITION

ITEM SEQUENCE NUMBER

(1) VARIANTS

Variants are different versions of an Equipment or Aircraft which because of their high degree of commonality of breakdown may, for the purpose of efficiency, be presented together in a single Initial Provisioning List/Illustrated Parts Catalogue. Variants of equipments will normally be included in the same aircraft at different locations or in the same location on different Aircraft Variants and will each have its configuration standard independently maintained. A configuration change introduced to an equipment or equipment variant at the same location is not considered to be introducing a new variant. Such a change is considered as a 'different configuration standard', for which the ISN allocation is described in paragraph (2).

Variants are liable to modification changes which will result in the need to add additional line entries between pre allocated ISNs. For this reason the ISN allocation against Variants is designed to leave a large range of available ISNs between the variants. This allocation is to apply both to the range of variants when presented in the initial IP and also to any subsequent addition of a variant, which is a new item (not simply a differently configured standard of an existing variant).

The ISN is to be allocated with the numerical sequence number increasing in steps of five.

For example:

	Item Number	ISN
Variant A	0	00A
Variant B	0	05A
Variant C	0	10A

(2) DIFFERENT CONFIGURATION STANDARDS

Configuration standard changes should not normally be subject to subsequent interposing action, however, it is possible for the classification of a modification to demand that the mod is presented ahead of its natural configuration progression and in these circumstances (and possibly others) this interposing action will be necessary. The gap to be left in the allocation of the ISNs therefore, need only be sufficient to provide a safety margin in case the need to interpose a record arises.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## ITEM SEQUENCE NUMBER

The ISN is to be allocated with the Variant number increasing in steps of five.

For example:

Part Number	Item Number	ISN
A (pre mod 1)	6	00A
B (post mod 1) (pre mod 2)	6	00F
C (post mod 2)	6	00L

Subsequent ISN allocations, should further modification action take place, would be: 00R, 00W, 001, 006, 01A, 01F etc.

## (3) INTERCHANGEABILITY

The presentation of two or more interchangeable items, at the same Configuration Standard will not be subject to subsequent changes, which require interposing action. The reason for this is because, when a change is applied to interchangeable items, it must not break the link between them, instead the result should be a pre-change group of interchangeable items followed by a post-change group. The allocation of ISNs for interchangeable items, which are presented at the same Configuration Standard, can therefore be consecutive, because the need will not arise to interpose an item between them.

EXAMPLE	Part Number	ICY	Item Number	ISN
	A	-4	21	00A
	B	44	21	00B
	C	4-	21	00C

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

#### ITEM SEQUENCE NUMBER

**Note:** The allocation of consecutive ISNs for ICY items only applies to those items presented at the same Configuration Standard. When items which are presented at different Configuration Standards also attract ICY codes, these items should be allocated ISNs according to the rules of the previous paragraph (2) - Different Configuration Standards - which states allocate the Variant number in steps of five.

#### (4) SELECT-ON-TEST (SOT). SELECT-ON-FIT (SOF)

As with Variants, these items are also subject to configuration changes, but they will not attract the same intensity of modifications. The allocation of ISNs therefore is to be consecutive through the numerical sequence number.

EXAMPLE	Part Number	SMFI	Item Number	ISN
	X	T	13	00A
	Y	T	13	01A
	Z	T	13	02A

#### (5) MIRRORED ITEMS

As with Variants, the presentation of Mirrored Items utilises the USABLE ON CODE EQUIPMENT or USABLE ON CODE ASSEMBLY and a combined breakdown to avoid duplication and inefficient data presentation.

Also, the Mirrored Items may attract the same intensity of modifications that is associated with Variants. For this reason the rules for allocating the ISN are the same as for Variants: allocate with the numerical sequence number increasing in steps of five.

EXAMPLE	Item Number	ISN
Mirrored item (left hand)	0	00A
Mirrored item (right hand)	0	05A

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

ITEM SEQUENCE NUMBER

## (6) SPECIAL REPAIR PARTS, SPECIAL SPARES CONDITION ITEM

Special Repair Parts (SRP), Special Spares Condition (SSC) Items and their associated Production Build items will also attract configuration changes, but as a general rule, these changes should not require interposing action between the Production Build item and its SRP or SSC counterpart. This is because there will usually be a need to maintain the link between the Production Build item and its SRP or SSC counterpart and the application of a modification will result in a pre-modification linked pair and a post-modification linked pair. Nevertheless, the requirement for this linking cannot be guaranteed and therefore the ISN allocation needs to allow gaps between the items. The same rules as those given for SOT and SOF items are to be used: allocate consecutive numerical sequence numbers.

EXAMPLE	Item Number	ISN
'Production' item	22	00A
Repair Part	22	01A
'Production' item	53	00A
Special Spares Condition	53	01A

## (7) REWORKED ITEM

If an item can be reworked through the in-service application of a Modification Kit and the resulting reworked item attracts a different part number from the production line post modification standard, it should be listed and identified with an SMFI code of "R". This reworked item should be given the same Item Number as the "pre-modification" item and the part number of the "pre-modification" item should be provided in the SMFR. If a production line post-modification standard of the item is also presented, then the sequence in which these three items should appear is, pre-modification, post-modification, reworked, and all three items should have the same Item Number.

As with "Different Configuration Standards", the ISN is to be allocated with the ISN variant number increasing in steps of five.

EXAMPLE	Item Number	ISN	Part Number	SMFI	SMFR	ICY
	23	00A	A (pre mod 1)			
	23	00F	B (pre mod 1)			-2
	23	00L	A1 (pre mod 1)	R	A	1-

Subsequent ISN allocations, should further modifications take place, would be: 00R, 00W, 001, 006, 01A, 01F etc.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ITEM TYPE</b>
<b>ABBREVIATION .....</b>	<b>ITY</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ITY</b>
<b>CHARACTERISTICS</b>	
Format .....	an2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

This code classifies the item ordered into technical/logistical categories.

**CODE**

AG	=	Aerospace Ground Equipment
BD	=	Break Down
BR	=	Break Down Reassurance
CS	=	Consumables
C1	=	Category 1 Container
EA	=	Engine Related Accessories
HE	=	Standard Electrical Hardware Items
HM	=	Standard Mechanical Hardware Items
HW	=	Hardware
LR	=	Line Replaceable Item
MD	=	Module
ML	=	Modification Leaflet
MS	=	Modification Set
NA	=	None of the Other Codes Applies
RE	=	Role Equipment
RM	=	Raw Materials
SM	=	Split Design Module
SW	=	Software

**REMARKS**

1. This code can also be used for planning, budgeting, invoicing and reporting/controlling activities.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

ITEM TYPE

## REMARKS (CONTINUED)

2. The ITY must be provided for all items which have a REASON FOR SELECTION other than 'O'.
3. The National or International Standards which are to be considered in the categorisation of an item either as Code "HE" and "HM" or as "HW" should be agreed between the Customer and Contractor at the start of the project.
4. The exclusion of codes should be agreed between the Customer and Contractor at the start of the project.
5. Application and Allocation Priority of Codes:

ITY	Applicability	Priority over Position
AG	To be applied only to End Items of "AGE".	NA, BD, LR, BR
BD	To be applied to items which are part of the engineering breakdown but not covered by other codes.	NA, BR
BR	To be applied to items which are part of the break down reassurance but not covered by other codes.	NA
CS	To be applied to "Fuels", "Oils", "Fluids", "Adhesives", "Compounds", "Solvents" and other similar materials.	NA, HW, BD, EA, BR
C1	To be applied only to End Items of "Category 1 Containers".	NA, MD, BD, LR, BR
EA	To be applied to all "Engine Accessories" (End Items and spareable breakdown parts except "Standard Items" and "Consumables").	NA, MD, BD, LR, BR
HE	To be applied to "Plugs", "Resistors", "Capacitors", "Sockets" or similar items manufactured to a Standard.	NA, BD, EA, BR
HM	To be applied to "Clamps", "Rivets", "Seals", "Fittings" or similar items manufactured to a Standard.	NA, BD, EA, BR
HW	To be applied to items which are manufactured to a Standard (e.g. "Standard Mechanical Hardware Items" or "Standard Electrical Hardware Items").	NA, BD, EA, BR
LR	To be applied only to those Items which are defined for a project as "Line Replaceable Items".	NA, MD, BD, BR
MD	To be applied to all complete "Module", "Assemblies", "Subassemblies".	NA, BD, BR
ML	To be applied to Modification Leaflets.	all
MS	To be applied only to complete "Mod Set" Part Numbers.	NA, MD, RE, AG, LR, BR
NA	To be applied to those items not covered by another code.	none
RE	To be applied only to End Items of "Role Equipment".	NA, BD, LR, BR
RM	To be applied to Raw or Semi Fabricated materials required to manufacture parts locally.	NA, HW, BD, BR
SM	To be applied to all complete "Split Design Modules", "-Assemblies", "-Subassemblies".	NA, MD, BD, BR
SW	To be applied to Software.	all

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	KEY DATA UNITS
ABBREVIATION .....	KDU
TEXT ELEMENT IDENTIFIER (TEI).....	KDU

## CHARACTERISTICS

Format .....	an..134
Justification .....	
Format of Hardcopy print .....	AAA: an..130
Originator of Data .....	CONTRACTOR/CUSTOMER

## DESCRIPTION/PURPOSE

Enables the identification of the Key Data of a segment.

## CODE

## REMARKS

This Data Element is generated by the message processing system.

As defined in Appendix 2, Section 3, para 3.1 and para 4.4.2. Enter original Key Data Unit without release characters.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	KEYWORD
ABBREVIATION .....	K
TEXT ELEMENT IDENTIFIER (TEI).....	KEY
<b>CHARACTERISTICS</b>	
Format .....	an..12
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To provide a one word noun or noun phrase for an item. It may be abbreviated.

**CODE**

Abbreviations may be made by deleting vowels beginning from the right but retaining the first letter of the word.

If the resulting abbreviations still exceed 12 digits only the first 12 characters may to be used.

**REMARKS**

This Data Element is completely separate from, and maintained independently of, DESCRIPTION FOR PART and DESCRIPTION FOR LOCATION.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	LANGUAGE CODE
ABBREVIATION .....	LC
TEXT ELEMENT IDENTIFIER (TEI).....	LGE

## CHARACTERISTICS

Format .....	a2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the language used for text data transmitted.

## CODE

Taken from the table attached to USER (NATION) CODE. (See Data Element Sheet).

## REMARKS





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	LETTER OF CREDIT NUMBER
ABBREVIATION .....	LCN
TEXT ELEMENT IDENTIFIER (TEI).....	LOC
<b>CHARACTERISTICS</b>	
Format .....	an..30
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

## DESCRIPTION/PURPOSE

Gives a unique reference to a Letter of Credit, which provides a monetary value available for a Contractor to claim against.

## CODE

## REMARKS

This Data Element is also known as 'Documentary Credit Number' in some countries.

The LCN must be unique to a Customer.

The terms and conditions under which the Contractor can claim against Letter of Credit may be specified in a Contract.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... MAINTENANCE PERCENT

ABBREVIATION ..... MP

TEXT ELEMENT IDENTIFIER (TEI)..... MAP

## CHARACTERISTICS

Format ..... n..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates the percentage of the removals estimated for Organisational and Intermediate Maintenance for those items which may be removed both for Organisational and Intermediate Maintenance and for Depot Level Repair and Overhaul.

## CODE

Enter the actual percentage.

## REMARKS

The MP must be provided for all items which have a SOURCE MAINTENANCE RECOVERABILITY Code fourth character of 'D', and will be provided only for items which have a REASON FOR SELECTION other than '0'.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... MEAN TIME BETWEEN FAILURES

ABBREVIATION ..... MTBF

TEXT ELEMENT IDENTIFIER (TEI)..... TBF

## CHARACTERISTICS

Format ..... n..6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The MTBF is the unfactored, predicted interval, expressed in a specific measurement unit, between failures of an item.

## CODE

Enter the actual number of measurement units as qualified by the TIME/CYCLE INDICATOR/MTBF (TCM).

## REMARKS

A failure is any primary malfunction of a system, sub system, equipment or component which requires correction by unscheduled maintenance work.

The MTBF is to be provided against items which have a REASON FOR SELECTION other than '0' and a SPARE PARTS CLASSIFICATION of '2' or '6' for those items subject to MTBF.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	MEAN TIME BETWEEN FAILURES/ TCIBF
ABBREVIATION .....	MTBFI
TEXT ELEMENT IDENTIFIER (TEI).....	MTI

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

The predicted interval, expressed in a specific measurement unit, between failures of an item.

CODE

REMARKS

A Composite Data Element composed of:

- MEAN TIME BETWEEN FAILURES (MTBF)
- TIME/CYCLE INDICATOR/TCIBF (TCM)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	MESSAGE IDENTIFIER
ABBREVIATION .....	MID
TEXT ELEMENT IDENTIFIER (TEI).....	MID
<b>CHARACTERISTICS</b>	
Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

To identify a message structure as defined in the appropriate branching diagram.

**CODE****REMARKS**

A Composite Data Element (S009) composed of the following ISO 9735 Data Elements (see App. 2 Annex E)

MESSAGE TYPE	—	0065
MESSAGE VERSION NUMBER	—	0052
MESSAGE RELEASE NUMBER	—	0054
CONTROLLING AGENCY	—	0051
ASSOCIATION ASSIGNED CODE	—	0057



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	MESSAGE REFERENCE NUMBER
ABBREVIATION .....	MRN
TEXT ELEMENT IDENTIFIER (TEI) .....	MRN
<b>CHARACTERISTICS</b>	
Format .....	an..14
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR
<b>DESCRIPTION/PURPOSE</b>	
A sender's unique message reference	

CODE

REMARKS

See ISO 9735 data element 0062



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	MESSAGE TYPE
ABBREVIATION .....	MT
TEXT ELEMENT IDENTIFIER (TEI).....	MTP
<b>CHARACTERISTICS</b>	
Format .....	an..6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR
<b>DESCRIPTION/PURPOSE</b>	
To indicate the type of message.	

**CODE**

See Appendix 2, Annex C.

**REMARKS**

The MT is identical to (0065) in ISO 7372 but is also used for an additional purpose as user data.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	MINIMUM SALES QUANTITY
ABBREVIATION .....	MSQ
TEXT ELEMENT IDENTIFIER (TEI).....	MSQ

CHARACTERISTICS

Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Identifies the minimum quantity which can be purchased at the quoted UNIT PRICE.

CODE

Enter the actual quantity conforming to the UNIT OF ISSUE.

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

MODEL IDENTIFICATION

ABBREVIATION .....

MI

TEXT ELEMENT IDENTIFIER (TEI).....

MOI

CHARACTERISTICS

Format ..... an2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Identifies the Project (ie: Weapon System, Aircraft, Engine or other like system) to which a data presentation, transaction or message relates.

CODE

See next page

Code "00" see Remarks

REMARKS

Code will be allocated centrally in accordance with the details given in Specification 2000M, Section A1-1, paragraph 7.

When there is no direct relationship to a particular Project, Code "00" should be used.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### MODEL IDENTIFICATION

##### CODE:

01	Engine MTR390T without reduction gear
02	Engine MTR390 with reduction gear
03	Engine NH-90
09	Agusta A109 Helicopter
10	EH 101 Helicopter
19	Agusta A119 Helicopter
1A	Tornado
1B	JF90/EFA Aircraft
1D	AECMA Spec 1000D (Provisional for next, restructured issue)
1K	F-104 Aircraft
1M	MB-339 Aircraft
1N	Tornado GR4/GR4A Aircraft UK only
1P	AM-X Aircraft
1X	Tornado ADV Aircraft
1Y	Tornado IDS Aircraft and IDS/ADV Tornado common
1Z	Tornado ECR Aircraft GE and IT
20	AECMA Spec 2000M
29	Agusta A129 Helicopter
2M	G222 Transport Aircraft (C-27)
2N	Nimrod 2000
2P	BMW Rolls Royce 710 Engine used on Nimrod 2000
30	Allison Engine
41	J79-11A Engine
42	J79-J1 Engine
43	J79-17A Engine
44	Agusta/Bell AB412 Helicopter
50	Larzac Engine
60	Tyne Engine
61	T64 Engine
62	T62 Engine
75	ASRAAM TOM
76	ASRAAM ATM
77	ASRAAM
78	ASRAAM OM
79	ASRAAM GHTM
88	M88 Engine
A1	Rafale Aircraft

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## MODEL IDENTIFICATION

A2	Rafale Aircraft V2	
A3	Rafale Aircraft V3	
A4	Rafale Aircraft V4	
A5	Rafale Aircraft V5	
A6	Rafale Aircraft V6	
A7	Rafale Aircraft V7	
A8	Rafale Aircraft V8	
A9	Rafale Aircraft V9	
AA	APACHE Missile	
AB	MICA Missile	
AD	ADLER -Artillerie-, Daten-, Lage-und Einsatz-Rechnerverbund (Integrated Artillery Computer System)	
AE	AECMA Spec 1000D	
AH	Attack Helicopter	
AK	Medium Range third Generation Anti-Tank guided Weapon System	
AL	Long Range third Generation Anti-Tank guided Weapon System	
AR	Systeme der Artillerie (Artillery Systems)	
B1	Adour Engine	
B2	Pegasus Engine	
BA	BAe Hawk MK 1	
BB	BAe Hawk MK 50	
BC	BAe Hawk MK 60	
BD	BAe Hawk MK 100	
BE	BAe Hawk MK 200	
BF	McDonnell Douglas T45	
BK	BAe Harrier Trainer	
BL	BAe Harrier GR Variant	
BM	BAe Harrier FRS Variant	
BN	BAe Harrier (Non-UK Variants)	
BV	Drone Brevel	
C2	Challenger 2 Main Battle Tank	
C4	CANBERRA T4	
C7	CANBERRA PR 7	
C9	CANBERRA PR 9	
CH	Chinook Helicopter	
CL	Reconnaissance System Drone CL-289	
D1	Dornier 328	
DV	DV-Ausstattung Feuerleitung Artillerie/Mörser (Data Processing Fire Control Artillery/Mortar)	
E1	Engine RB199/EFA	
E2	Engine EJ200	

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### MODEL IDENTIFICATION

E3	ATLANTIS-AWACS Technical Library for Automated NATO Technical Information System
EA	Engine Type T55-L-714A for CHINOOK Helicopter
EB	EH101 (Naval) Helicopter
EC	EH101 (Civil) Helicopter
ED	EH101 (Development) Helicopter
EL	Systeme für die Elektronische Kampfführung des Heeres (Army Electronic Warfare Systems)
EU	EH101 (Utility) Helicopter
FR	Fregatte 124 (Frigate 124)
GA	Datenübertragungsgerätsatz UHF (Data Transmission Equipment Set UHF)
GE	Flugabwehrkanonen-Panzer GEPARD (Anti-aircraft Gun Tank)
GZ	Gazelle (UK) Helicopter
HJ	Hercules C 130 J
J0	JAS39 Prototype Aircraft
J1	JAS39A Aircraft
J2	JAS39B Aircraft
J3	Gripen (Saab-BAe)
JA	NH90 (Tactical Transport Helicopter (TTH)/NATO Frigate Helicopter (NFH))
JP	TIGER (PAH2/HAC), GERFAUT (HAP) Helicopter
L1	Lychgate-Comms Air/Ground Application
L2	DIRCM -IR Counter Measure (Tri-service Application)
LA	Lynx (Utility) Helicopter
LB	Lynx (Naval) Helicopter
M1	RM12 Engine
M3	RTM 322 Engine
MA	MARS-Mittleres Artillerie Raketen System (MLRS-Multiple Launch Rocket System)
PB	Puma (RAF)
PC	ISLANDER Air Vehicle, Air Application
PN	Pilatus Britten-Norman BN-2T/4 Defender 4000
QU	Code for cross-referenced Data Modules
R1	ASTOR Radar, Air-Ground Application
R2	TREF - Reconnaissance Equipment, Air Application
RA	Aufklärungsradar RATAc-S (Reconnaissance Radar RATAc-S)
RI	"Richtfunk mobil"-System (Mobile radio relay communication system)
S1	Saab 105 O
SA	Sea King (Utility) Helicopter
SB	Sea King (Naval) Helicopter
SC	SCRIBE - Mobile Equipment for Electronic Protection
SE	AECMA Simplified English

DATA DICTIONARY

DATA ELEMENT DEFINITION

MODEL IDENTIFICATION

T1	Engine RB199/TORNADO	
TA	Système de Télécommunication Alcatel	
TS	SOCRATE - Système Opérationnel Constitué des Réseaux des Armées pour les Télécommunications	
TT	TTTE Aircraft	
UB	Unterseeboot U212 (Submarine U212)	
W1	Instandsetzungsausstattung MES 2 IFAB/ADLER (Maintenance equipment set IFAB/ADLER I-level)	
W2	Instandsetzungsausstattung MES 2 ARES/ADLER (Maintenance equipment set ARES/ADLER I-level)	



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... MODEL VERSION

ABBREVIATION ..... MV

TEXT ELEMENT IDENTIFIER (TEI)..... MOV

## CHARACTERISTICS

Format ..... an..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the specific version of the Customer's Project (described by the Model Identification) on which an item is fitted in this location.

## CODE

Suggested codes for Aircraft versions could be:

S - Single Seat Aircraft

T - Twin Seat Aircraft

R - Reconnaissance Aircraft

## REMARKS

MV is to be provided in support of all chapterized Initial Provisioning (IP) presentations, even if only one MV exists.

This data element will be provided only in the IP presentation of the Project; it will not be given in the separate IP presentation of equipments. The codes to be used will be agreed between the Customer and Contractor at the commencement of a project.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... NATO ITEM IDENTIFICATION NUMBER

ABBREVIATION ..... NIIN

TEXT ELEMENT IDENTIFIER (TEI)..... NIN

## CHARACTERISTICS

Format ..... n9

Justification .....

Format of Hardcopy print..... NN-NNN-NNNN

Originator of Data ..... CONTRACTOR/HOME NCB

## DESCRIPTION/PURPOSE

The NATO ITEM IDENTIFICATION NUMBER is assigned to each approved item identification and is the identification number within NATO for that item of supply. The NIIN forms the last nine digits of the NATO STOCK NUMBER (NSN).

## CODE

Positions one to two - Identifies the National Codification Bureau (NCB) which assigned the NSN.

Positions three to nine - A non-significant number assigned by the codifying NCB.

## REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NATO STOCK NUMBER
ABBREVIATION .....	NSN
TEXT ELEMENT IDENTIFIER (TEI).....	NSN

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print.....	NNNN-NN-NNN-NNNN
Originator of Data .....	CONTRACTOR/HOME NCB.

DESCRIPTION/PURPOSE

Provides a unique identification of an item of supply by a number assigned under the NATO Codification System to each approved Item Identification.

CODE

REMARKS

A Composite Data Element composed of:

- NATO SUPPLY CLASS (NSC)
- NATO ITEM IDENTIFICATION NUMBER (NIN)

The NSN, when available, is required for all items which have a REASON FOR SELECTION other than '0'.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

NATO STOCK NUMBER

**REMARKS (cont.)**

When the NSN is provided, the data elements REFERENCE NUMBER VARIATION CODE and REFERENCE NUMBER CATEGORY CODE must also be provided in Provisioning documentation.

During the Provisioning process and prior to the allocation of a full NSN, it will be necessary for the Contractor to complete the NATO SUPPLY CLASS instead of the full NSN. When the NIN has been allocated by the NCB, the full NSN must be used.

In case of a non definitive PART NUMBER refer to the "REMARKS" in the PART NUMBER Data Element sheet.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

<b>DATA ELEMENT NAME .....</b>	<b>NATO SUPPLY CLASS</b>
<b>ABBREVIATION .....</b>	<b>NSC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>NSC</b>

**CHARACTERISTICS**

Format .....	n4
Justification .....	
Format of Hardcopy print.....	NNNN
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Provides the supply classification assigned under the NATO Codification System to an item of supply, an item of production and/or a homogeneous area of commodities in respect to their physical or performance characteristics.

**CODE**

**REMARKS**

The NSC is required for all items which have a REASON FOR SELECTION other than '0'. The NSC is to be selected from the publication H6, Federal Item Name Directory (will be superseded by ACodP-3, NATO Item Name Directory), which contains the Item Name, the Item Name Code and the appropriate NSC.

If not listed in H6 (ACodP-3) the NSC is to be selected from the publication H2-1/-2, Federal Supply Classification, Part 1 Groups and Classes, Part 2 Numeric Index (will be superseded by ACodP-2, NATO Supply Classification Handbook).



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NATO SUPPLY CODE FOR
ABBREVIATION .....	MANUFACTURERS
	NSCM
TEXT ELEMENT IDENTIFIER (TEI).....	MFC

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

In accordance with NATO Standards, this code identifies the Manufacturer, or Organization considered as Manufacturer, who allocates the PART NUMBER.

Additionally, within this Specification the NSCM is used as a standard identifier of other Organizations and Establishments (including Customers).

CODE

As specified in the NATO Supply Code for Manufacturers Cataloguing Handbook H4 series.

REMARKS

NSCM has to be read in conjunction with PART NUMBER to ensure complete item identification.

When no NSCM specified but, according to NATO rules should be available in H4 series handbook, apply to National NCB for allocation of a new NSCM.

When allocation of new NSCM is not applicable, apply to AECMA (see Section A1-1 paragraph 7) for allocation of alternative AECMA code.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NATO SUPPLY CODE FOR
ABBREVIATION .....	MANUFACTURERS/UNC
	NSCUC
TEXT ELEMENT IDENTIFIER (TEI).....	MFU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To identify a NATO SUPPLY CODE FOR MANUFACTURERS within a country.

CODE

REMARKS

A Composite Data Element composed of:

- NATO SUPPLY CODE FOR MANUFACTURERS (MFC)
- USER (NATION) CODE (USR).



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NOT ILLUSTRATED
ABBREVIATION .....	NI
TEXT ELEMENT IDENTIFIER (TEI).....	NIL
<b>CHARACTERISTICS</b>	
Format .....	an1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates that an item is not illustrated and that its Item Number does not appear in the illustration for the Figure in which the item is listed.

**CODE**

When an item is not illustrated insert a hyphen '-' in the NI field.

**REMARKS**

Examples of the conditions under which an item would not be illustrated are:

- Where it is not possible adequately to represent an item on an illustration and where it is not necessary to do so.
- Consumables, Raw Materials and bulk Hardware (e.g. solder, wire, sleeving).
- Where an assembly is not drawn as an assembly but is drawn broken down, and its association with its Item Number on the illustration cannot be made.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NOTICOL NUMBER
ABBREVIATION .....	NNR
TEXT ELEMENT IDENTIFIER (TEI).....	NNR

CHARACTERISTICS

Format .....	an..14
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONSIGNOR

DESCRIPTION/PURPOSE

The NOTICOL NUMBER is a non-duplicative number to identify an advice, "Notification for Collection", released by a consignor to indicate the availability of goods for collection.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

NOTICOL ORIGINATOR

ABBREVIATION .....

NO

TEXT ELEMENT IDENTIFIER (TEI).....

NOR

CHARACTERISTICS

Format ..... an5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONSIGNOR

DESCRIPTION/PURPOSE

A code to identify the Originator of the Noticol.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS. (See Data Element sheet).

REMARKS





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	NOTICOL ORIGINATOR/UNC
ABBREVIATION .....	NOUNC
TEXT ELEMENT IDENTIFIER (TEI).....	NOU

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONSIGNOR

### DESCRIPTION/PURPOSE

To identify NOTICOL ORIGINATOR within a country.

### CODE

### REMARKS

A Composite Data Element composed of:

- NOTICOL ORIGINATOR (NOR).
- USER (NATION) CODE (USR).



**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

<b>DATA ELEMENT NAME .....</b>	<b>OBSERVATION</b>
<b>ABBREVIATION .....</b>	<b>OBS</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>OBS</b>

**CHARACTERISTICS**

Format .....	an..130
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER / CONTRACTOR

**DESCRIPTION/PURPOSE**

Information/comments provided by the CONTRACTOR to a CUSTOMER or vice versa on previously transmitted data or illustrations.

**CODE**

Enter coded or free format text.

**REMARKS**



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	OBSERVATION SEQUENCE NUMBER
ABBREVIATION .....	OSN
TEXT ELEMENT IDENTIFIER (TEI).....	OSN

CHARACTERISTICS

Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

The OSN is a counter to ensure proper sequencing of observations in cases where the value of the data element OBSERVATION exceeds 130 characters.

CODE

REMARKS

The OSN starts with "1" whenever the segment code, or the Key Data Units of an Observation segment, changes.

Range is 1 to 5 sequentially.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	OFFSET PERCENTAGE RATE
ABBREVIATION .....	OPR
TEXT ELEMENT IDENTIFIER (TEI).....	OPR

## CHARACTERISTICS

Format .....	n..6
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

A percentage figure agreed within a Prime Contract to calculate installment offset.

## CODE

Enter the actual percentage with three implied decimal places.

## REMARKS

The format of the hard copy print is n..3, decimal point, n3.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	OFFSET VALUE
ABBREVIATION .....	OFV
TEXT ELEMENT IDENTIFIER (TEI).....	OFV
<b>CHARACTERISTICS</b>	
Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The value of an offset determined by the OFFSET PERCENTAGE RATE as laid down in a contract.

**CODE**

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para. 3.3.3.

**REMARKS**

The format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

ORDER NUMBER

ABBREVIATION .....

ODN

TEXT ELEMENT IDENTIFIER (TEI).....

IPO

CHARACTERISTICS

Format ..... an..14

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

A unique number to identify Orders placed by Customers on Contractors.

CODE

REMARKS

This number may be subject to particular structuring which will be established in a main contract.

The IPO is to be quoted in all messages which relate to the order.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ORIGINAL INVOICE DATE
ABBREVIATION .....	OID
TEXT ELEMENT IDENTIFIER (TEI) .....	OID

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

The date allocated to an original, or previous, Invoice.

CODE

DDMMYY

REMARKS

The meaning of the Invoice Date must be defined within a Prime Contract.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ORIGINAL INVOICE NUMBER
ABBREVIATION .....	OIN
TEXT ELEMENT IDENTIFIER (TEI).....	OIN
<b>CHARACTERISTICS</b>	
Format .....	an..20
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The number allocated to an Invoice issued prior to the current Invoice to which reference is made.

**CODE**

**REMARKS**





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ORIGINAL INVOICE TOTAL TAX VALUE

ABBREVIATION ..... OITTV

TEXT ELEMENT IDENTIFIER (TEI)..... TTV

## CHARACTERISTICS

Format ..... n..15

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

To indicate an ORIGINAL INVOICE TOTAL TAX VALUE

## CODE

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, Section 3, para. 3.3.3.

## REMARKS

The format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ORIGINAL INVOICE TOTAL
	VALUE GROSS
ABBREVIATION .....	OITVG
TEXT ELEMENT IDENTIFIER (TEI).....	OGG

CHARACTERISTICS

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To indicate an ORIGINAL INVOICE TOTAL VALUE GROSS including the ORIGINAL INVOICE TOTAL TAX VALUE.

CODE

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para. 3.3.3.

REMARKS

The format of Hardcopy print is n..13, decimal point, n2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ORIGINAL INVOICE TOTAL VALUE NETT

ABBREVIATION ..... OITVN

TEXT ELEMENT IDENTIFIER (TEI)..... OGV

## CHARACTERISTICS

Format ..... n..15

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

To indicate an ORIGINAL INVOICE TOTAL VALUE NETT.

## CODE

Enter the actual value with two implied decimal places.

May be positive or negative.

Refer to Appendix 2, Section 3, para. 3.3.3.

## REMARKS

The format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>ORIGINATOR</b>
<b>ABBREVIATION .....</b>	<b>ORT</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>ORT</b>
<b>CHARACTERISTICS</b>	
Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

A code to identify an ORIGINATOR of related data.

**CODE**

Use NATO SUPPLY CODE FOR MANUFACTURERS.  
(See Data Element Sheet)

**REMARKS**

Related to ORIGINATOR REFERENCE NUMBER:  
The ORT is generally used if the customer is an agency to cross refer agency order details to original Customer's order books.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ORIGINATOR REFERENCE NUMBER

ABBREVIATION ..... ORN

TEXT ELEMENT IDENTIFIER (TEI)..... ORN

CHARACTERISTICS

Format ..... an..14

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

A non-duplicative number which may be used as reference information to identify orders or partial orders.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ORIGINATOR REFERENCE NUMBER/ ORT/UNC
ABBREVIATION .....	ORU
TEXT ELEMENT IDENTIFIER (TEI).....	ORU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

DESCRIPTION/PURPOSE

To identify the ORIGINATOR REFERENCE NUMBER and the relevant ORIGINATOR within a country.

CODE

REMARKS

- A Composite Data Element composed of:
- ORIGINATOR REFERENCE NUMBER (ORN)
  - ORIGINATOR (ORT)
  - USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	OWN BRANCH INDICATOR
ABBREVIATION .....	OBI
TEXT ELEMENT IDENTIFIER (TEI).....	OBI
<b>CHARACTERISTICS</b>	
Format .....	an..20
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

An indication of a general type of trade required by National/EC Tax authorities for Intra-EC movements.

**CODE**

**REMARKS**



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>PACKAGING LEVEL CODE</b>
<b>ABBREVIATION .....</b>	<b>PLC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>PLC</b>
<b>CHARACTERISTICS</b>	
Format .....	an1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

Specifies the packaging requirement for an item.

### CODE

The Codes must take the STANAG 4280 'NATO Levels of Requirements for Packaging' into consideration.

Codes see next page.

### REMARKS

1. The PLC must be provided for all items which have a REASON FOR SELECTION other than '0'.
2. When an item is given a PLC which signifies a CATEGORY 1 CONTAINER, this container must also have its own discrete data record presented and the CATEGORY 1 CONTAINER LOCATION must also be provided (relates to Chapter 1).



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## PACKAGING LEVEL CODE

Packaging Level Code	NATO Levels of Requirements for Packaging	Description
0	N/A	No Packaging required. To be used for certain AGE end items and for CATEGORY 1 CONTAINER.
1	1	Duration: 1 Year Outdoors Location: NATO Wide Open or enclosed movement by land, air or sea under operational conditions. Multiple Handling
2	2	Duration: 3 Years Outdoors Location: NATO Europe Open or enclosed movement by land, air or sea under operational conditions. Multiple Handling
3	3	Duration: 5 Years in ventilated permanent buildings Location: NATO Europe Enclosed movement by land, air or sea. Multiple Handling with mechanical handling equipment.
4	4	Duration: 1 Year in ventilated permanent buildings Location: NATO Europe Common carrier conditions only. Minimal Handling by mechanical handling equipment.
5	N/A	Trade Pack Package normally used by the manufacturer for commercial deliveries of the material
7	1	Same definition as Code 1 + CATEGORY 1 CONTAINER required
8	2	Same definition as Code 2 + CATEGORY 1 CONTAINER required
9	3	Same definition as Code 3 + CATEGORY 1 CONTAINER required

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>PART NUMBER</b>
<b>ABBREVIATION .....</b>	<b>PN</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>PNR</b>
<b>CHARACTERISTICS</b>	
Format .....	an..32
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

A combination of characters assigned to identify without ambiguity an item manufactured to a certain specification.

To ensure no ambiguity exists PART NUMBER must be advised in conjunction with the NATO SUPPLY CODE FOR MANUFACTURERS to indicate clearly the specification standard to which the item is manufactured.

**CODE**

The PART NUMBER allocated by the Manufacturer holding the design rights must be given as the prime PART NUMBER unless the item is a standard part.

For standard parts, the PART NUMBER used in the standard is to be used together with the NATO SUPPLY CODE FOR MANUFACTURERS of the Authority controlling the Standard.

PART NUMBERS must always be definitive.

The formatting of the PART NUMBER is to be in agreement with the NATO Manual on Codification ACodP-1 Chapter IV, Annex A, (See Attachment).

**REMARKS**

In NATO Codification procedures, a PN is known as a 'Reference Number'.

In those exceptional circumstances where the existence of a non-definitive PN cannot be avoided, the NATO STOCK NUMBER together with the PN and NATO SUPPLY CODE FOR MANUFACTURERS should be used as a definitive identification of the part.

DATA DICTIONARY  
DATA ELEMENT DEFINITION

NATO UNCLASSIFIED  
1V-A-01  
ACodP-1  
Chapter IV  
Annex A

NATO FORMATTING OF REFERENCE NUMBERS FOR INTERNATIONAL TRANSACTIONS

1. Reference number in international transactions (for stock number assignment, search by reference number additions to existing items, and revisions to recorded references) will be submitted as originally configured by the manufacturer, design control activity or supplier, whenever it is made of characters included in the NATO character sub-set (see Chapter 5, Sub-Section 553, table 21, and not otherwise covered by the exceptions of this document. In this case, this totally 'in-the-clear' reference number will receive the Reference Number Format Code (RNFC) 4.
2. When a word appears as part of the reference number, enter the complete word (and space(s)) as it appears in the original configuration and language, e.g.:

A|B|1|2|3|-|I|T|E|M|2|4|6|9|  
A|B|1|2|3|-|D|E|T|A|I|L|4|6|9|  
A|B|1|2|3|-|P|I|E|C|E|4|6|9|  
A|B|1|2|3|-|A|S|E|M|B|L|Y|6|  
A|B|1|2|3|-1|A|N|D|A|B|1|2|3|-3|A|N|D|A|B|1|2|3|7|

3. When submitting a reference number which utilizes parentheses without enclosed data the parentheses are to be input.

Reference Number	Correct Modification	PART NUMBER
R D -3 1 ( )  ) / U	R D -3 1 ( )  ) / U	
A N / G R C -5 ( )  )	A N / G R C -5 ( )  )	
A M -6 ( )  ) G R C -5	A M -6 ( )  ) G R C -5	



## DATA ELEMENT DEFINITION

REV: 02

IV-A-03

ACodP-1  
Chapter IV  
Annex A

8. In international transactions numbers are limited in length to 32 characters. When a reference number exceeds 32 characters, the first 31 characters will be entered with a dash as the 32nd character.

## Correct Modification

A	B	1	2	3	-	I	T	E	M	2	,	4	,	6	,	9	,	1	3	,	1	4	,	1	6	,	1	7	,	1	9	,	2	0		A	B	1	2	3	-	I	T	E	M	2	,	4	,	6	,	9	,	1	3	,	1	4	,	1	6	,	1	7	,	1	9	,	2	0	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--

9. Use spaces where applicable. A space will be one character in width. No more than one space in direct sequence will be allowed. Use an oblique stroke (/) in the representation of a fraction. Insert a single space between the converted expression of the fraction and the preceding and following numeric characters.

## Correct Modification

[illegible]

10. Where the symbol for degrees is used to indicate temperature or angle values, replace this symbol with the abbreviation DEG.

## Correct Modification

[illegible]

## DATA ELEMENT DEFINITION

## PART NUMBER

11. The following techniques will be used when a single item identifying part or drawing number does not exist, and it is necessary to fabricate a single reference number from several prime part of drawing numbers or it is necessary to include item identifying text in the reference number:

- (a) The word NUMBER, and the abbreviation NO. for number, when they are included in the original item identifying date, will be omitted.

Reference Number										Correct Modification																		
2	0	2	SF	NO.	5	F	I	T		2	0	2	SF	5	F	I	T											
7	/	1	6	BAL	L	GRA	D	E	N	U	M	B	E	R	1	7	/	1	6	BAL	L	GRA	D	E	1			
3	4	B	X	4	NO	I	NN	E	R	R	A	C	E		3	4	B	X	4	NO	I	NN	E	R	R	A	C	E

- (b) Any of the qualifying words **PIECE**, **ITEM**, **DETAIL**, **FIGURE**, **PART**, **ASSEMBLY**, **SUB-ASSEMBLY**, **PATTERN**, **SKETCH**, **REVISION**, **ALTERATION**, **AMENDMENT**, **PARAGRAPH**, **SECTION** or **GROUP** (or their equivalents in the language of the country of origin) may follow a drawing number, separated from the drawing number by a space. The qualifying word itself, when used, will be followed by a space then the number and/or letters applicable to the qualifying word.
- (c) Multiple qualifying numbers/letters can be reported by showing the qualifying word followed by the qualifying numbers/letters separated by commas.
- (d) Numbers which are in a sequence of more than two should be indicated by showing the first and last number of the sequence separated by the word **TO** (or its equivalent in the language of the country of origin). The word **TO** (or its equivalent) will mean 'to and including' and will always be preceded and followed by a space.
- (e) If it is necessary to show the sheet number to identify an item, use the word **SHEET** (or its equivalent in the language of the country of origin), followed by a space and the sheet number, after, but separated, by a space from, the qualifying numbers/letters.

## DATA ELEMENT DEFINITION

REV: 02

IV-A-05

ACodP-1  
Chapter IV  
Annex A

(f) Abbreviation will not be used in the preparation of reference records without authorization from the NBC of the producing country.

Reference Number	Correct Modification
4 7 6 1 Ø D 3  D E T A I L  N O .  3 ,  4 ,  a n d   5	4 7 6 1 Ø D 3  D E T A I L   3   T O   5
1 6 9 3 2  I T E M   1 ,  2 ,  5 ,  6 ,  7 ,  9 ,  1 Ø ,  1 2	1 6 9 3 2  I T E M   1 ,  2 ,  5   T O   7 ,  9 ,  1 Ø ,  1 2
6 1 9 Ø  A S S E MB L Y   2 9  S H E E T   N O .  1	6 1 9 Ø  A S S E MB L Y   2 9  S H E E T   1
P 3 8 2 1 4 6  P i e c e   A 1 2 ,  M 1 9	P 3 8 2 1 4 6  P i e c e   A 1 2   M 1 9

(g) When it is necessary for a reference to consist of two or more prime part of drawing numbers, use the word AND (or its equivalent in the language of the country of origin) between the prime numbers. Do not use the word AND between sub-numbers, such as group, piece and the like, or between prime and sub-numbers.

Reference Number	Correct Modification
4   7   6   Ø   D   3   D   E   T   A   I   L   N   O   .   3   ,   4   ,   5   a   n   d   4   7   6   Ø   D   4	4   7   6   Ø   D   3   D   E   T   A   I   L   3   T   O   5   A   N   D   4   7   6   Ø   D   4
G   H   -   6   9   5   Ø   4   -   4   .   H   5   5   7   1   5   D   E   T   A   I   L   1   9	G   H   -   6   9   5   Ø   4   -   4   A   N   D   H   5   5   7   1   5   D   E   T   A   I   L   1   9
M   L   -   7   2   8   6   a   n   d   M   L   -   1   F   i   g   u   r   e   6	M   L   7   2   8   6   A   N   D   M   L   -   1   F   I   G   U   R   E   6

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

PAYMENT DATE

ABBREVIATION .....

DP

TEXT ELEMENT IDENTIFIER (TEI) .....

DPY

## CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The date by which settlement of the Invoice or Summary Claim is required.

## CODE

DDMMYY

## REMARKS

This data element may also be used in payment status transactions for an indication of payment already made or to be made in the future.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PAYMENT STATUS ADVICE NUMBER

ABBREVIATION ..... PSAN

TEXT ELEMENT IDENTIFIER (TEI) ..... PAN

CHARACTERISTICS

Format ..... an..14

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

A unique number to identify a Payment Status Advice.

CODE

REMARKS

This number may be subject to particular structuring which will be established in a main contract.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PAYMENT TERMS
ABBREVIATION .....	PT
TEXT ELEMENT IDENTIFIER (TEI) .....	PYT

CHARACTERISTICS

Format .....	an..4
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

A code identifying the terms of payment as agreed within a Prime Contract or on subsequent Order placement.

CODE

REMARKS

Codes should be agreed by Customer and Contractor prior to the beginning of a contract.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY DATA ELEMENT DEFINITION**

#### **PAYMENT TERMS**

#### **EXAMPLES:**

CASH: Cash only

N30D: Net 30 days

COD : Cash on delivery

ACCT: Account

FINC: Financial Compensation

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PERIOD END DATE
ABBREVIATION .....	PED
TEXT ELEMENT IDENTIFIER (TEI).....	PED

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print.....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

Identifies the end date of a time period.

CODE

DDMMYY

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PERIOD OF PERFORMANCE
ABBREVIATION .....	POP
TEXT ELEMENT IDENTIFIER (TEI).....	POP
<b>CHARACTERISTICS</b>	
Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

A Composite Data Element used to identify the period in which work was performed.

**CODE**

**REMARKS**

A Composite Data Element composed of:

- PERIOD START DATE (PSD)
- PERIOD END DATE (PED)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PERIOD START DATE
ABBREVIATION .....	PSD
TEXT ELEMENT IDENTIFIER (TEI).....	PSD

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

Identifies the start date of a time period.

CODE

DDMMYY

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PERIODIC ARISING FORECAST

ABBREVIATION ..... PAF

TEXT ELEMENT IDENTIFIER (TEI) ..... PAF

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

The quantity of a repairable item that is estimated to be delivered to a Repair Agency/ Contractor in a given period.

The period is specified by a PERIOD START DATE and a PERIOD END DATE.

CODE

REMARKS

A Composite Data Element composed of:

- PERIOD START DATE (PSD)
- PERIOD END DATE (PED)
- QUANTITY (QTY)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PERIODIC ORDER FORECAST

ABBREVIATION ..... POF

TEXT ELEMENT IDENTIFIER (TEI) ..... POF

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

The quantity of an item that is estimated to be ordered by a Customer or Subcontractor in a given period. The period is specified by a PERIOD START DATE and a PERIOD END DATE.

CODE

REMARKS

- A Composite Data Element composed of:
- PERIOD START DATE (PSD)
  - PERIOD END DATE (PED)
  - QUANTITY (QTY)



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

**DATA ELEMENT NAME** ..... **PHYSICAL SECURITY/PILFERAGE CODE**

**ABBREVIATION** ..... **PSPC**

**TEXT ELEMENT IDENTIFIER (TEI)** ..... **PSC**

#### CHARACTERISTICS

Format ..... an1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

#### DESCRIPTION/PURPOSE

A code supplied by the Customer to indicate security classification of and/or security risk or pilferage controls for storage and retrieval of physical assets.

#### CODE

See Table, taken from NATO Manual On Codification ACodP-1.

#### REMARKS

The use of this data element and the terms for its application are to be agreed between the Customer and Contractor at the start of the Project.

The PSPC will only be provided for items which have a REASON FOR SELECTION other than '0'.

In NATO Codification procedures the PSPC is known as "Controlled Inventory Item Code".



DATA DICTIONARY

DATA ELEMENT DEFINITION

PHYSICAL SECURITY/PILFERAGE CODE

**Classified Items Code:** A code indicating that the material requires protection in the interest of national security.

CODE	EXPLANATION
A	Confidential - Formerly Restricted Data
B	Confidential - Restricted Data
C	Confidential
D	Confidential - Cryptologic
E	Secret - Cryptologic
F	Top Secret - Cryptologic
G	Secret - Formerly Restricted Data
H	Secret - Restricted Data
K	Top Secret - Formerly Restricted Data
L	Top Secret - Restricted Data
O	Item contains naval nuclear propulsion information; disposal and access limitations are identified in NAVSEAINST C 5511.32. Store and handle in a manner which will preclude unauthorized access to this material.
S	Secret
T	Top Secret
U	Unclassified
7	Item displays sensitive information. Prior to disposal, all name plates, label plates, meter face plates, tags, stickers, documents or markings, which relate items to weapons system/end item application, must be removed and destroyed.
9	Identifies an item as a Controlled Cryptographic Item - CCI -. CCI is described as secure telecommunications or information handling equipment, associated cryptographic component, or other hardware item which performs a critical Communication Security - COMSEC - function. Items so designated are unclassified but controlled, and will bear the designation "Controlled Cryptographic Item" or "CCI".

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## PHYSICAL SECURITY/PILFERAGE CODE

CODE	EXPLANATION
&	Restricted
@	Item classified but level of classification not yet indicated/determined
<b>Sensitive Items Code:</b> Material which required a high degree of protection and control due to statutory requirements or regulations, such as narcotics and drug abuse items, precious metals, items which are of high value, highly technical, hazardous, small arms, ammunition, explosives and demolition material:	
1	Highest Sensitivity (Category I) - Nonnuclear missiles and rockets in a ready-to-fire configuration (e.g., Hamlet, Redeye, Stinger, Dragon, LAW, Viper) and explosive rounds for nonnuclear missiles and rockets. This category also applies in situations where the launcher (tube) and the explosive rounds, though not in a ready-to-fire configuration, are jointly stored or transported
2	High Sensitivity (Category II) - Arms, Ammunition, and Explosives
3	Moderate Sensitivity (Category III) - Arms, Ammunition, and Explosives
4	Low Sensitivity (Category IV) - Arms, Ammunition, and Explosives
5	Highest Sensitivity (Category I) - Arms, Ammunition, and Explosives with a physical security classification of Secret
6	Highest Sensitivity (Category I) - Arms, Ammunition, and Explosives with a physical security classification of Confidential
8	Highest Sensitivity (Category II) - Arms, Ammunition, and Explosives with a physical security classification of Confidential
Q	A drug or other controlled substance designated as a Schedule III, IV, or V item, in accordance with the US Controlled Substance Act of 1970. Other sensitive items requiring limited access storage
R	Precious Metals, a drug or other controlled substance designated as a Schedule I or II item, in accordance with the US Controlled Substance Act of 1970. Other selected sensitive items requiring storage in a vault or safe.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

##### PHYSICAL SECURITY/PILFERAGE CODE

CODE	EXPLANATION
------	-------------

**Pilferage Code:** A code indicating the material has a ready resale value or civilian application for personal possession and, therefore, is especially subject to theft.

J	Pilferage - Pilferage controls may be designated by the coding activity to items coded U (Unclassified) by recording the item to J
\$	Useful to ill-disposed persons such as criminals and terrorists
%	Valuable and attractive

Coding activities may further categorize pilferage items by using the following codes:

I	Aircraft engine and parts
M	Handtools and shop equipment
N	Fire arms
P	Ammunition and explosives
V	Individual clothing and equipment
W	Office machines
X	Photographic equipment and supplies
Y	Communication/electronic equipment and parts
Z	Vehicular equipment and parts

# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PICK-UP POINT - CODED ADDRESS

ABBREVIATION ..... PUPC

TEXT ELEMENT IDENTIFIER (TEI)..... CAD

### CHARACTERISTICS

Format ..... an5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONSIGNOR

### DESCRIPTION/PURPOSE

A code to indicate the pick-up point address.

### CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS. (See Data Element sheet).

### REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PICK-UP POINT - CODED ADDRESS/ UNC
ABBREVIATION .....	PPUNC
TEXT ELEMENT IDENTIFIER (TEI) .....	CDU

## CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print.....	
Originator of Data .....	CONSIGNOR

## DESCRIPTION/PURPOSE

To identify the PICK-UP POINT - CODED ADDRESS within a Country.

## CODE

## REMARKS

- A Composite Data Element composed of:
- PICK-UP POINT - CODED ADDRESS (CAD)
  - USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PICK-UP POINT - FULL ADDRESS

ABBREVIATION ..... PUPF

TEXT ELEMENT IDENTIFIER (TEI)..... PUP

CHARACTERISTICS

Format .....	an..65
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONSIGNOR

DESCRIPTION/PURPOSE

Shows the full address of the pick-up point.

CODE

REMARKS

This data element shall only be used if PICK-UP POINT-CODED ADDRESS is not available.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	POOL ITEM CANDIDATE
ABBREVIATION .....	PIC
TEXT ELEMENT IDENTIFIER (TEI) .....	PIC
<b>CHARACTERISTICS</b>	
Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Identifies items which fall into the category of a Pool Item Candidate, according to the agreed conditions.

**CODE**

1 - Indicates item to be a Pool Item Candidate.

**REMARKS**

The use and application of this data element, together with the definition of the conditions which constitute a PIC are to be agreed at the start of the Project.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PREVIOUS KEY DATA

ABBREVIATION ..... PKD

TEXT ELEMENT IDENTIFIER (TEI) ..... PKD

## CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

## DESCRIPTION/PURPOSE

To identify previous segment(s) which may have been split or consolidated.

## CODE

## REMARKS

A Composite Data Element composed of:

- SEGMENT LEVEL (SEL)
- CONTRACTOR/CUSTOMER INDICATOR (CCI)
- SEGMENT SEQUENCE NUMBER (SEN)

See Appendix 2, Section 2, para 3.2.1



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>PRICE BREAK DATA</b>
<b>ABBREVIATION .....</b>	<b>PBD</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>PBD</b>

**CHARACTERISTICS**

Format .....	S.C.D.E. plus REMARKS
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates up to three different UNIT PRICES, each of them valid for an individual, specified range of buy quantities

**CODE****REMARKS**

A Composite Data Element composed of:

- QUANTITY (QTY) ('From' quantity of 1st set of Price Break Information)
- QUANTITY (QTY) ('To' quantity of 1st set of Price Break Information)
- UNIT PRICE (UPR) ('Price' of 1st set of Price Break Information)
- QUANTITY (QTY) ('From' quantity of 2nd set of Price Break Information)
- QUANTITY (QTY) ('To' quantity of 2nd set of Price Break Information)
- UNIT PRICE (UPR) ('Price' of 2nd set of Price Break Information)
- QUANTITY (QTY) ('From' quantity of 3rd set of Price Break Information)
- QUANTITY (QTY) ('To' quantity of 3rd set of Price Break Information)
- UNIT PRICE (UPR) ('Price' of 3rd set of Price Break Information)

A sequence of up to three repeating sets of Price Break Information may be provided.

The price quoted must conform to the same constraints as indicated for the UNIT PRICE.

PBD must be quoted for items which have a PRICE CATEGORY coded 'OE'.

To indicate that the last PBD has no 'To' quantity limit this will be shown by the default of 99999.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

##### **PRICE BREAK DATA**

##### **REMARKS**

The format of hardcopy print to have 25 digits in each set of Price Break information showing a hyphen between "From" quantity and "To" quantity, an equals sign between "To" quantity and UNIT PRICE, and a decimal point and two decimal places within UNIT PRICE. Sets of Price Break information are divided by semicolons. Sets with values of zero are not to be printed.

##### **EXAMPLES**

Format (Data Transmission)

PBD:1:9:25000:10:50:23350+...

Format (Hardcopy Print)

00001-00009=0000000250.00;00010-00050=0000000233.50

- Indicates that if the item is purchased in quantities between 1 and 9 the UNIT PRICE is 250.00, between 10 and 50 the UNIT PRICE is 233.50, and no third Price Break exists.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PRICE CATEGORY

ABBREVIATION ..... PC

TEXT ELEMENT IDENTIFIER (TEI)..... PCA

## CHARACTERISTICS

Format ..... an2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

A code to categorize the price of an item.

## CODE

OA = Order Price = calculated against a definite ORDER QUANTITY

OB = CPL-Price = originating in a Customer Price List (CPL)

OC = Export-Price = originating in a special export price register

OD = Minimum Order Price = valid for a MINIMUM SALES QUANTITY

OE = Price Break Data = valid for a specific range of buy quantities

F1 to F9 are specific to French requirements.

## REMARKS

See also Data Elements sheets:

- MINIMUM SALES QUANTITY

- PRICE BREAK DATA

National PCs may be used for a particular Project by agreement between Customer and Contractor.





## DATA DICTIONARY

### DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME</b> .....	<b>PRICE CONDITION</b>
<b>ABBREVIATION</b> .....	<b>PCC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI)</b> .....	<b>PCO</b>
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

To indicate specific delivery conditions affecting the price of an item.

### CODE

From "INCOTERMS 1990"

EXW = Ex Works	CIP = Carriage and Insurance Paid to
FCA = Free Carrier	DAF = Delivered at Frontier
FOB = Free on Board	DES = Delivered Ex Ship
FAS = Free Alongside Ship	DEQ = Delivered Ex Quay (Duty Paid)
CPT = Carriage Paid To	DDU = Delivered Duty Unpaid
CIF = Cost, Insurance and Freight	DDP = Delivered Duty Paid
CFR = Cost and Freight	

### REMARKS

These delivery conditions would be detailed within the Contractor/Customer contracts.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PRIME CONTRACT NUMBER

ABBREVIATION ..... PCN

TEXT ELEMENT IDENTIFIER (TEI)..... PCN

CHARACTERISTICS

Format ..... an..16

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

To identify the Prime Contract against which the Order is to be placed and invoiced.

CODE

REMARKS



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PRIORITY REQUIREMENT

ABBREVIATION ..... PR

TEXT ELEMENT IDENTIFIER (TEI) ..... PTY

#### CHARACTERISTICS

Format ..... an..3  
 Justification .....  
 Format of Hardcopy print .....  
 Originator of Data ..... CUSTOMER

#### DESCRIPTION/PURPOSE

A code indicating the urgency and nature of a Customer's requirement.

#### CODE

A01 Aircraft is grounded or combat limited solely because of the lack of spares or equipment. Availability of the item would allow immediate repair and immediate recovery of the a/c to operational state.

Pty A01 is applicable to a/c at any line of maintenance under the condition as above.

Pty A01 may also be applied by a 3rd or 4th line repair facility for the progression of spares which are preventing the repair of an item for which Pty A01 demand exists and which cannot be provided from national assets.

For AGE and AGE-BDS Pty A01 is only to be applied where the lack of such items prevents flight/mission or repairing/testing of a/c spares for which Pty A01 exists.

A02 Anticipated Priority A01 requirement within 14 calendar days

A03 Anticipated Priority A01 requirement within 30 calendar days

Immediate requirements for technical training

A04 Anticipated Priority A01 requirement within 90 calendar days

Anticipated requirements for technical training within 90 calendar days

#### REMARKS

If required additional codes should be agreed between Customer and Contractor at the start of a Project or Contract.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

#### **PRIORITY REQUIREMENT**

#### **EXAMPLES:**

The following Codes are given for information:

AOG     =     Aircraft on Ground

WSO     =     Work Stoppage

USR     =     Urgent Stock Replenishment

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PROCUREMENT BUDGET NUMBER

ABBREVIATION ..... PBN

TEXT ELEMENT IDENTIFIER (TEI) ..... PBN

CHARACTERISTICS

Format ..... an..14

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

To identify individual procurement budgets against which commitments/invoices can be allocated.

CODE

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	PROCUREMENT CODE
ABBREVIATION .....	PCD
TEXT ELEMENT IDENTIFIER (TEI) .....	PCD

CHARACTERISTICS

Format .....	an..2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

The code identifies the procurement responsibility for the order.

CODE

See next page.

REMARKS

## SPECIFICATION 2000M

### DATA DICTIONARY DATA ELEMENT DEFINITION

#### PROCUREMENT CODE

#### CODE:

A	=	ALENIA
AA	=	Aerospatiale Avions
AE	=	Aermachi
AG	=	Agusta
AH	=	Eurocopter France
AM	=	Aerospatiale Engins
B	=	BAe
BN	=	Breda Nardi
C	=	CASA
CD	=	Computing Devices Hastings Ltd
D	=	CAE
DB	=	Dassault Aviation
DE	=	Dassault Electronique
ED	=	Eurocopter Deutschland
EF	=	Eurofighter
EH	=	E.H. Industries
EJ	=	Eurojet
EM	=	Elicotteri Meridionali
ET	=	Eurocopter TIGER
F	=	FIAT
GI	=	GIAT Industries
GR	=	GIE Radar Rafale
I	=	ITP
IA	=	Industria Aeronautica Meridionale
IB	=	IBM ASIC
IC	=	Industrial Acoustics Company
LA	=	Lockheed Martin ASIC
LH	=	Lockheed Aeronautical System Company
M	=	Dasa
MT	=	MTR (MTU-Turbomeca-Rolls Royce)
MU	=	MTU
NA	=	NAMMA
NE	=	NEFMA
NH	=	NH Industry
NM	=	NAHEMA
OM	=	O.M.I.
OT	=	OTO Melara
P	=	Panavia
R	=	Rolls Royce
RT	=	Rolls Royce Turbomeca
S	=	Mauser
SA	=	Agusta Sistemi
SM	=	SIAI Marchetti
SN	=	SNECMA
SR	=	Sener
T	=	Turbo Union
TH	=	Thomson CSF
TM	=	Turbomeca
VC	=	Caproni Vizzola
W	=	Westland

# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....

PROGRESS/PAYMENT  
MILESTONE NUMBER

ABBREVIATION .....

PPMN

TEXT ELEMENT IDENTIFIER (TEI).....

PPM

### CHARACTERISTICS

Format ..... an..7

Justification .....

Format of Hardcopy print.....

Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

To define payment milestone numbers or payment plan dates in accordance with the terms of a contract.

### CODE

Defined by the 1st character

D = Date

W = Week

M = Month

N = Milestone Number

### REMARKS

#### Examples

D010788 = Payment 1 July 1988

W0989 = Payment for 9th Week 1989

M0690 = Payment June 1990

N1 = Payment for Milestone Number 1



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PROGRESS/PAYMENT PLAN IDENTIFIER

ABBREVIATION ..... PPPI

TEXT ELEMENT IDENTIFIER (TEI)..... PPI

CHARACTERISTICS

Format ..... an..20

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A unique identifier of a progress payment (Lump Sum), a payment plan, milestone payment plan or any other plan related payment.

CODE

REMARKS

The identifier has to be unique within a CONTRACTOR, PRIME CONTRACT NUMBER and/or ORDER NUMBER.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PROVISIONING CATEGORY

ABBREVIATION ..... PCY

TEXT ELEMENT IDENTIFIER (TEI) ..... PCY

## CHARACTERISTICS

Format ..... an3

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

## DESCRIPTION/PURPOSE

A code used to categorize Orders. The code consists of three characters: The first indicates the urgency of the requirement; the second character identifies a TYPE OF SUPPLY; the third is available for special purposes agreed between Customer and Contractor.

## CODE

**First character:**

Identifies Priority Requirement

3 = Routine

4 = Expedite

**Second character:**

Identifies Type of Supply

2 = Initial Provisioning Item

3 = New Stock Item

4 = Replenishment Stock Item

5 = Repair and Overhaul Service

8 = Modification Set

9 = Modification Leaflet

D = Defect Investigation

L = Life Sampling

M = Mutual Supply Support

O = Offering of Surplus Stocks

S = Special

R = Role Equipment

(Cont. next page)

## REMARKS

If the Acceptance of a Quotation is indicated, then the QUOTATION NUMBER and QUOTATION DATE should be included in the Transaction.



## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### PROVISIONING CATEGORY

#### CODE (Cont.):

##### Third character:

Identifies special requirements (examples only)

- 0 = No special requirements
- 1 = Acceptance of Quotation
- 2 = Raising of a Warranty claim (against PRIME CONTRACT NUMBER to be specified in REMARKS)
  
- A = Aerospace Ground Equipment (AGE)
- B = Batch Release (e.g. LRU's)
- C = UK CRSP
- I = Nors(t) to Industry
- N = Nors(t)
- P = Panavia Build Site (PBS) spares (Tornado)
- R = Return of Modification Sets from Nors(t) to owner Nation
- S = Assembled In items (Split design Module)
- T = Nors(t) to Nors(t)

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... PURCHASING LEAD TIME

ABBREVIATION ..... PLT

TEXT ELEMENT IDENTIFIER (TEI) ..... PLT

## CHARACTERISTICS

Format ..... n..2  
Justification ..... RIGHT  
Format of Hardcopy print .....  
Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The PURCHASING LEAD TIME indicates the estimated number of months elapsing between the receipt of the order by the Contractor (or Supplier) and the delivery of the first quantity.

## CODE

Enter the number of months.

## REMARKS

The PLT must be provided for items that have a REASON FOR SELECTION other than '0'.  
The PLT may be used as a guide in provisioning but is only valid at the time it is given and is of no contractual relevance.

The PLT is shown in Customer Price Lists (CPL). Where there is no CPL, the PLT will be quoted against a specific Request for Quotation.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUANTITY
ABBREVIATION .....	QTY
TEXT ELEMENT IDENTIFIER (TEI).....	QTY
<b>CHARACTERISTICS</b>	
Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates the number of items per UNIT OF ISSUE.

**CODE**

Enter the numeric quantity.

**REMARKS**



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUANTITY PER NEXT HIGHER
ABBREVIATION .....	ASSEMBLY
TEXT ELEMENT IDENTIFIER (TEI) .....	QPNHA
	QNA

CHARACTERISTICS

Format .....	an..4
Justification .....	
Format of Hardcopy print .....	an..4, RIGHT JUSTIFIED
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the number of times an item is fitted in one unit of the next higher assembly.

CODE

Enter the actual quantity.  
 For items where the quantity is indefinite as with shims, oversize/undersize parts, the letters 'AR' (as required) have to be used.  
 'AR' is also to appear where an item's quantity cannot be established.  
 'REF' is to appear where an item is listed for reference only.  
 The 'top' items of all figures are reference items.  
 For Select on Test items the first item in the range will carry the actual quantity (usually '1') and the remainder will be 'AR'.  
 For Select on Fit items the quantity will usually be 'AR' for the whole range.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUANTITY PER UNIT OF ISSUE
ABBREVIATION .....	QPUI
TEXT ELEMENT IDENTIFIER (TEI) .....	QUI

CHARACTERISTICS

Format .....	n..4
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the number of UNITS OF MEASURE contained in one UNIT OF ISSUE.

CODE

Enter the actual quantity.

REMARKS

The QPUI is provided, along with the UNIT OF MEASURE, when the UNIT OF ISSUE alone is insufficient to fully describe how the item is supplied.

EXAMPLES: See sheet 2



## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

QUANTITY PER UNIT OF ISSUE

#### EXAMPLES:

UOI	=	CN )	This indicates that the item is supplied in 5 litre cans.
UOM	=	LI )	
QUI	=	5 )	

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... QUOTATION DATE

ABBREVIATION ..... QD

TEXT ELEMENT IDENTIFIER (TEI) ..... QDT

CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

The date when a quotation is issued.

CODE

DDMMYY

REMARKS

The QD is to be stated in any Order placed as a result of a QUOTATION. Refer also to PROVISIONING CATEGORY.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUOTATION EXPIRY DATE
ABBREVIATION .....	QED
TEXT ELEMENT IDENTIFIER (TEI).....	QED

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Date on which the validity of a Quotation expires.

CODE

DDMMYY

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... QUOTATION NUMBER

ABBREVIATION ..... QNO

TEXT ELEMENT IDENTIFIER (TEI) ..... QNO

CHARACTERISTICS

Format ..... an..14

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A unique number used to identify a specific Quotation.

CODE

REMARKS

The QNO is to be stated in any Order placed as a result of a QUOTATION. Refer also to PROVISIONING CATEGORY.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUOTATION TARGET DATE
ABBREVIATION .....	QTT
TEXT ELEMENT IDENTIFIER (TEI) .....	QTT

CHARACTERISTICS

Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

DESCRIPTION/PURPOSE

To identify the date on which a Customer requests submission of a Quotation.

CODE

DDMMYY

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	QUOTATION VALIDITY PERIOD
ABBREVIATION .....	QVP
TEXT ELEMENT IDENTIFIER (TEI) .....	QVP

CHARACTERISTICS

Format .....	n..3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the Validity Period in days of a Quotation.

CODE

REMARKS

The QVP starts from the QUOTATION DATE.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REASON FOR SELECTION

ABBREVIATION ..... RFS

TEXT ELEMENT IDENTIFIER (TEI) ..... RFS

CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the basic reason for selection as a potential spare part.

CODE

- 0 - Not a Recommended Spare
- 1 - Wear
- 2 - Maintenance Damage
- 3 - Loss
- 4 - Vibration
- 5 - Corrosion
- 6 - Deterioration
- 7 - Extreme temperature
- 8 - Other
- 9 - Accidental Damage (Insurance)

For fuller explanation  
of codes see next page.

Cont. Next Page

REMARKS

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### REASON FOR SELECTION

#### REASON FOR SELECTION

CODE	EXPLANATION
0	- Not a Recommended Spare. Parts will not normally require replacement for the life of the using unit but are included in the provisioning data for continuity and completeness.
1	- Wear. Applies to those items which contain moving parts or are themselves moving during their designed operational functions (e.g. valve assemblies, actuators, motors, bearings etc). Applies to non-moving parts which are considered subject to bumping or rubbing through normal usage by an adjacent part or foreign object (e.g. carpets, seats, door seals, retainers, turbine buckets, turbine blades, etc.). Applies to parts required for replacement due to secondary damage (e.g. failure of adjacent parts).
2	- Maintenance Damage. Identifies parts which are:- <ul style="list-style-type: none"><li>a) Accidentally damaged during normal maintenance or overhaul of the using unit or adjacent unit (e.g. nuts, bolts, shims etc).</li><li>b) Subject to replacement or are expended during overhaul or repair of individual units (e.g. gaskets, packings O-rings, nuts, bolts, cotterpins etc).</li><li>c) Subject to damage during normal servicing operational functions (e.g. refueling, passenger and baggage loading, etc.).</li></ul>
3	- Loss. Parts normally required due to loss during maintenance or overhaul of an individual unit (e.g. small springs, pins, screws, nuts etc).
4	- Vibration. Parts that are subject to damage due to vibration.
5	- Corrosion. Parts which, if not maintained by cleaning and/or adequate protective coating, will require replacement because of oxidation or chemical action of a foreign substance.
6	- Deterioration. Parts which degenerate or have their efficiency impaired as a result of normal (other than wear) functioning (e.g. parts with cure date, instruments, electrical equipment etc).

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**REASON FOR SELECTION**

- 7 - Extreme Temperature. Parts installed in areas subject to extreme temperature and those which within themselves, generate abnormal temperatures.
- 8 - Other. Provide explanation within asterisks in the DESCRIPTION FOR LOCATION.
- 9 - Accidental Damage (Insurance) Parts which are lost or damaged for reasons other than those defined in Codes 1 to 7 and which are only recommended as spares on the basis of insurance against unforeseen loss or damage.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... RECEIPT DATE

ABBREVIATION ..... RDT

TEXT ELEMENT IDENTIFIER (TEI)..... RDT

### CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

Signifies the date of receipt by the recipient.

### CODE

DDMMYY

### REMARKS

This data element will signify when physical receipt took place.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	RECOMMENDED MAINTENANCE
ABBREVIATION .....	QUANTITY
	RMQ
TEXT ELEMENT IDENTIFIER (TEI) .....	RMQ

## CHARACTERISTICS

Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates the recommended quantity of the item which is required to support an agreed level of Organisational and Intermediate maintenance to the usage pattern and period notified by the Customer.

## CODE

Enter the actual quantity conforming to the UNIT OF ISSUE.

## REMARKS

The RMQ is provided in accordance with the Customer's maintenance concept. In the 'normal' CATALOGUE SEQUENCE NUMBER orientated provisioning process the RMQ represents the quantity required for use at the location at which the item is recommended.

In the Part Number orientated provisioning process the RMQ represents the 'total' recommended quantity for use in the end item for which the INITIAL PROVISIONING PROJECT NUMBER is allocated and is based upon the quantity provided in the TOTAL QUANTITY.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>RECOMMENDED ORDER QUANTITY</b>
<b>ABBREVIATION .....</b>	<b>RCQ</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>RCQ</b>

### CHARACTERISTICS

Format of hardcopy print .....	n..5
Justification .....	
Format of hardcopy print .....	
Originator of data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

The quantity of an item, recommended by the Contractor in accordance with agreed criteria.

### CODE

### REMARKS

The criteria will be agreed between the Customer and Contractor  
(See Chapter 5 for detailed description of use).



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	RECOMMENDED OVERHAUL/REPAIR
	QUANTITY
ABBREVIATION .....	ROQ
TEXT ELEMENT IDENTIFIER (TEI) .....	ROQ

## CHARACTERISTICS

Format .....	n..5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates the recommended quantity of the item required as a spare to support Depot level repair and overhaul to a usage pattern and period notified by the Customer.

## CODE

Enter the actual quantity conforming to the UNIT OF ISSUE.

## REMARKS

The ROQ is to be provided according to the Customer's maintenance concept.  
 In the 'normal' CATALOGUE SEQUENCE NUMBER orientated provisioning process the ROQ represents the quantity required for use at the location at which the item is recommended.  
 In the Part Number orientated provisioning process the ROQ represents the 'total' recommended quantity for use in the end item for which the INITIAL PROVISIONING PROJECT NUMBER is allocated and is based upon the quantity provided in the TOTAL QUANTITY.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REFER TO
ABBREVIATION .....	RT
TEXT ELEMENT IDENTIFIER (TEI) .....	RTX
<b>CHARACTERISTICS</b>	
Format .....	an..16
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Provides a two way link between the two locations that an item has when it appears in the breakdown of one figure and is 'referred out' to a separate figure which is created to present the breakdown of that item. It also provides a one way link between an item, in its position within the break-down of its next higher assembly, and its own separate Initial Provisioning (IP) presentation.

**CODE**

When reference is made within the same chapterized Illustrated Parts Catalogue (IPC), enter the full CATALOGUE SEQUENCE NUMBER (CSN) and ITEM SEQUENCE NUMBER (ISN) of the item's other location. The format is to be that defined for CSN and ISN.

When the cross reference is between two records within a Separate Equipment IPC, only the Figure and Item Number (that is the last seven positions of the CSN) plus the ISN, need be filled.

When an item is 'referred out' to its own separate IP Project (i.e. it has a SPARE PARTS CLASSIFICATION of '2') then enter the abbreviation 'IPPN' followed by the IP Project Number, instead of CSN and ISN. In this case the link will be just one way.

**REMARKS**



**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

REFER TO

**EXAMPLES:**

- (1) Chapterised IPC

<b>CSN</b>	<b>ISN</b>	<b>REFER TO</b>
29220101b015b	00A	29220103b000b00A
-	-	
-	-	
29220103b000b	00A	29220101b015b00A

- (2) Separate IP IPC

<b>CSN</b>	<b>ISN</b>	<b>REFER TO</b>
bbbbbb01b023b	00A	06b000b00A
-		
-		
bbbbbb06b000b	00A	01b023b00A

- (3) Item with its own separate IP PROJECT NUMBER

<b>CSN</b>	<b>ISN</b>	<b>REFER TO</b>
26150203b014b	00A	IPPNK09991234

**Note: b = blank.**

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**DATA ELEMENT NAME .....** **REFERENCE DESIGNATOR**

**ABBREVIATION .....** **RD**

**TEXT ELEMENT IDENTIFIER (TEI) .....** **RFD**

**CHARACTERISTICS**

Format ..... an..7  
 Justification ..... LEFT  
 Format of Hardcopy print .....  
 Originator of Data ..... CONTRACTOR

**DESCRIPTION/PURPOSE**

This code serves as a cross reference between parts contained in wiring diagrams, hydraulic systems etc. and the Illustrated Parts Catalogue (IPC).  
 Letters, numbers or symbols are used to uniquely identify and locate discrete units, portions thereof and basic parts of a specific component.

**CODE**

Enter appropriate letters, numbers or symbols as allocated to the item.

**REMARKS**

The standards which are to be applied in the allocation of the RD are to be agreed at the start of the Project.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REFERENCE NUMBER CATEGORY CODE

ABBREVIATION ..... RNCC

TEXT ELEMENT IDENTIFIER (TEI)..... RNC

### CHARACTERISTICS

Format ..... an1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... NCB

### DESCRIPTION/PURPOSE

Indicates the relationship of a Reference Number (PART NUMBER) to the item of supply.

### CODE

See Table (Taken from the NATO Manual on Codification ACodP-1 Chapter V Subsection 553 Table 8).

### REMARKS

The RNCC will be allocated to items which have a NATO STOCK NUMBER.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

##### REFERENCE NUMBER CATEGORY CODE

Code	Explanation
1	<p>Source Control Reference. The number assigned by a design activity to a drawing that depicts existing commercial or vendor items which exclusively provide performance, installation and interchangeable characteristics required for one or more specific critical applications. Restrictions are imposed by the design activity to ensure procurement of the only item(s) known, as a result of test or evaluation, to qualify for the stated critical application.</p> <p>Include only those drawings which meet the definition of 'Source Control Drawing' in the national specification. (Applicable only to Type 1, 1B, 2 , 4 and 4B Item Identification).</p>
2	<p>Definitive Government Specification or Standard Designator Reference. A Part Number, Style Number, or Type Designator included in, or developed in accordance with, a Government Specification or Standard, which has the effect of fully identifying an item of supply. This code shall also be used of a Government Specification or Standard which, although not including Part Numbers, Style Numbers, or Type Designators, covers a single item of supply. These Reference Numbers may be coded with a variation code of '1'. (Non-definitive Government Specifications or Standard designator reference shall be Code 4; specification control drawings as defined in the appropriate National Specification shall be Code 7; Professional Association or Standard Designator references shall be coded 3).</p>
3	<p>Design Control Reference. The primary number used to identify an item of production or a range of items of production, by the Manufacturer (individual, company, firm, corporation, or government activity) which controls the design, characteristics, and production of the item by means of its engineering drawings, specifications and inspection requirements.</p>
4	<p>Non-definitive Government Specification or Standard Reference. Any Government specification or standard reference other than those indicated in Code 2 as definitive references. This code shall be used for non-definitive Government Specifications and Standard references and non-definitive Part Numbers, type designators, and style numbers included therein which are coded with a variation code of '1'. (Includes the Specification Number of those specifications for which type designation is used as Code 2. Excludes Professional Association, Industrial Association, or Manufacturer's Specification or standard reference which shall be Code 3, and specification control drawings as defined in the National Specification which shall be coded 7).</p>

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**REFERENCE NUMBER CATEGORY CODE**

- 5    Secondary Reference. Any additional number, other than a primary number (Codes 1, 2, 3, 4 or 7) or informative reference (Code 6) assigned to an item of production or supply by a commercial or government organization, which represents the same item of production or supply to which the NSN was assigned. The Reference Number may have had an RNCC of 1, 2, 3, 4 or 7, but has since been replaced in the item of supply concept of the NSN by another primary number. Includes additional numbers assigned by the design control organization, additional numbers assigned by other than the design control organization; superseded or cancelled specifications; superseded or discontinued Reference Numbers which may have resulted from: a Manufacturer's change in Reference numbering; the Manufacturer no longer produces the item or is no longer a technically approved source; the Manufacturer or Supplier under that number is out of business.
  
- 6    Informative Reference. Any reference related to the NSN which does not fall into any other category.
  
- 7    Specification Control Reference. The number assigned by a design activity to a drawing that is not item identifying, but which delineates existing commercial or vendor developed items meeting all engineering and test requirements specified, without imposing additional test/engineering requirements not normally provided by the vendor(s). Includes only those drawings which meet the definition of Specification Control Drawing.
  
- 8    NATO Reproduced Item Identification Number. A number representing a reproduction of an item of production by another NATO country for which authorization to use the NATO Stock Number has been granted by the originating country. The reproduced item represents the same item of production as the original item.
  
- A    Design Category Packaging and Related Logistics Data Reference Number. The number of a document representing packaging and related logistics data requirements.
  
- B    Non-Design Category Packaging and Related Logistics Data Reference Number. The number of a Military Standard and applicable standard designation decoded in the standard publication.
  
- C    A Reference Number assigned to an item of production not included in the item of supply concept to which the NATO Stock Number (-NSN-) has been assigned. Use of this REFERENCE NUMBER CATEGORY CODE (-RNCC-) is restricted to conditions where cross-reference is required to establish identification to an item of supply. Additionally, there is no direct relationship of the Reference Number to the NSN other than a service/agency individual decision.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

##### **REFERENCE NUMBER CATEGORY CODE**

- D Drawing Number Reference. A number assigned by a design activity to a drawing or other technical documentation which identifies a drawing/document that is related to an item of supply or production but does not qualify for assignment of Codes 1, 2, 5, 7 or C. Code D Reference will not be used in item of supply determinations.

##### **NOTES:**

- 1 Each Reference Number or portion of a Reference Number shall be coded to indicate the relationship of the Reference Number to the item of supply.
- 2 When determination cannot be made as to whether or not a Reference Number is the 'design control reference', it shall be considered the 'design control reference' until positive determination can be made. However, only one Reference Number shall be considered as the 'design control reference' for each Type 1A, 1B, 4A or 4B Item Identification. In addition, only one Reference Number shall be considered as the 'design control reference' for each item of production included in the concept of a Type 1, Type 2 or Type 4 Item Identification.
- 3 All actions against Reference Numbers given in reply to SR-1 or SR-5 on Item Identification Cards shall be in accordance with national regulations.
- 4 Reference Numbers assigned RNCC D will always be submitted with a variation code REFERENCE NUMBER VARIATION CODE (RNVC) of 9.
- 5 Reference Numbers assigned RNCC C will always be submitted with a variation code -RNVC- of 1.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REFERENCE NUMBER JUSTIFICATION
ABBREVIATION .....	CODE RNJC
TEXT ELEMENT IDENTIFIER (TEI) .....	RNJ

## CHARACTERISTICS

Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

A code used to record the degree of research conducted and the justification for adding a PART NUMBER (Reference Number) reinstatement of an Item Identification, or assignment of a new Item Identification Number despite a recognized condition of possible duplication with an existing item.

## CODE

See Table (Taken from the NATO Manual on Codification ACodP-1 Chapter V Subsection 553 Table 6).

## REMARKS



## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

##### REFERENCE NUMBER JUSTIFICATION CODE

Code	Explanation
1	Technical data on the possible duplicated Item Identification have been reviewed and the additional items of production (Reference Numbers) are not acceptable for the item of supply.
2	The additional items of production associated with the proposal have been reviewed and are correctly proposed as primary numbers to identify the item of supply. Collaborating activities have not agreed to the additional items of production.
3	The additional items of production associated with the proposal have been reviewed and are correctly proposed as primary numbers to identify the item of supply. Time does not permit collaboration of these additional items of production.
4	Data on the additional items of production are not available and acceptability of the additional items of production cannot be determined.
5	Match of Reference Number(s) by an association code is not valid for this reference.
6	The item of supply represented by the possible duplicate NATO STOCK NUMBER (NSN) is not a technically acceptable replacement in the application requiring the item of production identified by the submitted reference. Reference Number Justification Code "6" shall be used only for those Reference Numbers which are coded Reference Number Category Code (-RNCC-) "C" and Reference Number Variation Code (-RNVC-) "1".
7	The Reference Number represents an obsolete or discontinued item which has "rolled back" into stock and it would not be appropriate to mix stock with the current item. Reference Number Justification Code "7" shall be used only when it is necessary to acquire an NSN for a cancelled, superseded, or obsolete Reference Number which matches a Reference Number coded -RNCC- "5" and - RNVC- "9".

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REFERENCE NUMBER VARIATION CODE

ABBREVIATION ..... RNVC

TEXT ELEMENT IDENTIFIER (TEI) ..... RNV

#### CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... NCB

#### DESCRIPTION/PURPOSE

Indicates whether or not a Reference Number (PART NUMBER) is item-identifying or for information only.

#### CODE

See Table (Taken from the NATO Manual on Codification ACodP-1 Chapter V Subsection 553 Table 12).

#### REMARKS

The RNVC will be allocated to items which have a NATO STOCK NUMBER.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

##### REFERENCE NUMBER VARIATION CODE

Code	Explanation
1	A design control reference or other Reference Number that does not identify an item of production without the use of additional information, or is either a specification, part, type or similar reference number that does not identify an item of supply without the use of additional information.
2	A design control reference or other Reference Number that is an item-identifying number for an item of production, or is either a source control reference, a specification or a standard part, type, or similar Reference Number that is an item identifying number for an item of supply.
3	A vendor's Reference Number on a source control item which is reparable through the removal, exchange, and reinstallation of component parts. The related Source Control Document Number will also reflect the Code 3. This Code is limited to a type 1B or 4B item identification.
9	A specification, standard, or other Reference Number which has been superseded, cancelled, is obsolete, or discontinued and has REFERENCE NUMBER CATEGORY CODE (RNCC) 5 or the Reference Number is for information only and has RNCC 6.

#### Notes:

1. Each Reference Number or portion of a Reference Number, shall be coded as follows:
  - a. The Reference Number for a Manufacturer's source or a specification controlling reference for a Type 1, 2, or 4 Item Identification shall always contain the variation code '2'.
  - b. For Type 1A, 1B, 4A or 4B Item Identification the Reference Number for a related non-definitive specification or standard Reference Number shall always contain the variation code '1'.
  - c. For a Type 1A or 4A Item Identification, the 'design control reference' cited on the Item Identification Card shall always be item-identifying of the production and this Reference Number shall always contain the variation code '2'. Additional Reference Numbers related to Type 1A or 4A Item Identifications other than the Reference Number cited on the Item Identification Card, may contain a variation code of '1' or '2' depending on whether or not the Reference Number must be supplemented in order to identify the same item of production.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**REFERENCE NUMBER VARIATION CODE**

An activity submitting such an additional Reference Number to a Type 1A or 4 Item Identification which requires the variation code '1' shall be prepared to furnish data substantiating that the submitted Reference Number with stated modifications or changes, represents the same item of production as the Reference Number cited on the Item Identification Card.

- d. For a Type 1B or 4B Item Identification, the 'design control reference' cited on the Item Identification Card shall always be the type which requires supplementary data to identify the item of production and this Reference Number shall always contain the variation code '1'.  
Additional Reference Numbers related to a Type 1B or 4B Item Identification, other than the Reference Number cited on the Item Identification Card may contain a variation code of '1' or '2' depending on whether or not the Reference Number must be supplemented in order to identify the same item of production. An activity submitting an additional Reference Number for a Type 1B or 4B Item Identification which does not require the variation code '1' shall be prepared to furnish data substantiating that the submitted Reference Number represents the same item of production represented by the 'design control reference' and the content of the differentiating characteristic(s) cited on the applicable Item Identification Card.
  - e. For a Type 2 Item Identification, the 'design control reference' for each item of production included in the Type 2 concept shall always be item-identifying of the item of production and shall always contain the variation code '2'. Where an additional reference is known to represent the same item of production as the 'design control reference', the reference (always containing Reference Number Category Code 5) may contain the variation code '1' or '2' depending on whether or not the number must be supplemented in order to identify the item of production. Where an additional reference is coded Reference Number Category Code '4', the variation code shall always be '1'.
2. When a definitive specification or standard designator reference (Reference Number Category Code 2) constitutes the only available reference related to a proposed Type 2 Item Identification, and this reference has the effect of fully identifying the item of supply, such a Reference Number must be submitted for assignment of an NSN. In such a case, the Reference Number shall contain the variation code '2'.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REMARKS
ABBREVIATION .....	REM
TEXT ELEMENT IDENTIFIER (TEI) .....	REM

## CHARACTERISTICS

Format .....	an..65
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

## DESCRIPTION/PURPOSE

To provide a facility for the transmission of clear text.

## CODE

Enter free format text.

## REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REPAIR ARISING TRANSMISSION
ABBREVIATION .....	NUMBER
TEXT ELEMENT IDENTIFIER (TEI) .....	RAT
	RAT

CHARACTERISTICS

Format .....	an..14
Justification .....	
Format of hardcopy print .....	
Originator of data .....	CUSTOMER

DESCRIPTION/PURPOSE

A unique Number to identify Consumption Data Transmission Request.

CODE

REMARKS

This number may be subject to particular structuring which will be established in a main contract.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REPAIR DUES IN
ABBREVIATION .....	RDU
TEXT ELEMENT IDENTIFIER (TEI) .....	RDU

CHARACTERISTICS

Format of hardcopy print .....	n..5
Justification .....	
Format of hardcopy print .....	
Originator of data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the quantity of an item on repair order and for which delivery into stores is awaited.

CODE

Enter the actual quantity.

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REPLACING NATO STOCK NUMBER

ABBREVIATION ..... RNSN

TEXT ELEMENT IDENTIFIER (TEI) ..... RNS

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of hardcopy print ..... NNNN-NN-NNN-NNNN

Originator of data ..... CUSTOMER/HOME NCB

### DESCRIPTION/PURPOSE

To identify a new NATO STOCK NUMBER, replacing the old for any reason.

### CODE

### REMARKS

A Composite Data Element composed of:

- NATO SUPPLY CLASS (NSC)
  - NATO ITEM IDENTIFICATION NUMBER (NIN)
- for the replacing Part.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REPLACING NATO SUPPLY CODE FOR  
 ABBREVIATION ..... MANUFACTURERS  
 TEXT ELEMENT IDENTIFIER (TEI) ..... RNSCM  
 RMF

### CHARACTERISTICS

Format ..... an5  
 Justification .....  
 Format of Hardcopy print .....  
 Originator of Data ..... CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a new NATO SUPPLY CODE FOR MANUFACTURERS, replacing the old.

### CODE

See NATO SUPPLY CODE FOR MANUFACTURERS.

### REMARKS

If a RNSCM is provided a reason for the change should be included in the REMARKS field or by means of an appropriate STATUS/ADVICE CODE.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REPLACING NATO SUPPLY CODE FOR
ABBREVIATION .....	MFR'S/UNC
	RNSCU
TEXT ELEMENT IDENTIFIER (TEI) .....	RMU

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a REPLACING NATO SUPPLY CODE FOR MANUFACTURERS within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- REPLACING NATO SUPPLY CODE FOR MANUFACTURERS (RMF)
- USER (NATION) CODE (USR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REPLACING PART NUMBER

ABBREVIATION ..... RPN

TEXT ELEMENT IDENTIFIER (TEI) ..... RPP

CHARACTERISTICS

Format ..... an..32

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

To identify a new PART NUMBER, replacing the old.

CODE

See Data Element PART NUMBER.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REPLACING UNIT OF ISSUE

ABBREVIATION ..... RUI

TEXT ELEMENT IDENTIFIER (TEI) ..... RUI

CHARACTERISTICS

Format ..... a2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

To identify the new UNIT OF ISSUE, replacing the old.

CODE

Use the same code for the UNIT OF ISSUE.

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	REQUEST FOR QUOTATION
ABBREVIATION .....	REPEAT COUNTER
	RQRC
TEXT ELEMENT IDENTIFIER (TEI) .....	RQC

CHARACTERISTICS

Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

DESCRIPTION/PURPOSE

To indicate to the Contractor the status of the SK1 Request for Quotation (RFQ) i. e. whether it is a new RFQ or a repeat of a previously transmitted RFQ.

CODE

0 = Original RFQ  
1 – 9 = Repeat RFQ

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>REQUEST NUMBER</b>
<b>ABBREVIATION .....</b>	<b>RQN</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>RQN</b>

### CHARACTERISTICS

Format .....	an..14
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

### DESCRIPTION/PURPOSE

A unique number to identify Requests.

### CODE

### REMARKS

This number may be subject to particular structuring which will be established in a main contract.

### EXAMPLES

Request for Quotation (SK1)  
Request for Establishment/Update of Customer Price List (SM1)  
Request for Mutual Support (SU1)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... REQUIRED DELIVERY DATE

ABBREVIATION ..... RDD

TEXT ELEMENT IDENTIFIER (TEI) ..... RDD

## CHARACTERISTICS

Format ..... n6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

## DESCRIPTION/PURPOSE

The date by which the Customer requires delivery of defined quantities of goods.

## CODE

DDMMYY

## REMARKS

The RDD will normally take into account any PURCHASING LEAD TIME provided by the Contractor in the Customer Price List, or through other agreed procedures, and any necessary transit time.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SCRAP RATE

ABBREVIATION ..... SR

TEXT ELEMENT IDENTIFIER (TEI) ..... SRA

## CHARACTERISTICS

Format ..... n..2  
Justification ..... RIGHT  
Format of Hardcopy print .....  
Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates the estimated percentage of normally repairable units which, when removed from service, will be found to be beyond economic repair and therefore have to be scrapped.

## CODE

Enter the actual percentage.

## REMARKS

The SR is to be provided against those items which have a REASON FOR SELECTION other than '0' and a SPARE PARTS CLASSIFICATION of '2' or '6' for those items subject to SR.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SEARCH KEY CODE
ABBREVIATION .....	SKC
TEXT ELEMENT IDENTIFIER (TEI) .....	SKC

CHARACTERISTICS

Format .....	a1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To identify the data element which is being used as the search key for each entry contained in the Illustrated Parts Catalogue Cross Reference Index.

CODE

Search Key Code	Data Element
P	PART NUMBER
N	NATO STOCK NUMBER
R	REFERENCE DESIGNATOR
I	INTEGRATED LOGISTIC SUPPORT NUMBER

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SEGMENT CODE IDENTITY
ABBREVIATION .....	SGT
TEXT ELEMENT IDENTIFIER (TEI) .....	SGT

### CHARACTERISTICS

Format .....	a3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

Provides a means of transmitting the segment code where errors have been found in a segment of a transmitted message, as an item of user data rather than its normal use as an identifier of transmitted segments.

### CODE

As defined in Annex C of Appendix 2.

### REMARKS

This Data Element is generated by the message processing system.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SEGMENT LEVEL
ABBREVIATION .....	SEL
TEXT ELEMENT IDENTIFIER (TEI).....	SEL
<b>CHARACTERISTICS</b>	
Format .....	n1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

This Data Element is used to identify uniquely the Level of a Segment within a Message.

**CODE**

1 to 9 inclusive.

**REMARKS**

The value of the Segment Level (SEL) is derived from the Level of the appropriate Segment shown in the message branching diagrams.



DATA DICTIONARY

DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SEGMENT LEVEL KEY</b>
<b>ABBREVIATION .....</b>	<b>SLK</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>SLK</b>

**CHARACTERISTICS**

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

A Composite Data Element used to identify uniquely a Level Segment other than Level 0.

**CODE**

**REMARKS**

A Composite Data Element composed of:

- SEGMENT LEVEL (SEL)
- CONTRACTOR/CUSTOMER INDICATOR (CCI)
- SEGMENT SEQUENCE NUMBER (SEN)

See also Appendix 2, Section 2, para 3.2.1



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SEGMENT SEQUENCE NUMBER
ABBREVIATION .....	SEN
TEXT ELEMENT IDENTIFIER (TEI).....	SEN

CHARACTERISTICS

Format .....	n..6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A Data Element to provide a unique sequence number across each Level within a single Level 0 user segment.

CODE

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SELECT OR MANUFACTURE FROM
ABBREVIATION .....	IDENTIFIER
	SMFI
TEXT ELEMENT IDENTIFIER (TEI) .....	SMF

## CHARACTERISTICS

Format .....	a1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates that an item's installation at a given location is conditional, and requires a selection to be made from a range of items to meet variation in physical dimension or electrical characteristics, or that an item can be locally manufactured or produced by reworking a pre-modified item, or that an item can be repaired.

## CODE

- F = Select on Fit. Applied against items which vary in physical dimension (e.g. washers, shims, oversize/undersize parts).
- T = Select on Test. Applied against items which vary in electrical characteristics (e.g. resistors, capacitors).
- M = Manufacture from. Applied against items which can be locally manufactured or programmed.
- R = Reworked from. Applied against items which can be produced by the reworking of a pre-modified item. Reference to modification instructions is obligatory.
- P = Repaired from. Applied against items which can be repaired from Special Repair Parts, Repair Kits or Part Kits.

## REMARKS

The Select on Fit and Test range of items will usually be listed at the same location as the item's installation and need only the SMFI to identify them. However, where a separate figure is used to hold the range, or when the item is a 'manufacture from', a 'reworked from' or a 'repaired from', the data element SELECT OR MANUFACTURE FROM RANGE must also be provided to identify the locations at which the associated items are listed.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SELECT OR MANUFACTURE FROM
ABBREVIATION .....	RANGE SMFR
TEXT ELEMENT IDENTIFIER (TEI) .....	MFM

## CHARACTERISTICS

Format .....	an..40
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the range of items to be used for the selection, manufacture, rework or repair of the item which carries a SELECT OR MANUFACTURE FROM IDENTIFIER (SMFI).

## CODE

Enter location details (using "from/to" where applicable) expressed by:

- Complete CSN if the range is in a different Chapter, Sub Chapter or Sub Sub Chapter to the subject SMFI item.
  - Only Figure and Item Number if the range is within the same Sub Sub Chapter, but in a different Figure.
  - Only the Item Number when the range is within the same Figure.
- Or enter the Part Number of the "reworked from" item when the SMFI is filled with "R".

## REMARKS

EXAMPLES (See Next Page)

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

SELECT OR MANUFACTURE FROM RANGE

#### EXAMPLES

- (1) Same Figure and Item Number (Reworked Item)

Item Number	ISN	Part Number	SMFI	SMFR	ICY
23	00A	A (pre mod 1)			
23	00F	B (post mod 1)			-2
23	00L	A1 (post mod 1)	R	A	1-

This shows that item 'A1' may be produced through the reworking of Part Number 'A'.

Item 'B' would be the 'normal' production post modification standard 1 of item 'A'.

- (2) Same Sub Sub Chapter, different Figure (Manufactured Item)

Figure Number	Item Number	COM	SMFI	SMFR
5	13		M	12b003b
12	3	4		

This shows that the item 13 in figure 5 can be manufactured from the raw material listed in figure 12 at item 3.

- (3) Different Chapter/Sub Chapter/Sub Sub Chapter (Manufactured Item)

CSN	COM	SMFI	SMFR
53201006b015b		M	530101b006b
53010101b006b	4		

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

SELECT OR MANUFACTURE FROM RANGE

## EXAMPLES (Cont.)

- (4) Same Figure (Repair Kit)

Figure Number	Item Number	DFP	SMFI	SMFR
18	000	Hydraulic Pump	P	086
18	086	Repair Kit KD		

This shows that the Hydraulic Pump may be repaired using the Kit listed at item 86.

- (5) Separate Figure (Select on Test Item)

Fig. No.	Item No.	DFP	SMFI	SMFR
05	015	RESISTOR	T	From b25b001bb to b25b030b
25	001	RESISTOR	T	
↓	↓	↓	↓	
25	030	RESISTOR	T	

**Note: b = blank**



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SENSITIVITY INDICATOR
ABBREVIATION .....	SIN
TEXT ELEMENT IDENTIFIER (TEI) .....	SIN

CHARACTERISTICS

Format .....	a1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONSIGNOR

DESCRIPTION/PURPOSE

An indicator for use when sensitive information concerning a consignment needs to be passed between CONTRACTOR/CUSTOMER/CARRIER.

CODE

X - Sensitive information

REMARKS

When this field is used in transmission, notice should be taken of the advice contained in Section A2-5 of Appendix 2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SERIAL NUMBER
ABBREVIATION .....	SN
TEXT ELEMENT IDENTIFIER (TEI) .....	SER

## CHARACTERISTICS

Format .....	an..13
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

The Manufacturer's SERIAL NUMBER allocated to an item.

## CODE

## REMARKS

An SN is usually given only to major equipment or assemblies and can be used in repair cycle management.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SERVICE

ABBREVIATION ..... S

TEXT ELEMENT IDENTIFIER (TEI) ..... SRV

## CHARACTERISTICS

Format ..... an..3

Justification ..... LEFT

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

## DESCRIPTION/PURPOSE

To identify the User Service to whom specific data is applicable.

## CODE

Position one and two      -      Taken from the table attached to the USER (NATION) CODE (See Data Element Sheet).

Position three              -      As individually specified by Customer.

## REMARKS

The use of position three of the Code will be agreed between the Customer and the Contractor at the start of a new Project.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SHELF LIFE CODE</b>
<b>ABBREVIATION .....</b>	<b>SLC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SLC</b>

**CHARACTERISTICS**

Format .....	an1
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

A code assigned to an item to indicate a storage or shelf life period for an item which will or is liable to deteriorate when stored.

**CODE**

A table of codes indicating the storage time period or perishability of an item. Item types and codes for each type are as follows:

- Type I        -    An item of supply which is determined through an evaluation of technical test data and/or actual experience to be an item with a definite non-extendable period of shelf life.
- Type II       -    An item of supply having an assigned shelf life time period that may be extended after completion of inspection/test/restorative action.

(See next page)

**REMARKS**

The SLC must be provided for all items which have a REASON FOR SELECTION other than '0'.

**SPECIFICATION 2000M**

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

**SHELF LIFE CODE**

Code		Storage Time Period
Type I	Type II	
O	0	Non deteriorative
A		1 month
B		2 months
C	1	3 months
D		4 months
E		5 months
F	2	6 months
G	3	9 months
H	4	12 months
J		15 months
K	5	18 months
L		21 months
M	6	24 months
N		27 months
P		30 months
Q	7	36 months
R	8	48 months
S	9	60 months
X	X	Military essential and medical items with shelf life greater than 60 months

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SHIP TO
ABBREVIATION .....	ST
TEXT ELEMENT IDENTIFIER (TEI) .....	SIP

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

The Address Code which indicates the place where goods are to be shipped to e.g. a Repair Facility Address.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (See Data Element Sheet).

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SHIP TO/UNC

ABBREVIATION ..... STUN

TEXT ELEMENT IDENTIFIER (TEI)..... SIU

CHARACTERISTICS

Format of hardcopy print ..... S.C.D.E.

Justification .....

Format of hardcopy print .....

Originator of data ..... CUSTOMER

DESCRIPTION/PURPOSE

To identify a SHIP TO address within a Country.

CODE

REMARKS

A Composite Data Element composed of:

- SHIP TO (SIP)
- USER (NATION) CODE (USR).





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SHIPMENT/CONSIGNMENT NUMBER

ABBREVIATION ..... SCN

TEXT ELEMENT IDENTIFIER (TEI)..... SCN

CHARACTERISTICS

Format ..... an..10

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

A unique identifier of a Shipment/Consignment.

CODE

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SHIPPED FROM
ABBREVIATION .....	SF
TEXT ELEMENT IDENTIFIER (TEI) .....	SHF

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

DESCRIPTION/PURPOSE

The Address Code which indicates the place where goods are available for shipment or have been consigned from.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (See Data Element Sheet).

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SHIPPED FROM/UNC
ABBREVIATION .....	SFUNC
TEXT ELEMENT IDENTIFIER (TEI) .....	SHU

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR/CUSTOMER

### DESCRIPTION/PURPOSE

To identify a SHIPPED FROM coded address within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- SHIPPED FROM (SHF)
- USER (NATION) CODE (USR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SHIPPING METHOD</b>
<b>ABBREVIATION .....</b>	<b>SM</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SHM</b>

**CHARACTERISTICS**

Format .....	an..3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

To indicate the required/actual method of shipment.

**CODE**

AX .... Air Express	RX .... Rail Express
AF .... Air Freight	RF .... Rail Freight
AP .... Air Parcel Post	UA .... United Air Parcel
CS .... Consolidated Services	UP .... United Parcel
FY .... Flyaway	SP .... Special Instructions
MF .... Motor Freight	SA .... Standard Air
OT .... Our Truck	SS .... Standard Surface
PP .... Parcel Post	WF .... Water Freight
PU .... Pickup	YR .... Your Routing
GC .... Government Collection (e.g. Military)	

**REMARKS**

If required additional codes may be agreed between Customer and Contractor.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SIZE OF PACKAGED UNIT</b>
--------------------------------	------------------------------

<b>ABBREVIATION .....</b>	<b>SPU</b>
---------------------------	------------

<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SPU</b>
--	------------

**CHARACTERISTICS**

Format .....	an14
Justification .....	
Format of Hardcopy print .....	AANNNNNNNNNNNN
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Shows the gross length, width and height of an item with packaging.

**CODE**

Positions 1 and 2	-	Dimension Unit used.
Positions 3 to 6	-	Maximum Length (right justified).
Positions 7 to 10	-	Maximum Width/Diameter (right justified).
Positions 11 to 14	-	Maximum Height (right justified).

For Dimension Unit refer to UNIT OF MEASURE table.

Individual dimensions of fewer than 4 characters are to be preceded by zeros.

If a diameter is given in positions 7 to 10, positions 11 to 14 are to be filled with zeros.

**REMARKS**

Whenever an item has a STANDARD PACKAGE QUANTITY the dimensions quoted will be those of the packaged STANDARD PACKAGE QUANTITY.

The use and application of this data element is to be agreed between the Customer and Contractor.

This data would be provided only for items which have a REASON FOR SELECTION other than '0'.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

SIZE OF PACKAGED UNIT

#### **EXAMPLES:**

- CM004000250020 - Indicates an item which measures 40 x 25 x 20 centimetres when packaged.
- CM004000250000 - Indicates a cylindrical item which measures 40 centimetres long x 25 centimetres in diameter when packaged.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SIZE OF UNPACKAGED UNIT</b>
<b>ABBREVIATION .....</b>	<b>SUU</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SUU</b>

**CHARACTERISTICS**

Format .....	an14
Justification .....	
Format of Hardcopy print .....	AANNNNNNNNNNNN
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Shows the gross length, width and height of an item without packaging.

**CODE**

Positions 1 and 2	-	Dimension Unit used
Positions 3 to 6	-	Maximum Length (right justified)
Positions 7 to 10	-	Maximum Width/Diameter (right justified)
Positions 11 to 14	-	Maximum Height (right justified)

For Dimension Unit refer to UNIT OF MEASURE table.

Individual dimensions of fewer than 4 characters are to be preceded by zeros.

If a diameter is given in positions 7 to 10, positions 11 to 14 are to be filled with zeros.

**REMARKS**

The use and application of this data element is to be agreed between the Customer and Contractor.

This data would only be provided for items which have a REASON FOR SELECTION other than '0'.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

SIZE OF UNPACKAGED UNIT

#### **EXAMPLES:**

- CM003600200015 - Indicates an item which measures 36 x 20 x 15 centimetres unpackaged.
- CM003600200000 - Indicates a cylindrical item which measures 36 centimetres long x 20 centimetres in diameter unpackaged.

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SOLD-TO
ABBREVIATION .....	STO
TEXT ELEMENT IDENTIFIER (TEI) .....	STO

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A code to indicate where title to the Goods has been transferred.

CODE

Use NATO SUPPLY FOR MANUFACTURERS (See Data Element Sheet).

REMARKS

The STO address may be different from the ULTIMATE DESTINATION CODE, INVOICE-TO or Customer's ADDRESS Codes.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SOLD-TO/UNC

ABBREVIATION ..... STUNC

TEXT ELEMENT IDENTIFIER (TEI)..... STU

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

To identify a "SOLD-TO" coded address within a Country.

### CODE

### REMARKS

A Composite Data Element composed of:

- SOLD-TO (STO)
- USER (NATION) CODE (USR)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SOURCE MAINTENANCE
ABBREVIATION .....	RECOVERABILITY
TEXT ELEMENT IDENTIFIER (TEI) .....	SMR

## CHARACTERISTICS

Format .....	an..6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

## DESCRIPTION/PURPOSE

This code is used to identify, in a structured manner, the Maintenance and Overhaul activities that may be performed on an item. It provides information on Source, and instructions on Repair responsibilities, identifying methods of Repair (i.e. Procure, Replace, Manufacture) and instructions on disposal of unserviceable items.

## CODE

The Maintenance Support Organisations are at three levels:-

- 1) Organizational
- 2) Intermediate
- 3) Depot

First & Second Positions	-	SOURCE CODE	Indicates the means of acquiring support items (i.e. Stocked, Manufactured Assembled etc.).
Third & Fourth Positions	-	MAINTENANCE CODE	Use Indicates the lowest Maintenance Level allowed to Remove, Replace, or Use the item. Repair Indicates whether the item is to be repaired and defines the lowest Maintenance Level capable of performing the Repair.
Fifth Position	-	RECOVERABILITY CODE	Indicates the disposal action to be taken on unserviceable items.
Sixth Position	-	RESERVED FOR USER	Value allocated by individual users for internal management purposes.

See table on page 3.

## REMARKS

The Customer may require the Contractor to propose this data. The final assignment is the responsibility of the Customer.

(Cont. on Sheet 2)

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

##### SOURCE MAINTENANCE RECOVERABILITY

#### REMARKS (cont.):

When a recommendation is provided in the RECOMMENDED MAINTENANCE QUANTITY and/or RECOMMENDED OVERHAUL/REPAIR QUANTITY, the first character of SMR must be P.

#### EXAMPLES

##### PBODD

- PB (1st & 2nd Position) SOURCE  
Item is Procurable (P) and stocked for insurance purposes (B).
- O (3rd Position) MAINTENANCE USE  
Item is Removed, Replaced and Used at Organizational Level (O).
- D (4th Position) MAINTENANCE REPAIR  
The lowest Maintenance Level capable of a complete Repair/Overhaul is the Depot (D). At Organizational and Intermediate Level, only limited Repair may be authorised.
- D (5th Position) RECOVERABILITY  
Only Depot Level is authorised to condemn this repairable item.

##### PFFFF

- PF (1st & 2nd Position) SOURCE  
Item is Procurable (P) and non-stocked (F), but obtainable on request.
- F (3rd Position) MAINTENANCE USE  
Item is Removed, Replaced and Used at Intermediate Level (F).
- F (4th Position) MAINTENANCE REPAIR  
The lowest Maintenance Level capable of a complete Repair is the Intermediate (F). At Organizational Level, only limited Repair may be authorised.
- F (5th Position) RECOVERABILITY  
Only Intermediate Level (F) is authorised to condemn this repairable item.

##### XA

- XA (1st & 2nd Position) SOURCE  
Item is not Procurable nor stocked (X), because the requirement for the item would result in the replacement of the next higher assembly (A).
- (3rd-5th Positions) MAINTENANCE USE, REPAIR & RECOVERABILITY  
Remaining characters are left blank as no maintenance, repair or recoverability is possible.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## SOURCE MAINTENANCE RECOVERABILITY

SOURCE		MAINTENANCE		RECOVERABILITY	RESERVED FOR USER
1st Position	2nd Position	USE	REPAIR	5th Position	6th Position
P Procurement	A Stocked	O Remove/ Replace at Organizational Level	Z No Repair	Z Non repairable Condemn at 3rd Position Level	
	B Insurance		B No Repair Recondition	O Repairable Condemn at Organizational (or field, or Depot) Level	
	C Deteriorative	F Remove/ Replace at Intermediate Level	O Repair at Organizational	F Repairable Condemn at Intermediate (or Depot) Level	
	E Support Equipment Stocked		F Repair at Intermediate	D Repairable Condemn at Depot Level or Industrial Maintenance Organisation	
	F Support Equipment, Non stocked	D Remove/ Replace at Depot Level	D Limited Repair at O or F Level Overhaul at Depot	A Special Handling	
K Component of a Repair Kit	G Life of System Support		L Repair at Depot or Industrial Maintenance Organisation		
	F Intermediate Kit	D Requisition NHA			
	D Depot Kit				
M Manufacture	B In both Kits	O Organizational			
	O Organizational				
	F Intermediate	O Organizational			
A Assembly	D Depot				
	O Organizational	D Requisition NHA			
	F Intermediate				
X Non procured	D Depot	B Reclamation or Requisition by Part Number			
	A Requisition NHA				
	B Reclamation or Requisition by Part Number	C Mfg Drawing			



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SPARE PARTS CLASSIFICATION

ABBREVIATION ..... SPC

TEXT ELEMENT IDENTIFIER (TEI) ..... SPC

#### CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

#### DESCRIPTION/PURPOSE

Indicates whether an item is considered to be Expendable or Repairable.

#### CODE

- 1 = Expendable - Totally consumed in use or not economically repairable.
- 2 = Repairable item - Requires its own Equipment Illustrated Parts Catalogue (IPC).
- 6 = Repairable item - Does not require its own Equipment IPC.

#### REMARKS

The SPC must be provided for all items which have a REASON FOR SELECTION other than '0'.

An SPC code '2' item requires its separate INITIAL PROVISIONING PROJECT NUMBER to be given in the REFER TO field.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SPECIAL STORAGE

ABBREVIATION ..... SS

TEXT ELEMENT IDENTIFIER (TEI) ..... STR

## CHARACTERISTICS

Format ..... n1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Indicates whether an item, supplied by the Supplier with the appropriate packaging, must be stored under special conditions.

## CODE

- 0 = No special storage required.
- 1 = Special storage required.

## REMARKS

The SS must be provided for all items which have a REASON FOR SELECTION other than '0'.





## DATA DICTIONARY

### DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... STANDARD PACKAGE QUANTITY

ABBREVIATION ..... SPQ

TEXT ELEMENT IDENTIFIER (TEI) ..... SPQ

#### CHARACTERISTICS

Format ..... n..4  
 Justification ..... RIGHT  
 Format of Hardcopy print .....  
 Originator of Data ..... CONTRACTOR

#### DESCRIPTION/PURPOSE

Indicates the number of UNIT OF ISSUE contained in a standard package.

#### CODE

Enter the actual quantity.

Where items are to be packaged separately, enter '1'.

Where sparable item is not subject to an SPQ, enter '0'.

#### REMARKS

The SPQ must be provided for all items which have a REASON FOR SELECTION other than '0'.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... STATE OF MANUFACTURE

ABBREVIATION ..... SOM

TEXT ELEMENT IDENTIFIER (TEI) ..... SOM

## CHARACTERISTICS

Format ..... n..4

Justification .....

Format of Hardcopy print ..... See REMARKS

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The percentage of work completed on production, modification or repair of an ordered quantity at the time of reporting.

## CODE

Enter the actual percentage with 2 implied decimal places.

## REMARKS

This Data Element could also provide an indication of the percentage of charge which the Customer will be liable to pay in the event of cancellation.

It will usually be used in relation to the incorporation of modifications.

The format of hard copy print is n..2, decimal point, n2.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>STATUS/ADVICE CODE</b>
<b>ABBREVIATION .....</b>	<b>SAC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SAC</b>
<b>CHARACTERISTICS</b>	
Format .....	an2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

## DESCRIPTION/PURPOSE

The purpose of STATUS/ADVICE CODE is to convey status or advisory information concerning transactions to a pre-determined format.

## CODE

See Sheets 2 to 11.

## REMARKS

Additional codes may be agreed for use between a Customer and Contractor at the start of a project or contract. However, care should be taken not to misappropriate any code already in use.

Publication of these codes does not in itself imply an obligation on users of the specification to apply and/or provide automatic processing or validation of all or any such codes.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

#### **ADVICE CODES**

- 1A Outstanding Orders/Order details only, excluding cancelled Orders.  
(i.e. accepted orders/order details not yet shipped)
- 1B Outstanding Orders/Order details only with Diversion Number allocation, excluding cancelled Orders. (i.e. accepted Diversion orders not yet shipped)
- 1C Orders/Order details which have been designated as shipped or ready for dispatched, but not invoiced.
- 1D Orders/Order details which have been invoiced.
- 1F Refer to REMARKS within the same segment.
- 1G Orders/Order details which have not been invoiced.
- 2C Do not back order. Reject any unfulfilled quantity not available, suitable substitute acceptable.
- 2D Furnish exact quantity requested. (i.e. do not adjust to STANDARD PACKAGE QUANTITY or MINIMUM SALES QUANTITY)
- 2E Free issue.
- 2F NATO STOCK NUMBER (NSN)/PART NUMBER (PN) known to be obsolete but still required for immediate consumption. If unable to procure, reject order with status code XA.
- 2M Ship available quantity within Required Delivery Date, backorder outstanding qty.
- 2P UNIT PRICE must be on SA2-transaction.
- 2X If unable to ship all from stock, backorder all.
- 2Y Ship available quantity within required delivery date, cancel outstanding.
- 2Z FORECAST DELIVERY DATE provided by SA2/SA4 unacceptable - cancellation without liability required.
- 3B Overhaul authorized. (as defined in Customer/Contractor contracts)
- 3D Defect investigation to be carried out.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**ADVICE CODES (Cont.)**

- 3E Life sampling requested in line with agreed programme.  
(as defined between Customer/Contractor)
- 3G Repair and retain.
- 4A NSN specified to be supplied.
- 4B NSN/PN specified Must be supplied.
- 4C NSN/PN specified known to be obsolete, but is required unless authorized Alternative  
is defined and advised by Contractor.
- 4E NSN/PN specified to be supplied, required to support Post-Mod item, fully  
interchangeable item acceptable if authorized and advised by Contractor.
- 4F Ship only latest Build Standard, but advise in advance of Shipment.
- 4G Ignore Competition and Process Order.
- 4H Will accept partial life consumed, as quantity ordered is required for immediate use.  
(Usually accompanies a priority demand)
- 4J Will accept the total order quantity only in one shipment.
- 5A Repair authorized up to cost limit. (As defined in Customer/Contractor contracts)
- 5B Overhaul only up to cost limit.
- 5C Modification embodiment up to latest Part Number standard authorized/return to  
works programme.
- 5D Strip- and Survey Report required.
- 5G Repair by exchange.
- 5J Strategic mission requires newest stock only.
- 5K Strategic mission requires latest model and configuration.
- 5L Strip and Survey Report is Required in Advance of the Repair Authorization.



## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

#### **ADVICE CODES (Cont.)**

- 5M Repair only to cost limit.
- 5N Modification only.
- 5P Special Scope of Work; see REMARKS.
- 5Q Repair/Modification exceeding cost limits authorized.
- 5R Contractor Liability.
- 5S Scrap authorized.
- 5T No Shipment of item.
- 5X Scheduled Arising.
- 5Y Scheduled overfeed Arising.
- 5Z Unscheduled Arising not in forecast.
- 6A The nation placing the order will bear all costs related to the modification.
- 7B Correction transaction; no additional goods actually shipped.
- 7F Return of goods due to overdelivery. (Agency to remove Discrepancy Report (D/R) marker)
- A1 Hastener for overdue SA2/SA3 transaction.
- A2 Hastener for overdue FDD, promised via SA4 transaction.
- A3 FDD expired; new FDD required.
- A9 Automatic Hastener for outstanding transactions.
- AH Order requires Assembled - In items for completion.
- K1 Route to Contractor. Do not interrogate central database.
- K2 Subject to Low Stock Progression

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**ADVICE CODES (Cont.)**

- K3 Order no longer subject to Low Stock.
- KC Customer accepts liability previously indicated by "KA" Status code.
- KD Goods have not been received. 42 days have elapsed since SJ1-Transaction.
- KU The changed Data Element (SD1 Transaction) has resulted in a Quantity Change.
- P1 Partial acceptance of Customer price list. Rejected Part Numbers listed in item-level segment. Reasons for rejection in REMARKS within the same segment.
- P2 Price submission differs from National Authority-agreement; reference in REMARKS within the same segment. (SN2/SN3/SG3)
- P3 Agency approval of Provisional price.
- P4 Agency approval of Fixed price.
- P5 The data in QUOTATION NUMBER is a special number for Role Equipment or Batch-Release Order purposes.
- P6 Item PN or NSN not found - new item.
- 7C Correction transaction; no additional goods actually received  
Agency to remove D/R marker
- 7D Quantity increase; request to increase order to cover overage.
- 7E New order placement; request to increase order to cover overage.
- 7G Return of goods due to misidentification.
- P7 Request for submission of Customer Price List for Handling Charge.
- XB Discrepancy in shipment (applicable to SJ4/SR4). Case numbers received are quoted. Details may also be in REMARKS.
- XD Repayment of total item cost including packaging and transportation.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

#### **ADVICE CODES (Cont.)**

- XE On loan without charge
- XF Replacement in kind on loan; for loan period see "REMARKS" within the same segment.
- XG Transfer under Mutual Supply Support (MSS) already carried out; request accepted for record purposes only.
- XM Your offer is no longer needed.
- XS MSS-transfer already carried out; for record purposes only.
- XT Discrepancy in shipment. (applicable for SJ4/SR4)  
Case numbers not received are quoted. Details may also be in REMARKS.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**STATUS CODES**

- 1F Refer to REMARKS.
- 1X Request for Transmission of Order Forecasting Data.
- 1Y Rejection of a Request for Consumption Data Transmission.
- 5T No shipment of item.
- AA NATO STOCK NUMBER (NSN) changed due to formal catalogue change:  
a) ordered NSN has been replaced by or consolidated with new NSN in REPLACING NATO STOCK NUMBER.  
b) NSN assigned to PART NUMBER (PN) was ordered.
- AB UNIT OF ISSUE changed due to formal catalogue change.
- AC Requisitioned PN has been identified to be replaced by new PN in REPLACING PART NUMBER.
- AD Other Data-Changes specified in REMARKS as a result of Status Codes AA, AB or AC.
- AF Supplier/Vendor has overdelivered against order. Request increase of order-quantity.
- AG Order quantity reduced to delivered quantity for commercial or supply reason.
- B4 Cancelled. Results from cancellation-request from customer.  
Contract termination charge will be made.
- BA Item being processed for release and shipment. The FORECAST DELIVERY DATE is indicated.
- BB The FORECAST DELIVERY DATE (FDD)/revised FDD for release of material to the Customer is indicated.
- BC Item on order has been backordered. Long delay is anticipated and forecasted delivery date is indicated. Item identified on the fields REPLACING NATO STOCK NUMBER and REPLACING PART NUMBER can be furnished instead. The price of the substitute item is indicated. If desired, submit a cancellation for the original order and submit an order for the substitute.
- BD Order is delayed due to need to verify requirements relative to authorized application, item identification, technical data, or when the intent to procure for direct delivery is known. Upon completion of review or procurement, additional status will be provided to indicate action taken.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**STATUS CODES (Cont.)**

- BF No record of Key-Data found.
- BS Cannot meet your MSS request.
- E9 Cancellation rejected; item in shipping process.
- EU This message represents a duplicate of an already acknowledged/accepted order. If item is still required, submit message using new order number.
- K3 Order no longer subject to Low Stock.
- K4 Contractors Low Stock Selection.
- K5 FDD supplied is Contractors best offer.
- K6 Order accepted but FDD is different from the REQUIRED DELIVERY DATE (RDD).
- K7 FDD agreed of Low Stock Meeting.
- K8 Allocation agreed at Low Stock Meeting.
- K9 Agreed Low Stock-Allocation.
- KA If reduction effected you will incur liability for remaining order quantity.
- KB FDD will follow on SA4 Transaction.
- KG Order-related price; not yet agreed; automatic issue of SG2 required.
- KM The changed Data Element(s) in SG1 Transaction will result in a quantity change.
- KP PACKAGING LEVEL CODE adjustment required.
- | MC Industry Internal Credit Note
- ND Requested for payment.
- NO The offset-value includes a VAT-element. (Offset VAT)
- NV VAT shown for tax purposes only. Not requested for payment.
- PA Current price available in CPL. See REMARKS for CPL REFERENCE NUMBER.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**STATUS CODES (Cont.)**

PB	The nominated Supplier is unable or unwilling to provide necessary Data. (SM3,SK3)
PC	None National Price Authority (NPA) agreed price. Route price submission to relevant NPA.
PD	NPA approved price. Reference in REMARKS (SN1, SG1)
PE	Update item Data Base. (Procurement Record)
PF	Continued use for price from CPL with expired validity (TYPE OF PRICE is provisional).
PG	Order related price "Not Agreed". Automatic issue of SG2 required (SG1).
PH	Order related price approval not available (SG1).
PJ	Price related to CONTRACTUAL DELIVERY DATE (SA2, SA4).
PK	Procurement data to be updated. Used on SA4 for skeleton records created by a Special Order. Only one occurrence per ORDER NUMBER.
PM	Transmitted items are additions to the CPL.
PN	Transmitted items are updates to existing items on CPL.
PR	Transmitted items are deletions from the CPL.
PS	SN1 issued without request by previous SM1.
PT	Price reminder. NPA price not yet agreed.
PU	Price not subject to NPA agreement.
PV	Price already negotiated off-line with Agency.
PX	Submitted slippage of FDD is the result of allocation to A01 priority order.
PZ	Additional quotation for alternative item and/or Supplier is submitted by separate SL1.
RA	Holding factor Customer Spares.
RB	Holding factor Contractor Spares.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

#### **STATUS CODES (Cont.)**

- RC Holding factor Tools/Test Set.
- RD Holding factor Mod Set.
- RE Holding factor Price Agreement.
- RF Holding factor Contractor resources.
- RG Holding factor National Quality Assurance Representative (NQAR) acceptance.
- RH Holding factor Authorization.
- RJ Holding factor others; see REMARKS within the same Segment.
- RK Holding factor modification embodiment.
- RM Request Repair/Modification to cost limit.
- RN Request Repair/Modification to 100% cost.
- RO Request Overhaul.
- RP Request scrap.
- RQ Request specific Scope of Work; see REMARKS within the same Segment.
- RR Request accepted by NQAR.
- RS Request not accepted by NQAR.
- RT Contractor liability rejected.
- RU Contractor liability accepted.
- XA Item no longer on stock. Substitute item in REMARKS within the same Segment, If substitute item required, submit new order.
- XB Discrepancy in Shipment (Applicable to SR4/SJ4); case numbers received are quoted. Details may also be in REMARKS within the same Segment.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

STATUS/ADVICE CODE

**STATUS CODES (Cont.)**

- XC Compensation is requested by grant of a Credit, as outlined in REMARKS within the same Segment.
- XD Repayment of total item cost including packaging and transportation.
- XE On loan without charge.
- XF Replacement in Kind, On Loan; for loan period see REMARKS within the same Segment.
- XG Transfer under MSS already carried out; request accepted, for record purposes only.
- XH Offer of Redistribution Expires as outlined by the QUOTATION EXPIRY DATE.
- XK Response to Advice Code A1.
- XL Response to Advice Code A2.
- XM Your offer is no longer needed.
- XN Response to Advice Code KD.
- XP Response to Advice Code A3.
- XS MSS-transfer already carried out; for record purposes only.
- XT Discrepancy in shipment (applicable to SJ4/SR4). Case numbers not received are quoted. Details may also be in REMARKS.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	STATUS INQUIRY NUMBER
ABBREVIATION .....	SQN
TEXT ELEMENT IDENTIFIER (TEI).....	SQN

CHARACTERISTICS

Format .....	an..14
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A unique number to identify a status request.

CODE

REMARKS

This number may be subject to particular structuring which will be established in a main contract.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... STOCK BALANCE

ABBREVIATION ..... SBA

TEXT ELEMENT IDENTIFIER (TEI) ..... SBA

CHARACTERISTICS

Format ..... n..5

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

The total quantity of an item currently held in stock in a serviceable condition (assets in transit are excluded).

CODE

Enter the actual quantity.

REMARKS

Serviceable parts are those ready for installation in an aircraft, sub-assembly, component or end item.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SUBJECT IDENTIFICATION

ABBREVIATION ..... SI

TEXT ELEMENT IDENTIFIER (TEI) ..... SID

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Provides identification of the item, or items, which are the subject of the INITIAL PROVISIONING PROJECT NUMBER.

CODE

REMARKS

- A Composite Data Element composed of:
- NATO SUPPLY CODE FOR MANUFACTURERS (MFC)
  - PART NUMBER (PNR)



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... SUBJECT NATO STOCK NUMBER

ABBREVIATION ..... SNSN

TEXT ELEMENT IDENTIFIER (TEI) ..... SNS

### CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print ..... NNNN-NN-NNN-NNNN

Originator of Data ..... CONTRACTOR

### DESCRIPTION/PURPOSE

Identifies the NATO STOCK NUMBER assigned to the SUBJECT IDENTIFICATION.

### CODE

### REMARKS

A Composite Data Element composed of:

- NATO SUPPLY CLASS (NSC)
- NATO ITEM IDENTIFICATION NUMBER (NIN)





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>SUPPLEMENTARY ADDRESS</b>
<b>ABBREVIATION .....</b>	<b>SADD</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>SAD</b>

### CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

To define an additional information address to which a message should be sent.

### CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (NSCM) (See Data Element Sheet).

### REMARKS

The message creator`s responsibility is to deliver the transaction to each supplementary address as indicated.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SUPPLEMENTARY ADDRESS/UNC
ABBREVIATION .....	SAUNC
TEXT ELEMENT IDENTIFIER (TEI) .....	SAU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

To identify a SUPPLEMENTARY ADDRESS within a Country.

CODE

REMARKS

- A Composite Data Element composed of:
- SUPPLEMENTARY ADDRESS (SAD)
  - USER (NATION) CODE (USR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SUPPLIER
ABBREVIATION .....	SUS
TEXT ELEMENT IDENTIFIER (TEI) .....	SUS

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

A code to identify the SUPPLIER of a component.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (see Data Element sheet).

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SUPPLIER/UNC
ABBREVIATION .....	SUUNC
TEXT ELEMENT IDENTIFIER (TEI) .....	SRU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

DESCRIPTION/PURPOSE

To identify a SUPPLIER within a Country..

CODE

REMARKS

- A Composite Data Element composed of:
- SUPPLIER (SUS)
  - USER (NATION) CODE (USR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	SUPPLY MANAGEMENT BRANCH
ABBREVIATION .....	INDICATOR
	SMBI
TEXT ELEMENT IDENTIFIER (TEI) .....	SMB

CHARACTERISTICS

Format .....	an..6
Justification .....	LEFT
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

DESCRIPTION/PURPOSE

A code to indicate a specific section within the CUSTOMER's Supply Management Organization.

CODE

REMARKS

Codes may be agreed for use between a Customer and Contractor at the start of a Project or Contract.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX CODE
ABBREVIATION .....	TC
TEXT ELEMENT IDENTIFIER (TEI).....	TAC

## CHARACTERISTICS

Format .....	an3
Justification .....	
Format of Hardcopy print .....	an3
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

A code to indicate the type of tax and applicability.

## CODE

000 -	No VAT Applicable
001 -	VAT Payable
002 -	VAT not Payable
003 -	VAT Pre-Funded Offset Against Progress Payments
004 -	VAT Non-Pre-Funded(Calculated Against the Sum of Invoice Order Line Values Nett).
005 -	VAT EXEMPT

## REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX CODE/CURRENCY CODE
ABBREVIATION .....	TACC
TEXT ELEMENT IDENTIFIER (TEI) .....	TCC

## CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

## DESCRIPTION/PURPOSE

To identify the TAX CODE related to a CURRENCY CODE.

## CODE

## REMARKS

- A Composite Data Element composed of:
- TAX CODE (TAC)
  - CURRENCY CODE (CUR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX PERCENTAGE RATE
ABBREVIATION .....	TPR
TEXT ELEMENT IDENTIFIER (TEI) .....	TPR
<b>CHARACTERISTICS</b>	
Format .....	n..4
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To indicate the applicable percentage of the TAX.

**CODE**

Enter the actual value with two implied decimal places.

**REMARKS**

The format of hard copy print is n..2, decimal point, n2.

TAX PERCENTAGE RATES may depend on the TAX POINT DATE but are ultimately the subject of National tax legislation.

The type of tax is identified by TAX CODE.





# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX PERCENTAGE RATE/ CURRENCY CODE
ABBREVIATION .....	TPRC
TEXT ELEMENT IDENTIFIER (TEI) .....	TRC

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

To identify the TAX PERCENTAGE RATE for a specific currency. It is to be used to calculate the tax value for a price.

### CODE

### REMARKS

- A Composite Data Element composed of:
- TAX PERCENTAGE RATE (TPR)
  - CURRENCY CODE (CUR)



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX POINT DATE
ABBREVIATION .....	TPD
TEXT ELEMENT IDENTIFIER (TEI) .....	TPD
<b>CHARACTERISTICS</b>	
Format .....	n6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The date to which tax on an Invoice is attributed.

**CODE**

DDMMYY

**REMARKS**



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>TAX VALUE</b>
<b>ABBREVIATION .....</b>	<b>TV</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>TAV</b>

**CHARACTERISTICS**

Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

A tax value which may be used to provide a procurement estimate of the tax likely to be imposed on a part which is specified in a Customer Price List (CPL), Quotation or in Order transactions.

**CODE**

Enter the actual value with two implied decimal places.  
May be positive or negative.  
Refer to Appendix 2, Section 3, para. 3.3.3.

**REMARKS**

The type of tax is specified by the TAX CODE.  
Format of Hardcopy print is n..13, decimal point, n2.

The actual tax charged on invoices will be subject of national tax legislation.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TAX VALUE/CURRENCY CODE
ABBREVIATION .....	TVCC
TEXT ELEMENT IDENTIFIER (TEI) .....	TAU

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To indicate the TAX VALUE related to a currency.

CODE

REMARKS

- A Composite Data Element composed of:
- TAX VALUE (TAV)
  - CURRENCY CODE (CUR)





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TEI IDENTITY IDENTIFIER
ABBREVIATION .....	TEI
TEXT ELEMENT IDENTIFIER (TEI) .....	TEI
<b>CHARACTERISTICS</b>	
Format .....	an..134
Justification .....	
Format of Hardcopy print .....	AAA: an..130
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

Enables the identification of the TEI of a Data Element and its value, to be used as an item of user data.

**CODE**

Enter original Data Unit without release characters.

**REMARKS**

Refer to Appendix 2, Section 3, Para 3.1 and Para 4.4.2

**EXAMPLE**

1. TEI: SQN: 4711
2. TEI: SAU: F5515:\*99



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TIME BETWEEN OVERHAULS

ABBREVIATION ..... TBO

TEXT ELEMENT IDENTIFIER (TEI) ..... TBO

## CHARACTERISTICS

Format ..... n..6

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

The TBO is the interval, expressed in a specific measurement unit, between the scheduled overhauls of an item.

## CODE

Enter the actual number of measurement units as qualified by the TIME/CYCLE INDICATOR/ TBO (TCO).

## REMARKS

The TBO is to be provided against items which have a REASON FOR SELECTION other than "0" and a SPARE PARTS CLASSIFICATION of "2" or "6" for those items subject to TBO.



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TIME BETWEEN OVERHAULS/
	TCIBO
ABBREVIATION .....	TBOI
TEXT ELEMENT IDENTIFIER (TEI) .....	TBI

### CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

The interval, expressed in a specific measurement unit, between the scheduled overhauls of an item.

### CODE

### REMARKS

- A Composite Data Element composed of:
- TIME BETWEEN OVERHAULS (TBO).
  - TIME/CYCLE INDICATOR/TBO (TCO).



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>TIME BETWEEN SCHEDULED SHOP VISITS</b>
<b>ABBREVIATION .....</b>	<b>TBSSV</b>
<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>TSV</b>

### CHARACTERISTICS

Format .....	n..6
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

The TSV is the interval, expressed in a specific measurement unit, between the scheduled shop visits of an item for the purpose of maintenance action other than overhaul.

### CODE

Enter the actual number of measurement units as qualified by the TIME/CYCLE INDICATOR/TBSSV (TCS).

### REMARKS

The TBSSV is to be provided against those items which have a REASON FOR SELECTION other than "0" and a SPARE PARTS CLASSIFICATION of "2" or "6" for those items subject to TBSSV.





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TIME BETWEEN SCHEDULED SHOP VISITS/TCISV
ABBREVIATION .....	TBSSI
TEXT ELEMENT IDENTIFIER (TEI) .....	TSI

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

The interval, expressed in a specific measurement unit, between the scheduled shop visits of an item for the purpose of maintenance action other than overhaul.

CODE

REMARKS

- A Composite Data Element composed of:
- TIME BETWEEN SCHEDULED SHOP VISITS (TSV).
  - TIME/CYCLE INDICATOR/TBSSV (TCS).



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TIME/CYCLE INDICATOR/AL

ABBREVIATION ..... TCIAL

TEXT ELEMENT IDENTIFIER (TEI)..... TCA

CHARACTERISTICS

Format ..... a..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the measurement unit to be applied to AUTHORIZED LIFE.

CODE

See Table.

REMARKS

Additional alpha codes may be introduced as necessary.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

TIME/CYCLE INDICATOR/AL

#### **MEASUREMENT UNIT TABLE**

A =	Days
B =	Months
C =	Cycles
D =	Years
E =	Kilometres
F =	Miles
G =	Nautical Miles
H =	Flying Hours
J =	POL flow rate
K =	Starts (Engine)
L =	Landings
M =	Operations
N =	Figures
P =	Operating Hours
Q =	Number of Rounds
R =	Stress Numbers
S =	Seconds
T =	Deck Landings
U =	Arrestments
V =	Launches
W =	Weeks
X =	Sorties
Y =	Windings

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TIME/CYCLE INDICATOR/MTBF

ABBREVIATION ..... TCIBF

TEXT ELEMENT IDENTIFIER (TEI)..... TCM

CHARACTERISTICS

Format ..... a..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the measurement unit to be applied to MEAN TIME BETWEEN FAILURES.

CODE

Use codes from TIME/CYCLE INDICATOR/AL (TCA).

REMARKS



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TIME/CYCLE INDICATOR/TBO

ABBREVIATION ..... TCIBO

TEXT ELEMENT IDENTIFIER (TEI)..... TCO

CHARACTERISTICS

Format ..... a..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the measurement unit to be applied to TIME BETWEEN OVERHAULS.

CODE

Use codes from TIME/CYCLE INDICATOR/AL (TCA).

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TIME/CYCLE INDICATOR/TBSSV

ABBREVIATION ..... TCISV

TEXT ELEMENT IDENTIFIER (TEI)..... TCS

CHARACTERISTICS

Format ..... a..2

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the measurement unit to be applied to TIME BETWEEN SCHEDULED SHOP VISITS.

CODE

Use codes from TIME/CYCLE INDICATOR/AL (TCA).

REMARKS



# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TOTAL LIFE
ABBREVIATION .....	TL
TEXT ELEMENT IDENTIFIER (TEI) .....	TLF

### CHARACTERISTICS

Format .....	n..3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

### DESCRIPTION/PURPOSE

TOTAL LIFE is the permitted life, in terms of time, irrespective of whether the item is on the shelf or in operation.

### CODE

Enter the actual number of months.

### REMARKS

After reaching the TL, any further life must be reauthorized.

The TL will only be provided for items which have a REASON FOR SELECTION other than '0' and are subject to TL.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TOTAL LINE VALUE
ABBREVIATION .....	TLI
TEXT ELEMENT IDENTIFIER (TEI).....	TLI
<b>CHARACTERISTICS</b>	
Format .....	n..15
Justification .....	
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

The TOTAL LINE VALUE of an order as determined by the contract.

**CODE**

Enter the actual value with two implied decimal places.

**REMARKS**

The format of Hardcopy print is n..13, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TOTAL LINE VALUE/
ABBREVIATION .....	CURRENCY CODE
	TLICC
TEXT ELEMENT IDENTIFIER (TEI) .....	TLC

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To define the TOTAL LINE VALUE related to a currency.

CODE

REMARKS

- A Composite Data Element composed of:
- TOTAL LINE VALUE (TLI)
  - CURRENCY CODE (CUR)





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TOTAL NUMBER OF CASES
ABBREVIATION .....	TNC
TEXT ELEMENT IDENTIFIER (TEI) .....	TNC

CHARACTERISTICS

Format .....	n..3
Justification .....	RIGHT
Format of Hardcopy print .....	
Originator of Data .....	CONSIGNOR

DESCRIPTION/PURPOSE

To specify the total number of cases belonging to one consignment.

CODE

REMARKS



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TOTAL QUANTITY
-------------------------	----------------

ABBREVIATION .....	TQ
--------------------	----

TEXT ELEMENT IDENTIFIER (TEI) .....	TQY
-------------------------------------	-----

**CHARACTERISTICS**

Format .....	an..5
Justification .....	
Format of Hardcopy print .....	an..5, RIGHT JUSTIFIED
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Identifies the number of times an item is fitted within the INITIAL PROVISIONING PROJECT NUMBER and is used in the calculation of the recommendations given in the RECOMMENDED MAINTENANCE QUANTITY and the RECOMMENDED OVERHAUL/REPAIR QUANTITY.

**CODE**

Enter the actual quantity. Use 'AR' (as required) for items where the quantity is indefinite or cannot be established.

**REMARKS**

The TQ is provided only in the Part Number-orientated IP presentation.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TOTAL QUANTITY PER LOCATION

ABBREVIATION ..... TQPL

TEXT ELEMENT IDENTIFIER (TEI) ..... TQL

## CHARACTERISTICS

Format ..... an..5

Justification .....

Format of Hardcopy print ..... an..5, RIGHT JUSTIFIED

Originator of Data ..... CONTRACTOR

## DESCRIPTION/PURPOSE

Identifies the number of times an item is used at the location which the data represents, within the end item for which the Initial Provisioning List is prepared. The location is defined by the CATALOGUE SEQUENCE NUMBER and the ITEM SEQUENCE NUMBER.

## CODE

Enter the actual quantity.

When the QUANTITY PER NEXT HIGHER ASSEMBLY is 'AR' or 'REF', then the TQL must also be 'AR' or 'REF' respectively.

## REMARKS

The TQL is calculated by taking the QUANTITY PER NEXT HIGHER ASSEMBLY of the item and multiplying it by the TQL of its next higher assembly, where both values are numeric. If TQL of the next higher assembly is alphanumeric, then for calculation purposes it assumes the value of 1.

**SPECIFICATION 2000M**

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

TOTAL QUANTITY PER LOCATION

**EXAMPLES:**

Figure Number	Item Number	ISN	Indenture	QPNHA	TQPL
01	000	00A	1	REF	REF
-					
-					
01	021	00A	2	3	3
-					
-					
01	030	00A	3	2	6
-					
-					
01	036	00A	4	4	24

# DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TRANSMITTER OF DATA
ABBREVIATION .....	TOD
TEXT ELEMENT IDENTIFIER (TEI) .....	TOD

### CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

### DESCRIPTION/PURPOSE

Identifies the Organization or Company originating the data.

### CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (See Data Element Sheet).

### REMARKS





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>TYPE OF PRICE</b>
--------------------------------	----------------------

<b>ABBREVIATION .....</b>	<b>TOP</b>
---------------------------	------------

<b>TEXT ELEMENT IDENTIFIER (TEI) .....</b>	<b>TOP</b>
--	------------

**CHARACTERISTICS**

Format .....	an2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To define the availability of an item price and the type of that price.  
(UNIT PRICE, ADDITIVE UNIT PRICE, PRICE BREAK DATA, ADJUSTABLE COST)

**CODE**

## GENERAL TYPES

01	-	Fixed Definite
02	-	Firm
03	-	Maximum
04	-	Provisional
05	-	Not Available
06	-	Indicative Estimate
07	-	Available on Quotation
08	-	Cost Reimbursement Price
09	-	Market Price
10	-	Tender Price

## FRENCH CODES

In addition codes FA to FN are permissible in Spec 2000M, but their use and meaning are specific to French regulations (refer to GAM-LOG-01A).

**REMARKS**

1) For Chapter 1:

For Initial Provisioning the TYPE OF PRICE must be provided for all items which have a REASON FOR SELECTION other than '0'.

When TOP 05 or 07 is quoted no further pricing data is needed.

2) For all Chapters:

Subject to special contractual agreements, other TYPE OF PRICE in accordance with national governmental regulations or internationally agreed arrangements, may be used. In this case, this data field will be used to identify these TYPE OF PRICE by the use of different Coding agreed by all parties concerned.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	TYPE OF PRICE/CURRENCY CODE
ABBREVIATION .....	TPC
TEXT ELEMENT IDENTIFIER (TEI) .....	TPC

CHARACTERISTICS

Format .....	S.C.D.E.
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

To identify the TYPE OF PRICE related to currency.

CODE

REMARKS

- A Composite Data Element composed of:
- TYPE OF PRICE (TOP)
  - CURRENCY CODE (CUR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... TYPE OF SUPPLY

ABBREVIATION ..... TOS

TEXT ELEMENT IDENTIFIER (TEI) ..... TOS

## CHARACTERISTICS

Format ..... an1

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CONTRACTOR/CUSTOMER

## DESCRIPTION/PURPOSE

To specify how goods are supplied.

## CODE

- 1 - Sale
- 2 - Hire-Purchase
- 3 - Credit, Loan, Conditional Sale or Transaction
- 4 - Hire, Lease or Rental
- 5 - Processing
- 6 - Exchange
- 7 - Sale on commission
- 8 - Financial compensation

## REMARKS

Additional alpha codes may be introduced as necessary.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	ULTIMATE DESTINATION CODE
ABBREVIATION .....	UDC
TEXT ELEMENT IDENTIFIER (TEI) .....	UDC

CHARACTERISTICS

Format .....	an5
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER

DESCRIPTION/PURPOSE

The ULTIMATE DESTINATION CODE will be used to identify the ultimate address for the delivery of material.

CODE

Use NATO SUPPLY CODE FOR MANUFACTURERS (See Data Element Sheet).

REMARKS





DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... ULTIMATE DESTINATION CODE/UNC

ABBREVIATION ..... UDCNC

TEXT ELEMENT IDENTIFIER (TEI)..... UDU

CHARACTERISTICS

Format ..... S.C.D.E.

Justification .....

Format of Hardcopy print .....

Originator of Data ..... CUSTOMER

DESCRIPTION/PURPOSE

To identify an ULTIMATE DESTINATION CODE within a Country.

CODE

REMARKS

A Composite Data Element composed of:

- ULTIMATE DESTINATION CODE (UDC)
- USER (NATION) CODE (USR)



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>UNIT OF ISSUE</b>
<b>ABBREVIATION .....</b>	<b>UI</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>UOI</b>
<b>CHARACTERISTICS</b>	
Format .....	a2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Indicates the physical measurement, the count, or when neither is appropriate, the container or shape of an item for the purposes of requisitioning by, and issue to, the end user, and is the data element to which the UNIT PRICE is ascribed.

**CODE**

See Tables for codes. There are two tables:

TABLE I - UNIT OF ISSUE (Codes and Definitions)

Those terms preceded by an asterisk (\*) require a quantitative expression.

TABLE II - UNIT OF ISSUE (Alphabetic Order)

Units annotated with an asterisk (\*) are non-definitive units.

**REMARKS**

The UI must be provided for all items which have a REASON FOR SELECTION other than '0'.

Where the UI alone is insufficient to fully describe how the item is to be supplied, then the UNIT OF MEASURE and the QUANTITY PER UNIT OF ISSUE must also be provided.

Whenever possible, preference should be given to definitive UNITS OF ISSUE.

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

UNIT OF ISSUE

**TABLE I - UNIT OF ISSUE (Codes and Definitions)**

<b>CODE</b>	<b>TERM</b>	<b>DEFINITION</b>
<b>A</b>		
AA	Two Hundred and fifty	Two hundred and fifty (250) of an item
AM	*Ampoule	A small glass or plastic tube sealed by fusion after filling.
AT	Assortment	A collection of a variety of items that fall into a category or class packaged as a small unit constituting a single item of supply. Use only when the term 'assortment' is a part of the item name.
AX	Twenty	Twenty (20) of an item.
AY	Assembly	A collection of parts assembled to form a complete unit, constituting a single item of supply, e.g., hose assembly. Use only when the term 'assembly' is a part of the item name.
<b>B</b>		
BA	*Ball	A spherical-shaped mass of material such as twine or thread.
BB	*Bobbin	A cylinder shaped reel or spool containing thread, yarn, wire.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## UNIT OF ISSUE

BC	*Block	A piece of material such as wood, stone or metal usually with one or more plane faces.
BE	*Bale	A shaped unit of compressible materials bound with cord or metal ties and usually wrapped, e.g., paper and cloth rags.
BF	Board Foot	A unit or measure for lumber equal to the volume of a board 12"x12"x1".
BG	*Bag	A flexible container of various sizes and shapes which is fabricated from such materials as paper, plastic or textiles. Includes 'sack' and 'pouch'.
BK	*Book	A booklike package, such as labels or tickets, fastened together along one edge, usually between protective covers.
BL	*Barrel	A cylindrical container, metal or wood, with sides that bulge outward and flat ends or heads of equal diameter. Includes 'keg'.
BD	*Bundle	A quantity of the same item tied together without compression.
BO	*Bolt	A flat fold of fabric having a stiff paperboard core.
BR	*Bar	A solid piece or block of various materials, with its length greater than its other dimensions, e.g., solder. Not applicable to items such as soap, beeswax, buffing compound.

DATA DICTIONARY

DATA ELEMENT DEFINITION

UNIT OF ISSUE

BT	*Bottle	A glass, plastic, or earthenware container of various sizes, shapes, and finishes such as jugs but excluding jars, ampoules, vials and carboys, with a closure for retention of contents.
BX	*Box	A rigid, three dimensional container of various sizes and materials. Includes 'case', 'carton', 'tray' and 'crate'.
<b>C</b>		
CA	*Cartridge	Usually a tubular receptacle containing loose or pliable material and designed to permit ready insertion into an apparatus for dispensing the material. Usually associated with adhesives and sealing compounds.
CB	*Carboy	A heavy duty, bottle-type container used for transportation and storage of liquids. Usually designed to be encased in a rigid protective outer container for shipment.
CC	Cubic Centimetre	A metric unit of cubic measure.
CD	Cubic Yard	A unit of cubic measure.
CE	*Cone	A cone-shaped mass of material wound on itself such as twine or thread wound on a conical core.
CF	Cubic Foot	A unit of cubic measure.
CG	Centigram	1/100 of a gram in the metric system.
CK	*Cake	A block of compacted or congealed matter. Applicable to such items as soap, buffing compound.
CL	*Coil	An arrangement of material such as wire, rope, and tubing wound in a circular shape.
CM	Centimetre	1/100 of a metre in the metric system.

DATA DICTIONARY

DATA ELEMENT DEFINITION

UNIT OF ISSUE

CN	*Can	A rigid receptacle made of fibre, metal, plastic, or a combination thereof. Cans may be cylindrical or any number of irregular shapes. Restricted to items which cannot be issued to less than container quantity. Includes 'pail' and 'canister'. Do not use when the packaged quantity equates to a unit of measure, i.e., pint, quart, gallon, ounce or pound.
CO	*Container	A general term for use only when an item is permitted to be packaged for issue in optional containers, e.g., bottle or tube for a single NSN.
CP	*Capsule	A metallic or plastic container for liquids.
CS	*Case	A container designed to hold a specific item(s) in a fixed position by virtue of conforming dimensions and/or attachments.
CT	*Carton	A container, usually of fibreboard or pasteboard, with fixed or collapsible joints and self-locking or tuck-in flaps.
CV	Cubic Decimetre	A metric unit of cubic measure.
CY	*Cylinder	A rigid, cylindrical, metal container designed as a portable container for storage and transportation of compressed gasses, generally equipped with protected valve closure and pressure relief safety device.
CZ	Cubic Meter	A unit of cubic measure expressed in the metric system of measurement.



DATA DICTIONARY

DATA ELEMENT DEFINITION

UNIT OF ISSUE

**D**

DA	Decametre	Ten (10) metres.
DB	Decalitre	Ten (10) litres.
DC	Decagram	Ten (10) grams.
DE	Decimetre	One tenth (1/10) of a metre (=10 CM = 100 MM = 0.1 M).
DG	Decigram	One tenth (1/10) of a gram (=10 CG = 100 MG = 0.1 G)
DK	*Card	A flat piece of thick paper or pasteboard to which various items can be attached or displayed.
DL	Decilitre	One tenth (1/10) of a litre (=10 CL = 100 ML = 0.1 L)
DM	Dram	1/16 of an ounce weight.
DR	*Drum	A cylindrical container designed as a exterior pack for storing and shipping bulk materials, e.g., fuels, chemicals, powders, etc. Drums may be made of metal, rubber polyethylene or plywood, or fibre with wooden, metal or fibre ends.
DZ	Dozen	Twelve (12) of an item of supply.

**E**

EA	Each	A numeric quantity of one item of supply. Do not use if a more specific term applies, such as kit, set, assortment, assembly, group, sheet, plate, strip or length.
----	------	---

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

UNIT OF ISSUE

**F**

FM	Fathom	A measure of six feet or a six feet square section (for wood).
FT	Foot	Unit of linear measurement, sometimes expressed as 'linear foot'.
FV	Five	Five (5) of an item.
FZ	Fluid Ounce (Imperial)	1/20 of a pint (Imperial).

**G**

GC	Gill (Imperial)	A measure of capacity equal to 1/4 of a pint (Imperial).
GI	Gallon (Imperial)	Unit of liquid measurement (4,546 litre).
GL	Gallon (US)	Unit of liquid measurement (3,785 litre).
GM	Gram	A small metric unit of mass.
GN	Grain	A small unit of weight (1/480 ounce Troy).
GP	Group	A collection of related items issued as a single item of supply, e.g., test set group. Use only when the term 'group' is a part of the item name.
GR	Gross	One hundred forty-four (144) of an item.

**H**

HC	Hundred Cubic Metres	A metric unit of cubic measure.
HD	Hundred	One hundred (100) of an item.
HF	Hundred Feet	A unit of linear measurement.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### UNIT OF ISSUE

HG	Hectogram	One hundred (100) grams weight (3.52 ounces).
HK	*Hank	A loop of yarn or roping, containing definite yardage, e.g., cotton, 840 yards; worsted, 560 yards. See 'skein' for comparison.
HL	Hectolitre	One hundred (100) litres (3.531 cubic feet).
HM	Hectometre	One hundred (100) metres.
HS	Hundred Square Feet	A unit of measure (area).
HW	Hundredweight	A weight equal to one hundred and twelve (112) pounds.
HY	Hundred Yards	A unit of linear measurement.
<b>I</b>		
IN	Inch	One twelfth (1/12) of a foot (linear).
IU	Unit	A standard or basic quantity into which an item of supply is divided.
<b>J</b>		
JR	*Jar	A rigid container having a wide mouth and often no neck, typically made of earthenware or glass. Excludes 'bottle'.
<b>K</b>		
KE	*Keg	A small barrel shaped container - see Barrel
KG	Kilogram	A metric weight of one thousand (1,000) gram (2.205 lbs).
KM	Kilometre	A measure of one thousand (1,000) metres.
KP	*Cop	A conical shaped wind for thread, yarn, cable.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## UNIT OF ISSUE

KT	Kit	A collection of related items issued as a single item of supply, such as the tools, instruments, repair parts, instruction sheets and often supplies typically carried in a box or bag. Also includes selected collections of equipment components, tools, and/or materials for the repair, overhaul, or modification of equipment. Use only when the term 'Kit' is a part of the item name.
----	-----	--

**L**

LB	Pound	A unit of avoirdupois weight measure equivalent to 16 ounces.
----	-------	---

LG	*Length	Term applies to items issued in fixed or specific linear measurement, without deviation. This term no longer applies to random lengths which will be expressed in definitive units of linear measure such as foot or yard. Excludes 'strip'.
----	---------	--

LI	Litre	A unit of liquid measure expressed in the metric system of measurement.
----	-------	---

LL	Fifty	Fifty (50) of an item of supply.
----	-------	----------------------------------

LM	Linear Metre	A term used for measuring preformed piping, insulation. Not the same as 'Metre'.
----	--------------	--

LO	*Lot	A quantity of an item or material supplied in specific sub-divisions.
----	------	---

LT	Long Ton	A weight of 2,240 pounds
----	----------	--------------------------

**M**

MC	Thousand Cubic Feet	A unit of cubic measure expressed in one thousand (1,000) increments.
----	---------------------	---

ME	Meal	The measure of food generally taken by an individual at one time.
----	------	---

MF	Thousand Feet	A unit of linear measure.
----	---------------	---------------------------

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### UNIT OF ISSUE

MG	Milligram	One thousandth part of a gram (0.0154 of a grain).
ML	Millilitre	One thousandth part of a litre (0.061 of a cubic inch).
MM	Millimetre	One thousandth part of a metre (0.0394 of an inch)
MN	Square Millimetre	A metric unit of square measure (area).
MR	Metre	A unit of linear measure expressed in the metric system of measurement, equivalent to 39.37 inches.
MX	Thousand	One thousand (1,000) of an item.

#### O

OT	Outfit	A collection of related items issued as a single item of supply, such as the tools, instruments materials, equipment and/or instruction manual(s) for the practice of a trade or profession or for the carrying out of a particular project or function. Use only when the term 'outfit' is a part of the item name.
----	--------	--

OZ	Ounce	A unit of liquid or avoirdupois weight.
----	-------	---

#### P

PB	Pint (Imperial)	A measure of capacity equal to 1/8 of a gallon (Imperial).
PC	*Piece	A portion or quantity of an item, often of definite length.
PD	*Pad	Multiple sheets of paper that are stacked together and fastened at one end by sealing.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## UNIT OF ISSUE

PG	*Package	A form of protective wrapping for two or more of the same item of supply. To be used only when a unit of measure or container type term is not applicable. Includes 'envelope'.
PK	*Pack	A parcel or quantity of the same item supplied wrapped or tied.
PM	Plate	A flat piece of square or rectangular-shaped metal of uniform thickness, usually 1/4 inch or more. Use only when 'plate' (NSCs 9515 and 9535) is used in an item name to denote shape.
PR	Pair	Two similar corresponding items, e.g., gloves, shoes, bearings; or items integrally fabricated of two corresponding parts, e.g., trousers, shears, goggles.
PT	Pint (US)	A measure of capacity equal to 1/8 of a gallon (US).
PZ	*Packet	A container used of subsistence items. Use only when 'food packet' is part of the item name (Group 89).

**Q**

QB	Quart (Imperial)	A measure of capacity equal to 1/4 of a gallon (Imperial).
QC	Square Centimetre	A metric unit of square measure (area).
QD	Square Decimetre	A metric unit of square measure (area).
QK	Quarter Kilogram	A unit of weight in the metric system equal to two hundred and fifty (250) grams.
QN	Quintal	One hundred (100) kilograms.
QR	Quire	A measure of 24 sheets of paper.
QT	Quart (US)	A measure of capacity equal to 1/4 of a gallon (US).

## DATA DICTIONARY

### DATA ELEMENT DEFINITION

UNIT OF ISSUE

#### R

RA	Ration	The food allowance of one person for one day. Use only when 'ration' (NSC 8970) is a part of the item name.
RL	*Reel	A cylindrical core on which a flexible material, such as wire or cable is wound. Usually has flanged ends.
RM	Ream	A quantity of paper varying from 480 to 516 sheets, depending upon grade.
RO	*Roll	A cylindrical configuration of flexible material which has been rolled on itself such as textiles, abrasive paper, photosensitive paper and film, and may utilize a core with or without flanges.

#### S

SD	*Skid	A pallet-like platform consisting of a loadbearing area fastened to and resting on runner type supports.
SE	Set	A collection of matched or related items issued as a single item of supply, i.e., tool sets, instrument sets, and matched sets. Use only when the term 'set' is a part of the item name.
SF	Square Foot	A unit of square measure (area).
SH	Sheet	A flat piece of rectangular-shaped material of uniform thickness that is very thin in relation to its length and width, such as metal, plastic, paper, and plywood. Use of this term is not limited to any group of items or NSCs. However, it will always be applied when 'sheet' is used in the item name to denote shape, e.g., aluminium alloy sheet, except items in NSC 7210.
SI	Square Inch	A unit of measure (area).

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## UNIT OF ISSUE

SK	Skein	A loop of yarn 120 yards in length, usually wound on a 54 inch circular core. See 'hank' for comparison.
SL	*Spool	A cylindrical form with an edge or rim at each end and axial hole for a pin or spindle on which a flexible material such as thread or wire is wound.
SM	Square Metre	A metric unit of square measure (area).
SO	Shot	A unit of linear measurement, usually applied to anchor chain; equivalent to 15 fathoms (90 ft).
SP	*Strip	A relatively narrow, flat length of material uniform in width, such as paper, wood, and metal. Use only when the term 'strip' is a part of the item name.
SX	*Stick	Material in a relatively long and slender, often cylindrical form for ease of application or use, e.g., abrasives.
SY	Square Yard	A unit of square measure (area).
<b>T</b>		
TD	Twenty-four	Twenty-four (24) of an item.
TF	Twenty-five	Twenty-five (25) of an item.
TI	*Tin	A box-like metal container with flap or lid cover.
TL	Thousand Litre	One thousand (1,000) Litre.
TM	Metric Ton	One thousand (1,000) kilograms
TN	Ton	The equivalent of 2,000 lbs. Includes short ton and net ton.



DATA DICTIONARY

DATA ELEMENT DEFINITION

UNIT OF ISSUE

TO	Troy Ounce	A unit of troy weight measure, based on 12 ounce pound, generally applied to weights of precious metals.
TS	Thirty-six	Thirty-six (36) of an item.
TT	*Tablet	A flat sheet or piece of prepared substance.
TU	*Tube	Normally a squeeze-type container, most commonly manufactured from a flexible type material and used in packaging toothpaste, shaving cream, and pharmaceutical products. Also applicable as form around which items are wound, such as thread. It is not applicable to mailing tube, pneumatic tube, or cylindrical containers of a similar type.

**V**

VC	Five Hundred	Five hundred (500) of an item.
VI	*Vial	A small glass container generally less than an inch in diameter. Vials are flat-bottomed and tubular in shape and have a variety of neck finishes.

**X**

XX	Ten	Ten (10) of an item.
----	-----	----------------------

**Y**

YD	Yard	A unit of linear measure, equivalent to 3 feet and sometimes expressed as 'linear yard'.
----	------	--

**Z**

ZV	Syphon	An aerated container from which liquid is forced by pressure of gas.
----	--------	--

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

UNIT OF ISSUE

TABLE II - UNIT OF ISSUE (Alphabetic Order)

TERM	CODE
* Ampoule	AM
Assembly	AY
Assortment	AT
* Bag	BG
* Bale	BE
* Ball	BA
* Bar	BR
* Barrel	BL
* Block	BC
Board Foot	BF
* Bobbin	BB
* Bolt	BO
* Book	BK
* Bottle	BT
* Box	BX
* Bundle	BD
* Cake	CK
* Can	CN
* Capsule	CP
* Carboy	CB
* Card	DK
* Carton	CT
* Cartridge	CA
* Case	CS
Centigram	CG
Centimetre	CM
* Coil	CL
* Cone	CE
* Container	CO
Cop	KP
Cubic centimetre	CC
Cubic decimetre	CV
Cubic foot	CF
Cubic metre	CZ
Cubic yard	CD
* Cylinder	CY

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

UNIT OF ISSUE

	Decagram	DC
	Decalitre	DB
	Decametre	DA
	Decigram	DG
	Decilitre	DL
	Decimetre	DE
	Dozen	DZ
	Dram	DM
*	Drum	DR
	Each	EA
	Fathom	FM
	Fifty	LL
	Five	FV
	Five Hundred	VC
	Fluid ounce	FZ
	Foot	FT
	Gallon (US)	GL
	Gallon imperial	GI
	Gill imperial	GC
	Grain	GN
	Gram	GM
	Gross	GR
	Group	GP
*	Hank	HK
	Hectogram	HG
	Hundred	HD
	Hundred cubic metres	HC
	Hundred feet	HF
	Hundred kilogram (quintal)	QN
	Hundred litres (hectolitre)	HL
	Hundred metres (hectometre)	HM
	Hundred square feet	HS
	Hundred weight	HW
	Hundred yards	HY
	Inch	IN
*	Jar	JR
*	Keg	KE
	Kilogram	KG
	Kilometre	KM
	Kit	KT
*	Length	LG
	Linear metre	LM

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

UNIT OF ISSUE

	Litre	LI
	Long Ton (2,240 lbs)	LT
*	Lot	LO
	Meal	ME
	Metre	MR
	Metric ton (thousand kilogram)	TM
	Milligram	MG
	Millilitre	ML
	Millimetre	MM
	Ounce	OZ
	Outfit	OT
*	Pack	PK
*	Package	PG
*	Packet	PZ
*	Pad	PD
	Pair	PR
*	Piece	PC
	Pint imperial	PB
	Pint US	PT
	Plate	PM
	Pound	LB
	Quart imperial	QB
	Quart US	QT
	Quarter kilogram	QK
	Quintal	QN
	Quire	QR
	Ration	RA
	Ream	RM
*	Reel	RL
*	Roll	RO
	Set	SE
	Sheet	SH
	Shot	SO
	Skein	SK
*	Skid	SD
*	Spool	SL
	Square centimetre	QC
	Square decimetre	QD
	Square foot	SF
	Square inch	SI
	Square metre	SM
	Square millimetre	MN
	Square yard	SY

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### UNIT OF ISSUE

*	Stick	SX
*	Strip	SP
	Syphon	ZV
*	Tablet	TT
	Ten	XX
	Thirty six	TS
	Thousand	MX
	Thousand cubic feet	MC
	Thousand feet	MF
	Thousand litre	TL
*	Tin	TI
	Ton (2,000 lbs)	TN
	Troy ounce	TO
*	Tube	TU
	Twenty	AX
	Twenty five	TF
	Twenty four	TD
	Two hundred & fifty	AA
	Unit	IU
*	Vial	VI
	Yard	YD

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	UNIT OF MEASURE
ABBREVIATION .....	UM
TEXT ELEMENT IDENTIFIER (TEI).....	UOM

CHARACTERISTICS

Format .....	a2
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Provides a definitive unit of explicit measurement.

CODE

See Table attached.

Units preceded by an asterisk (\*) are recommended units.

REMARKS

The UM is provided, along with the QUANTITY PER UNIT OF ISSUE, when the UNIT OF ISSUE alone is insufficient to fully describe how the item is supplied.

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### UNIT OF MEASURE

#### UNIT OF MEASURE (ALPHABETIC ORDER)

	Assembly	AY
	Assortment	AT
	Board Foot	BF
	Centigram	CG
*	Centimetre	CM
*	Cubic centimetre	CC
*	Cubic decimetre	CV
*	Cubic foot	CF
*	Cubic metre	CZ
*	Cubic yard	CD
	Decagram	DC
	Decalitre	DB
	Decametre	DA
	Decigram	DG
	Decilitre	DL
*	Decimetre	DE
	Dozen	DZ
	Dram	DM
*	Each	EA
	Fathom	FM
	Fifty	LL
	Five	FV
	Five hundred	VC
	Fluid ounce	FZ
*	Foot/foot run	FT
*	Gallon (US)	GL
	Gallon imperial	GI
	Gill imperial	GC
	Grain	GN
*	Gram	GM
	Gross	GR
	Group	GP
	Hectogram	HG
	Hundred	HD
	Hundred cubic metres	HC
	Hundred feet	HF
	Hundred kilogram (quintal)	QN
	Hundred litres (hectolitre)	HL

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## UNIT OF MEASURE

*	Hundred metres (hectometre)	HM
	Hundred square feet	HS
	Hundred weight	HW
	Hundred yards	HY
*	Inch	IN
*	Kilogram	KG
*	Kilometre	KM
	Kit	KT
	Linear metre	LM
*	Litre	LI
	Long ton (2240 lbs)	LT
	Lot	LO
	Meal	ME
*	Metre	MR
	Metric ton(thousand kilogram)	TM
	Milligram	MG
	Millilitre	ML
	Millimetre	MM
*	Ounce	OZ
	Outfit	OT
*	Pair	PR
*	Pint (Imperial)	PB
*	Pint (US)	PT
	Plate	PM
*	Pound	LB
*	Quart (Imperial)	QB
*	Quart (US)	QT
	Quarter kilogram	QK
	Quire	QR
	Ration	RA
	Ream	RM
	Set	SE
	Sheet	SH
	Shot	SO
	Skein	SK
*	Square centimetre	QC
*	Square decimetre	QD
*	Square foot/super foot	SF
	Square inch	SI
*	Square metre	SM
	Square millimetre	MN



## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### UNIT OF MEASURE

*	Square yard	SY
	Syphon	ZV
	Ten	XX
	Thirty six	TS
	Thousand	MX
	Thousand cubic feet	MC
	Thousand feet	MF
	Thousand litre	TL
*	Ton (2000 lbs)	TN
	Troy ounce	TO
	Twenty	AX
	Twenty five	TF
	Twenty four	TD
	Two hundred & fifty	AA
	Unit	IU
*	Yard	YD

#### EXAMPLES:

UI	= CN	)	This indicates that the item
UM	= LI	)	is supplied in 5 Litre Cans.
QPUI	= 5	)	

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>UNIT PRICE</b>
<b>ABBREVIATION .....</b>	<b>UP</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>UPR</b>

**CHARACTERISTICS**

Format .....	n..12
Justification .....	
Format of Hardcopy print .....	SEE REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

To indicate the price of an item related to:

- UNIT OF ISSUE
- CURRENCY
- ECONOMIC CONDITIONS
- TYPE OF PRICE
- PRICE CONDITION

**CODE**

Enter the actual UNIT PRICE with two implied decimal places.

**REMARKS**

In Provisioning documentation, the UNIT PRICE will always be subject to separate contractual conditions and negotiations.

ECONOMIC CONDITIONS, PRICE CONDITION and PRICE CATEGORY are not included in IP Lists.

The format of hardcopy print is n..10, decimal point, n2.



DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	USABLE ON CODE ASSEMBLY
ABBREVIATION .....	UOCA
TEXT ELEMENT IDENTIFIER (TEI).....	UCA

**CHARACTERISTICS**

Format .....	an6
Justification .....	
Format of Hardcopy print .....	see REMARKS
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Identifies assembly variants and configurations, and provides the means of relating the applicability of breakdown parts to their respective assemblies.

**CODE**

See Sheet 2.

**REMARKS**

Mirrored assemblies should be treated as assembly variants.

In the Illustrated Parts Catalogue whenever the UOCA has a value it should always be prefixed by a double asterisk (\*\*) to differentiate it from USABLE ON CODE EQUIPMENT.

**DATA DICTIONARY**

**DATA ELEMENT DEFINITION**

USABLE ON CODE ASSEMBLY

**CODE**

Against the assembly variants and configurations (V/C) enter a single alpha code in the following specified positions, filling the remaining positions with significant blanks.

		<b>UOCA Position</b>					
		1	2	3	4	5	6
1st	Assy V/C	A					
2nd	Assy V/C		B				
3rd	Assy V/C			C			
4th	Assy V/C				D		
5th	Assy V/C					E	
6th	Assy V/C						F

This indicates that UOCA can be applied for, up to a maximum of, six assembly V/Cs.

Against the breakdown parts, to identify their applicability to their respective V/C, enter the UOCAs of the V/Cs to which the breakdown part relates, in the appropriate position in the field, and fill the remaining positions with a hyphen '-'.

When a breakdown part is applicable to all the V/Cs then the field should be left completely blank.

**REMARKS**

The UOCA should be used only in those cases where the resulting presentation gives a clear relationship between part and assembly. It cannot be used to differentiate sub-assembly variants, and their breakdown parts, within assembly variants.

Where a clear relationship between part and assembly cannot be provided, or in cases where more than six variant assemblies exist, the assembly breakdowns should be presented separately or in smaller groups.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

USABLE ON CODE ASSEMBLY

**EXAMPLES:**

For an IP presentation which includes three assembly V/Cs.

	Part Number	UOCA					
		1	2	3	4	5	6
Assembly V/C1	10	A					
Assembly V/C2	20		B				
Assembly V/C3	30			C			
Part	11	A	-	-	-	-	-
Part	21	-	B	-	-	-	-
Part	31						
Part	45	A	-	C	-	-	-

The UOCA coding shown against the breakdown parts indicates that:

- Part '11' is only applicable to assembly V/C1
- Part '21' is only applicable to assembly V/C2
- Part '31' is applicable to all assembly V/Cs, 1, 2, & 3.
- Part '45' is only applicable to assembly V/Cs 1 & 3.



## DATA DICTIONARY

### DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... USABLE ON CODE EQUIPMENT  
 ABBREVIATION ..... UOCE  
 TEXT ELEMENT IDENTIFIER (TEI)..... UCE

#### CHARACTERISTICS

Format ..... an8  
 Justification .....  
 Format of Hardcopy print .....  
 Originator of Data ..... CONTRACTOR

#### DESCRIPTION/PURPOSE

Identifies equipment variants and configurations and provides the means of relating the applicability of breakdown parts to their respective equipments.

#### CODE

Against the equipment variants and configurations (V/C), enter a single alpha code in the following specified positions, filling the remaining positions with significant blanks.

(See sheet 2)

#### REMARKS

The UOCE will only be provided in the Initial Provisioning (IP) presentation of an equipment, it will not be given in an IP presentation of an aircraft or engine.

The inclusion of more than eight equipment V/Cs in a single IP presentation is not considered to be practical. When these circumstances arise, they should be handled by splitting the equipment V/Cs appropriately to make additional IP presentations.

The data element is not to be transmitted if there is only one build standard.

EXAMPLE : See sheet 3.



**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

USABLE ON CODE EQUIPMENT

**CODE (Cont.)**

		<b>UOCE Position</b>							
		1	2	3	4	5	6	7	8
1st	V/C	A							
2nd	V/C		B						
3rd	V/C			C					
4th	V/C				D				
5th	V/C					E			
6th	V/C						F		
7th	V/C							G	
8th	V/C								H

This indicates that the UOCE can be applied for, up to a maximum of eight equipment V/Cs.

Against the breakdown parts, to identify their applicability to their respective V/C, enter the UOCEs of the V/Cs to which the breakdown part relates, in the appropriate positions in the field, and fill the remaining position with a hyphen '-'.

When a breakdown part is applicable to all the V/Cs then the field should be left completely blank.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

USABLE ON CODE EQUIPMENT

**EXAMPLES:**

For an IP presentation covering three equipment V/Cs.

	Part Number		UOCE							
	1	2	3	4	5	6	7	8		
Equipment V/C1	10	A								
Equipment V/C2	20		B							
Equipment V/C3	30			C						
Part	11	A	-	-	-	-	-	-	-	
Part	21	-	B	-	-	-	-	-	-	
Part	31									
Part	45	A	-	C	-	-	-	-	-	

The UOCE coding shown against the breakdown parts indicates that;

- Part '11' is only applicable to equipment V/C1
- Part '21' is only applicable to equipment V/C2
- Part '31' is applicable to all equipment V/Cs 1, 2, & 3.
- Part '45' is only applicable to equipment V/Cs 1 & 3



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	USER (NATION) CODE
ABBREVIATION .....	UNC
TEXT ELEMENT IDENTIFIER (TEI).....	USR
<b>CHARACTERISTICS</b>	
Format .....	an3
Justification .....	
Format of Hardcopy print .....	
Originator of Data .....	CUSTOMER/CONTRACTOR

**DESCRIPTION/PURPOSE**

This code is used to identify the Country/Organization to which an address belongs.

**CODE**

1st character: Available for use by the user, otherwise filled with asterisk (\*).

2nd + 3rd character: Outlined in the Table.

**REMARKS**

The first character of the USER (NATION) CODE may be used as an addition to any other address code contained in this Dictionary. This enables the user to express/handle six characters address codes.

The codes are in accordance with DOD 5105.38 M/4140.17 M

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

USER (NATION) CODE

**TABLE**

<b>Country/Organization</b>	<b>Code</b>
Afghanistan	AF
African Region	R6
Algeria	AG
American Republic Region	R5
Andorra	AN
Angola	AO
Anguilla	AV
Antigua and Barbuda (UK)	AC
Argentina	AR
Australia	AT
Austria	AU
Bahamas	BF
Bahrain	BA
Bangladesh	BG
Barbados	BB
Belgium	BE
Belize (UK)	BH
Benin	DA
Bermuda (UK)	BD

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

	USER (NATION) CODE
Bhutan	BT
Bolivia	BL
Botswana	BC
Brazil	BR
British Virgin Islands (UK)	VI
Brunei	BX
Bulgaria	BU
Burma	BM
Burundi	BY
Cameroon	CM
Canada	CN
Cape Verde, Republic of	CV
Cayman Islands (UK)	CJ
Central African Republic	CT
Central Treaty Organization (CENTO)	T3
Chad	CD
Chile	CI
China	CH
Colombia	CO
Comoros	CR
Congo	CF
Costa Rica	CS

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

	USER (NATION) CODE
Cuba	CU
Cyprus	CY
Denmark	DE
Department of Defense	00
General Cost - MAP (GC-MAP)	22
Djibouti	DJ
Dominica	DO
Dominican Republic	DR
East Asia/Pacific Region	R4
Ecuador	EC
Egypt	EG
El Salvador	ES
Equatorial Guinea	EK
Ethiopia	ET
European Participating Governments F-16 Contract Administration Services (EPG F-16 CASEUR)	EP
European Region	R2
Falkland Islands (UK)	FA
Fiji	FJ
Finland	FI
France	FR
French Guiana (FR)	FG
French Polynesia (FR)	FP

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

## USER (NATION) CODE

Gabon	GB
Gambia	GA
Germany	GY
Ghana	GH
Gibraltar (UK)	GI
Greece	GR
Greenland (DEN)	GL
Grenada	GJ
Guadeloupe (FR)	GP
Guatemala	GT
Guinea	GV
Guinea-Bissau	PU
Guyana	GU
Haiti	HA
Honduras	HO
Hong Kong (UK)	HK
Iceland	IL
India	IN
Indochina	IC
Indonesia	ID
International Civil Aviation Organization (ICAO HQ)	T7



## SPECIFICATION 2000M

### DATA DICTIONARY DATA ELEMENT DEFINITION

#### USER (NATION) CODE

International Civil Defense Organization (ICDO HQ)	T8
Iran	IR
Iraq	IQ
Ireland	EI
Israel	IS
Italy	IT
Ivory Coast	IV
Jamaica	JM
Japan	JA
Jordan	JO
Kampuchea (Cambodia)	CB
Kenya	KE
Kiribati	KR
Korea (Seoul)	KS
Kuwait	KU
Laos	LA
Lebanon	LE
Lesotho	LT
Liberia	LI
Libya	LY
Liechtenstein	LS

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

	USER (NATION) CODE
Luxembourg	LX
Macau (PORT)	MC
Madagascar	MA
Malawi	MI
Malaysia	MF
Maldives	MV
Mali	RM
Malta	MT
MAP ICP - US Army Logistics Depot, Japan (USALDJ)	D4
MAP Owned Materiel (MAPOM)	M3
MAP Property Sales and Disposal (MAPSAD)	M2
Martinique	MB
Mauritania	MR
Mauritius	MP
Mexico	MX
Monaco	MN
Mongolia	MG
Montserrat (UK)	MH
Morocco	MO
Mozambique	MZ
Nambia	WA
Nauru	NR

## SPECIFICATION 2000M

### DATA DICTIONARY

#### DATA ELEMENT DEFINITION

#### USER (NATION) CODE

Near East and South Asia Region (NESA)	R3
Nepal	NP
Netherlands	NE
Netherlands Antilles (NE)	NA
New Calendonia (FR)	NC
New Zealand	NZ
Nicaragua	NU
Niger	NK
Nigeria	NI
Niue	NQ
Norfolk Islands (AUST)	NF
North Atlantic Treaty Organization (NATO)	N2
NATO Airborne Early Warning and Control Program Management Office (NAPMO)	N1
NATO Aircraft Early Warning and Control (Ground Environment Interface) (NATO AEW+C (GEI))	K9
NATO Aircraft Early Warning and Control (Ground Environment Interface) (NATO AEW+C (GEI))	K8
NATO Aircraft Early Warning and Control (Operations and Support Budget) (NATO AEW+C (O+S))	K7
NATO Headquarters	N6
NATO Infrastructure	N5
NATO Integrated Communications System Management Agency (NICSMA)	K4

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

	USER (NATION) CODE
NATO Maintenance and Supply Agency-General (NAMSA-General)	N4
NATO Maintenance and Supply Agency-Nike Training Center (NAMSA-NNTC)	K6
NATO Maintenance and Supply Agency-F104 (NAMSA-F104)	K2
NATO Maintenance and Supply Agency - HAWK and NATO HAWK Production & Logistics Office (NAMSA-HAWK & NHPLO)	N7
NATO Missile Fire Installation (NAMFI)	N9
NATO Multi-Role Combat Aircraft (MRCA) Development & Prod Agency (NAMMA)	K3
NATO EFA Development, Production and Logistic Management Agency (NEFMA)	KN
NATO Mutual Weapons Development Program (MWDP)	N8
NATO Seasparrow	N3
NATO-Weapons Production Program (NATO-WPP)	K1
Norway	NO
Oman	MU
Organization of American States (OAS HQ)	A1
Pakistan	PK
Panama	PN
Panama Canal Area Military Schools (PACAMS)	11
Papua-New Guinea	PP
Paraguay	PA
Peru	PE
Philippines	PI

## SPECIFICATION 2000M

### DATA DICTIONARY DATA ELEMENT DEFINITION

#### USER (NATION) CODE

Pitcairn (UK)	PC
Portugal	PT
Qatar	QA
Reunion (FR)	RE
Romania	RO
Rwanda	RW
San Marino	SM
Sao Tome and Principe	TP
Saudi Arabia	SR
Senegal	SK
Seychelles	SE
Sierra Leone	SL
SINAI Peacekeeping Force (Sinai Peace Force)	S2
Singapore	SN
Solomon Islands	BP
Somalia	SO
South Africa	UA
South East Asia Treaty Organization (SEATO)	T4
Spain	SP

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

## USER (NATION) CODE

Sri Lanka	CE
St Christopher-Nevis (UK)	SC
St Helena (UK)	SH
St Lucia	ST
St Pierre and Miquelon (FR)	SB
St Vincent & Grenadines	VC
Sudan	SU
Supreme Allied Commander Atlantic (SACLANT)	K5
Supreme Headquarters, Allied Powers, Europe (SHAPE)	A2
Suriname	NS
Swaziland	WZ
Sweden	SW
Switzerland	SZ
Syria	SY
Taiwan	TW
Tanzania	TZ
Thailand	TH
Togo	TO
Tonga	TN
Trinidad-Tobago	TD
Tunisia	TU

## SPECIFICATION 2000M

### DATA DICTIONARY DATA ELEMENT DEFINITION

#### USER (NATION) CODE

Turkey	TK
Turks and Caicos (UK)	TS
Tuvalu	TV
Uganda	UG
Union of Soviet Socialist Republics	UR
United Arab Emirates	TC
United Kingdom	UK
United Nations (UN)	T9
Upper Volta	UV
Uruguay	UY
Vanuala	NH
Venezuela	VE
Vietnam	VS
Western Somoa	WS
Yemen (Aden)	YS
Yemen (Sanaa)	YE
Yugoslavia	YU
Zaire	CX
Zambia	ZA
Zimbabwe	ZI

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME ..... VOLUME OF CONSIGNMENT

ABBREVIATION ..... VOC

TEXT ELEMENT IDENTIFIER (TEI)..... VOC

## CHARACTERISTICS

Format .....	an..13
Justification .....	LEFT
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONSIGNOR

## DESCRIPTION/PURPOSE

Shows the overall volume of one consignment.

## CODE

- |                       |   |   |
|-----------------------|---|---|
| First two positions   | - | Volume unit. Refer to UNIT OF MEASURE.                                |
| Next eleven positions | - | Enter actual value of overall volume with two implied decimal places. |

## REMARKS

Format of hard copy print is a2, n..9, decimal point, n2.





## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>WEIGHT OF CONSIGNMENT</b>
<b>ABBREVIATION .....</b>	<b>WOC</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>WOC</b>

**CHARACTERISTICS**

Format .....	an..13
Justification .....	LEFT
Format of Hardcopy print .....	See REMARKS
Originator of Data .....	CONSIGNOR

**DESCRIPTION/PURPOSE**

Shows the gross weight of one consignment.

**CODE**

First two positions	-	Weight unit used. Refer to UNIT OF MEASURE.
Next eleven positions	-	Enter actual value of Gross Weight with two implied decimal places.

**REMARKS**

Format of hard copy print is a2, n..9, decimal point, n2.



## DATA DICTIONARY

## DATA ELEMENT DEFINITION

<b>DATA ELEMENT NAME .....</b>	<b>WEIGHT OF PACKAGED UNIT</b>
<b>ABBREVIATION .....</b>	<b>WPU</b>
<b>TEXT ELEMENT IDENTIFIER (TEI).....</b>	<b>WPU</b>

**CHARACTERISTICS**

Format .....	an7
Justification .....	
Format of Hardcopy print .....	AANNNNN
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Shows the gross weight of an item with packaging.

**CODE**

First two positions - Weight Unit used.  
Next five positions - Gross Weight (right justified).

For Weight Unit refer to UNIT OF MEASURE Table.

**REMARKS**

Whenever an item has a STANDARD PACKAGE QUANTITY the weight quoted will be that of the packaged STANDARD PACKAGE QUANTITY.

The use and application of this data element is to be agreed between the Customer and Contractor at the start of the Project.

This data would only be provided for items which have a REASON FOR SELECTION other than '0'.

## **SPECIFICATION 2000M**

### **DATA DICTIONARY**

#### **DATA ELEMENT DEFINITION**

WEIGHT OF PACKAGED UNIT

#### **EXAMPLES:**

KG00022 - Indicates an item weighs 22 Kilograms when packaged.

## DATA DICTIONARY

## DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	WEIGHT OF UNPACKAGED UNIT
ABBREVIATION .....	WUU
TEXT ELEMENT IDENTIFIER (TEI).....	WUU
<b>CHARACTERISTICS</b>	
Format .....	an7
Justification .....	
Format of Hardcopy print .....	AANNNNN
Originator of Data .....	CONTRACTOR

**DESCRIPTION/PURPOSE**

Shows the gross weight of an item without packaging.

**CODE**

First two positions - Weight Unit used.

Next five positions - Gross Weight (right justified).

For Weight Unit refer to UNIT OF MEASURE Table.

**REMARKS**

The use and application of this data element is to be agreed between the Customer and Contractor at the start of the Project.

This data would only be provided for items which have a REASON FOR SELECTION other than '0'.

**SPECIFICATION 2000M**

**DATA DICTIONARY**  
**DATA ELEMENT DEFINITION**

WEIGHT OF UNPACKAGED UNIT

**EXAMPLES:**  
KG00012 - Indicates an item’s unpackaged weight is12 Kilograms.

DATA DICTIONARY

DATA ELEMENT DEFINITION

DATA ELEMENT NAME .....	100-OFF FIGURE
ABBREVIATION .....	HOF
TEXT ELEMENT IDENTIFIER (TEI).....	HOF

CHARACTERISTICS

Format of hardcopy print .....	n..5
Justification .....	
Format of hardcopy print .....	
Originator of data .....	CONTRACTOR

DESCRIPTION/PURPOSE

Indicates the quantity of spares estimated to be consumed in the repair or overhaul of 100 end items.

CODE

Enter the actual quantity.

REMARKS





# The European Association of Aerospace Industries



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INTERNATIONAL SPECIFICATION  
FOR  
MATERIEL MANAGEMENT

INTEGRATED DATA PROCESSING  
FOR  
MILITARY EQUIPMENT

## **SPECIFICATION 2000M**

**REVISION 2.1, MAY 1992**

## **VOLUME 4**



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## SECTION A2-1

### GENERAL

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## **SECTION A2-1**

### **GENERAL**

#### **1. PURPOSE**

The purpose of this Appendix is to describe the standards which exist for the exchange of information under the Specification 2000M procedures. These standards include the conventions which define:

- a. The presentation of Provisioning and Procurement data which appear in the Specification 2000M or in other complementary documents, to enable the exchange of information between different sources and users.
- b. The interchange protocols needed to enable such data to be exchanged between the different systems.
- c. The rules which apply to the exchange of information between ADP systems by non-electronic means, and from ADP systems to manual administrative systems and vice versa.

The Appendix is intended to set the guidelines which allow data to be exchanged through different ADP Systems and communication network architectures. It therefore contains the conventions necessary, not only to allow transmission to take place, but also to allow the programmer to understand how the information contained within the message affects his data base.

Because of the nature of this Appendix, many technical terms are used; the meaning of these are included in Appendix 4 (Specification 2000M - Definitions and Abbreviations).

#### **2. AIM**

The use of the procedures and standards which are contained within this Appendix will enable the interchange of data between different computer and other systems to be achieved quickly and efficiently with the minimum of risk.

#### **3. CONDITIONS**

All data processing applications which use these procedures can be used within any type of computer hardware environment, subject to the following conditions and benefits:

- a. It is primarily used for the transfer of Provisioning and Procurement data relating to the transactions and operations described in Chapters 1A to 5, and such other information exchange requirements which have been identified.
- b. Application software will have to arrange such data logically compatible with the need to construct messages economically. Such software will also need to access the data base in order to initiate and deliver the information contained in the messages.

## **SPECIFICATION 2000M**

- c. Such data, which has been passed to the data base, can be updated and amended as the transaction progresses, as required by the processes within the Specification 2000M.
- d. The exchange of data and information between the different computer and other systems can be achieved by on-line or off-line means.

This Appendix refers to the transfer of structured information only; it does not include bar coded information (which is covered in Appendix 3 (Machine Readable Code (Bar Coding))).

### **4. REFERENCES**

The References, authorities and standards which have been used in the development of this Appendix are listed in Annex D (Specification Cross-Reference).

The procedures contained herein conform with the Open Systems Interconnection (OSI) basic Reference Model defined by the International Organization for Standardization (ISO 7498).

Wherever possible, the procedures are also based upon the ATA Specification 2000 and the ISO 9735 - Electronic Data Interchange Standard for Administration, Commerce and Transport (EDIFACT). However, the Specification 2000M syntax is unique.

### **5. PERMISSIBLE CHARACTER SUB-SET**

Messages which are transmitted under the procedures contained within this Appendix are required to use the character sub-set defined in ISO 646, 6937 and 8859 standards. Whilst two levels (A and B) are offered within the sub-set, only Level A is to be used with this Specification.

### **6. DEFINITIONS OF DATA TYPES**

There are essentially two types of data which need to be transmitted: user data and service data. As applicable to this Specification, these terms are defined as follows:

- a. User Data. User data is the raw data used within the data elements of the application area; when confined within a computer system it will normally reside on the data base. However, the user data is also contained within the data elements of the messages.
- b. Service Data. Service data is used to support the interchange; it will normally be inserted by special interface software. Service data is separate from the additional data which concern communications. In order to allow specialist ADP staffs to understand the principles and standards used, the term is used extensively within this Appendix.

## **7. COMMUNICATION METHODS**

### **7.1 Methods Excepting Microform And Facsimile Transmission**

The methods of exchanging data which are covered in this procedure consist of:

a. Electronic (on-line) transfer covering:

Public/Private Packet Switched Services  
Commercial EDI Services  
Message Handling Services

b. Magnetic/optical (off-line) transfer covering:

Magnetic Tape  
Floppy Disks  
Optical Disks

c. The use of public communication services, including:

Circuit Switched Networks  
Telex and Teletex  
Postal and Telephone Services

### **7.2 Microform**

The technical conditions for transferring information by microform techniques are excluded from this Appendix, although they are referred to within Chapters 1A to 5 of the Specification 2000M. However, one microform method (microfiche) is used in connection with the Illustrated Parts Catalogue; in consequence the technical requirements for microfiche are included in Chapter 1C.

### **7.3 Facsimile Transmission**

Facsimile transmission (eg. Telefax or Fax) is a communications service provided by National Telecommunication Agencies. It may operate in an analogue or digital transmission environment.

Facsimile transmission techniques are excluded from this Appendix as the technical conditions are based on the existing Public Telephone Networks and, therefore, information transfer is guaranteed.

### **8. USING THIS APPENDIX**

For ease of understanding, this Appendix is divided into four further parts:

Section A2-2 - Message Preparation for Transmission. This section defines in a condensed form the basic rules, at the application level, for structuring the Specification 2000M data, segments and messages for transmission, as well as the relevant acknowledgement and error notification procedures.

Section A2-3 - Interchange Standard. This section describes the standard of presentation for all data and messages ie. the syntactical rules, coding and structuring techniques which are required to ensure data can be interchanged between different partners.

Section A2-4 - Communication Methods. This section specifies the different methods of communication and their appropriate data interchanged transmission media.

Section A2-5 - Data Security. This section defines the requirements and rules for the handling and transmission of sensitive data within the Specification 2000M data interchange environment.

## SECTION A2-2

## MESSAGE PREPARATION FOR TRANSMISSION

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## **SECTION A2-2**

### **MESSAGE PREPARATION FOR TRANSMISSION**

#### **1. INTRODUCTION**

Generally, for the exchange of data and information, each transaction (or interchange) consists of one or more messages to create, amend or delete data located within a data base. Such messages must be created by the application software in a structured manner in order to allow them to be interchanged under any of the methods described in Section A2-4. All message types identified for use with this Specification are listed in Annex C.

The messages to be exchanged will normally result from user data and transactions formulated by the processes involved in Provisioning and Order Administration activity (as described in Chapters 1A to 5).

The aim of this Section is to define:

- The different types of messages.
- The rules (structure) needed to prepare these messages for transmission purposes.
- The procedures required to acknowledge, accept or reject interchanged User data.

#### **2. MESSAGE TYPES**

Within the Specification 2000M, there are three categories of messages:

- User (Application) Messages.
- Service Messages.
- Free Text Messages.

##### **2.1 Application Messages**

Application messages are all user messages which are defined in Chapters 1A to 5 of the Specification; these chapters also contain the full technical description of each message. Message types are included in the list at paragraph 2 of Annex C.

##### **2.2 Service Messages**

Service messages consist of all other messages which are concerned with the interchange, but do not originate directly from the requirements given in Chapters 1A to 5. These messages are included in Annex C. The rules for their use are contained in Section A2-3.



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### **2.3 Free Text Messages**

In addition to the transfer of application messages, the communications service will also allow system users to intercommunicate electronically in order to replace paper correspondence (such as mail). This is achieved by a special Free Text (FREETX) message. Examples of Free Text Messages include:

- Messages concerning any application (either Specification 2000M or any other matter).
- Messages concerning a previously transmitted message (either Specification 2000M or any other matter).

A Free Text Message is a completely separate message from any other, and is also included in Annex C. The rules concerning the construction of such messages for transmission are described in Annex A.

## **3. MESSAGE PREPARATION**

In order to prepare messages for the interchange, the data will need to be structured. Structuring rules are necessary to arrange the data for the transmission process; these rules are known as the syntax of the message. The syntax standard for Specification 2000M messages is based upon the ISO 9735 standard; it is however, quite different in important respects.

In addition to the syntax, the semantics of the message is necessary to explain the meaning of the data; this includes statements of logical relationships, and the explanation and purpose of such aspects as the conditions of existence. The semantics will be of most interest to the programmer who needs to understand what is required in order to construct or process the message.

Messages should aim to be grouped into message types - each message having a common structure behind them within each type.

### **3.1 Structural Elements**

The structural elements of any message will consist of:

- Data elements.
- Data segments.

These structural elements are always used in connection with the definition of both user and service data.

### **3.1.1 Data Element**

A Data Element is the smallest unit of named data which represents user or service information (for example: Part Number, Order Number, Price, etc.), and is defined by a Data Element Name.

All user data elements used with this Specification are contained in the Data Dictionary (Appendix 1), and all service data elements are contained within the United Nations Trade Data Elements Directory (UNTDDED).

The user data element, together with a 3 alpha coded Text Element Identifier (TEI), is known as a "Data Unit". Each user data element must not be defined more than once within a user data segment.

### **3.1.2 Text Element Identifiers**

This Specification 2000M standard includes the use of Text Element Identifiers (TEIs). Each TEI is a three character alphabetic code which is used to identify data elements within user data segments.

TEIs are used not only to identify data within the transmission process, but may also be used as an aid to subsequent application processing.

The TEI enables only significant user data to be transmitted, without having to indicate its position in the message, and allows each Data Unit to be fully identified to enable subsequent processing to be undertaken. There is, thus, no need to rely on the position of the data in the segment to understand what each is.

The TEI also acts as a reference to the user data element within the Data Dictionary (Appendix 1) and in other documentation.

When the TEI appears in the message, it will always form the first Component Data Element of the Data Unit (see paragraph 3.4.5 of Section A2-3). Those TEIs available are listed in Section A1-2 of the Data Dictionary (Appendix 1).

### **3.1.3 Status of Data Segments and Data Elements**

Within a message, all data segments and elements will have a status of essentiality to that message for semantic purposes; that is: whether they must be present or the conditions under which they can be omitted. (See also Section A2-3, paragraph 4.3.3.3)

In the case of data segments, this status may be mandatory (M), conditional (C) or optional (O). A group of segments (see paragraph 3.1.5) can bear a separate essentiality to that contained by each segment within the Group.

In the case of data elements, the status may be mandatory (M), conditional (C) or optional (O).

The full definition of these terms is given in Appendix 4. (See also Section A2-3 paragraph 4.3.3.3)

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### **3.1.4 Data Segment**

The Data Segment is a set of data units which have a logical or technical relationship with each other.

Within a message, those user data units which are common to the message type will be placed in a mandatory segment at level 0 which is called the header segment.

Each Data Segment is identified by its specific Segment Tag (see Section A2-3, paragraph 3.4.4), which consists of a unique code. Data segments, other than the first User (Header) Segment, may appear more than once, as necessary, within the message. However, in this case, the two separate appearances must not be confused. Data segment tags available for use with this Specification are listed in Annex C. If the same data segment is used in different messages, its definition must be identical in every respect (ie. the Tag and all the data units within the segment must be the same).

### **3.1.5 Order of Segments and Groups of Segments within a Message**

A message consists of all the data segments which are necessary to represent the complete information to be transmitted according to the Specification 2000M applications. These segments can be structured into hierarchical levels and groups for transmission, which are based upon their logical relationships.

The structure of the message is defined during message design, and is included in a technical specification which appears in the relevant chapters of this Specification. This technical specification will list the appropriate data segments and data units, and is explained more fully in paragraph 4.3 of Section A2-3

Each message must contain one user (Header) Segment at Level 0; other segments containing user data will reside at Levels 0 and below. However for AECMA Spec 2000M only one User Data Segment on Level 0 is allowed.

The segments used within the message will, for transmission purposes, appear in the sequence (top to bottom, left to right) specified in the message branching diagram (an example appears in Figure 1) which must accompany the technical specification containing details (the semantics) of the data units and their characteristics.

All segments will be indicated in the diagram by their codes; the header segment will have "H" as the last character, all others will end in "S". The requirement for their inclusion in the message (ie. status) is indicated directly below the codes by the letter M (Mandatory), C (Conditional) or O (Optional); the number of times the segment may appear (ie. be repeated) in each instance is indicated directly thereafter.

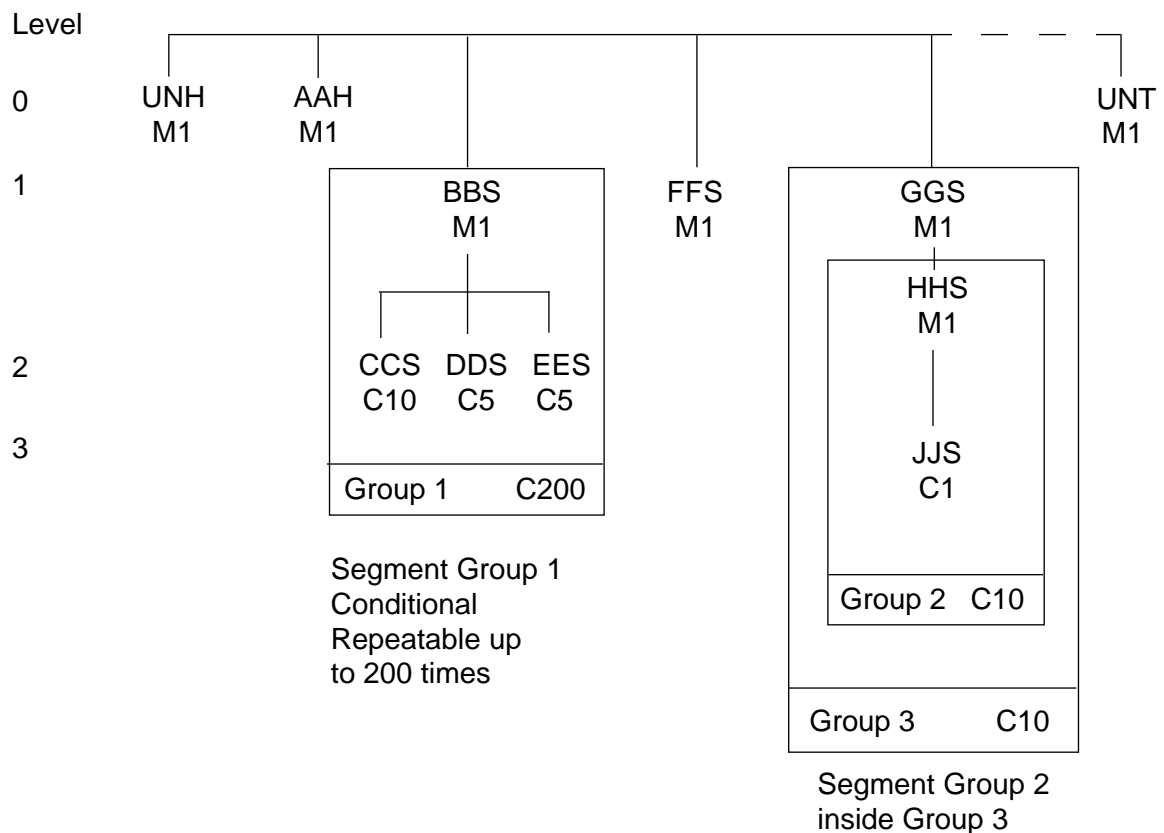
A Mandatory segment must appear at least once but not more times than indicated. A Conditional or Optional segment may be excluded or appear up to the number of times indicated. The conditions upon which segments may appear must be described on the branching diagram.

When a segment nests in another segment, it must be placed on the next lower level in the diagram. The principles of nesting are explained in paragraph 5.3 of Section A2-3. Segments in Level 0 cannot be repeated and must not contain any nested segments.

Two or more segments can be grouped. This is indicated by a box in the diagram. The group and the segments in the box can be mandatory or conditional and can appear up to the number of times indicated. A group can contain another, lower level, group or groups (Groups 2 and 3 in Figure 1). However, where a group is shown as Conditional, the circumstances must be explained.

All messages for transmission will begin with a special message Header segment (UNH) and end with a message trailer segment (UNT); the UNH segment may contain certain user data to identify key features - see Section A2-3, paragraph 4.

The general branching structure of a fictitious Message (which also indicates the processing sequence) is shown in Figure 1.



**FIGURE 1 - GENERAL STRUCTURE OF A MESSAGE (BRANCHING DIAGRAM)**

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Notes:

The top line in Figure 1 is broken to indicate the possibility of other segments. Within the example below, this broken line is represented by ... .

The processing/sequencing order of the segments is as follows (Group 1 appears twice and the other groups once):

UNH,AAH,BBS,CCS,DDS,EES,BBS,DDS,EES,FFS, GGS,HHS,JJS, UNT

### 3.2 Data Segment Structure

The structure of the data segment is fully explained in paragraph 3.4.3. of Section A2-3. It comprises a segment tag, (which contains a 3 alpha segment code), data units which are logically related, and a segment terminator (').

Data units are formed from the data element preceded by its Text Element Identifier (TEI); the user data required in the message will be placed into such data units for transmission.

#### 3.2.1 The Selection and Use of Key Data

The use of a unique "KEY" is essential to identify data which has a natural or artificial association for data processing purposes.

Where messages may be required to identify and update data held within a data base the "KEY" to the data being accessed must form part of the transmitted data - see also paragraph 4.4 of Section A2-3 for a description of the use of KEYs.

The key information will be logically or artificially related to the accompanying Data Units (attributes) for subsequent processing; it is important, therefore, that this relationship is borne in mind when preparing messages for transmission. For this reason, the key information in the header segment will be related to all other information in the remaining segments and this relationship must not be lost. It will be normal, therefore, for specific Data Units in each segment to be mandatory in order to preserve these links.

Keys are thus required, not only to allow access into data bases, but also to enable application processes to be developed which take account of the circumstances surrounding all related data.

The rules for establishing keys and relationships are known as the rules of NORMALIZATION. However, in certain circumstances a "natural" KEY may not exist and an artificial one must be produced. As this situation exists within Spec 2000M the artificial Segment Level Key (TEI SLK) has been introduced.:

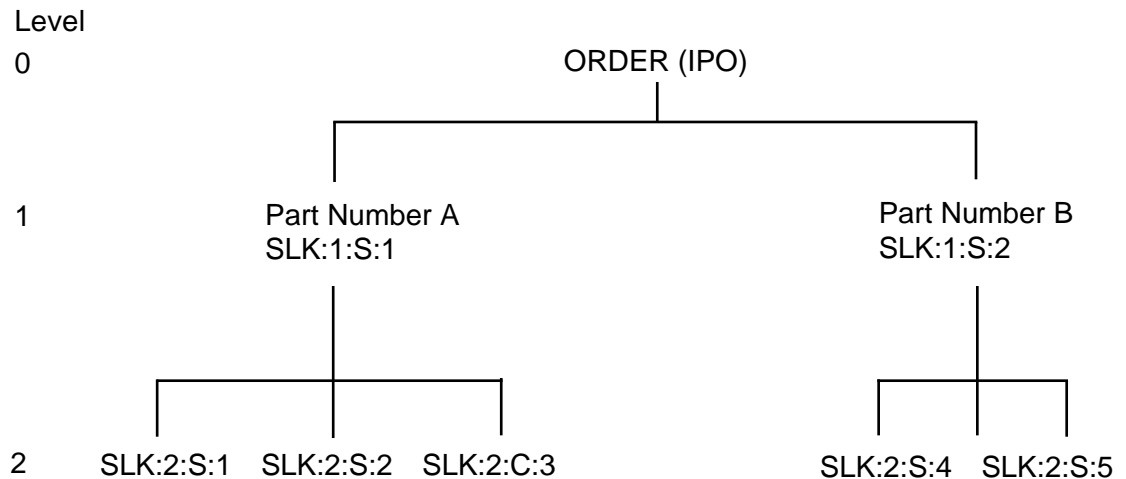
The general rules to be applied in the creation and use of SLKs are as follows:

- a. SLKs will only apply to Segment levels below Level 0 ie. 1,2 etc.
- b. An SLK may only be created by the originator of the Data Set (Segment Level).
- c. The SLK once created will remain as created until the Data it identifies no longer exists.
- d. Any subsequent messages which require a reference to a Data Set identified by an SLK must quote that SLK.
- e. The SLK will be unique across the Level and within its parent Level 0 - see Appendix 1.
- f. If a Segment Level Data Set is to be split, then the originator of the split will amend the Data Set as required and create a new Data Set and SLK. The new Data Set will contain the old SLK as Previous Key Data (TEI PKD).

Detailed requirements for an SLK are identified within each Chapter of Spec 2000M.

#### EXAMPLE

An Order situation with 2 Part Numbers and 5 Level 2 delivery segments:



### 3.2.2 Structuring Concept for Transmission Purposes

Each message to be exchanged is composed of one or more data segments. As explained in paragraph 3.1.5, for transmission purposes, each data segment will be identified by its segment code. However, segments are to be transmitted and processed in the order stated in the message branching diagram as described in Figure 1.

### **4. MESSAGE ACKNOWLEDGEMENT AND ERROR NOTIFICATION PROCEDURE**

#### **4.1 Purpose**

After the processing of any message, the recipient may be required to indicate to the originator of the message:

- a. That the message has been either accepted or errors have been detected.
- b. If errors have been found, what the reasons are.
- c. The errors actually found in the message.

Standard messages will have to be transmitted to undertake this task. These messages can be linked to an update, or to an interchange of one or more messages previously transmitted. The main principle to follow is that the same rules and message format will apply to both acknowledgements and error notifications irrespective of the transmission media used.

The Acknowledgement and Error Notification Procedure is detailed in Annex F.

#### **4.2 Message Acceptance and Error Notification**

All incoming messages will need to be checked in a common way to determine whether or not they can be processed.

##### **4.2.1 Reasons for Errors**

Errors will be found for a number of reasons:

- a. Corruption has occurred within the communications network. These are considered at the communications level and are not dealt with by this Specification.
- b. Messages may have been incorrectly constructed according to the requirements of the message specification. These are discussed further in the succeeding paragraphs.
- c. Messages have been correctly constructed and transmitted but do not make sense to the application. This situation is covered in the appropriate processes discussed in Chapters 1A to 5.

##### **4.2.2 Service Data Check**

On receipt, each message will be examined to establish whether or not it contains errors. The first check will be on the syntax and contents of the interchanged service segments. Any failure will not necessarily cause the interchange or message to be rejected; it may be possible to continue processing if the fault is minor. However, in either event a notification (CONTRL message) will be produced by the recipient to advise the sender of the quality of the received message. The use of the CONTRL message is described in paragraph 3 of Annex F.

#### 4.2.3 Message and User Data Check

This check will be for message and data errors, and whether or not the message complies with the agreed message specification (branching diagram). As a result an error notification (ERRNLT) message may be created to advise the sender of the status of each message. The error notification protocol for user data is discussed in Annex F, and the technical description of the ERRNLT message is given in paragraph 4 of that Annex.

#### 4.2.4 Additional Checks

There are special rules regarding certain messages. In addition to the above checks, further processing may be necessary. An example of this occurs in Section 1A-8.



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**SECTION A2-3**  
**INTERCHANGE STANDARD**  
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## **SECTION A2-3**

### **INTERCHANGE STANDARD**

#### **1. INTRODUCTION**

The aim of this Section is to describe how the structured user data is prepared for interchange, and is understood and verified despite any differences in the hardware or software of the communicating partners. In order to achieve this, a special syntax is used, and the method of its application is described in this Section.

The procedures are also structured around the Open Systems Interconnection (OSI) Basic Reference Model defined in ISO Standard 7498.

Interface software, written to meet the Specification 2000M standard, will reside on top of OSI Layer 7 (Application) and should not be confused with the message transfer protocols, starting in Layer 6 (Presentation), which are required when the communication session is set up.

A major principle of OSI is that the requirement for syntax and coding of all messages to be interchanged must be the same. These general rules, therefore, are applicable to all messages originating under the Specification 2000M procedures, whether they will be transmitted electronically or by any other media.

#### **2. SERVICE DATA**

In addition to messages composed of user data, and those comprising acknowledgement and rejection information (see paragraph 4 of Section A2-2), electronic communication will need to be supported by special service data in order to handle all messages contained therein.

Additional data which assists in the interchange process is known as communications data. This data is usually formulated and processed within the Transmission Bearer System (eg. X.25 Software). This subject is not discussed further within this Specification.

#### **3. SYNTAX STANDARDS**

The standards used within this Specification to achieve a successful interchange of information are based upon ISO 9735, but contain significant differences. These standards give the rules regarding the formation of the message structure for transmission purposes, and explain how data can automatically be prepared for the interchange. These rules are referred to as the syntax of the Specification.

##### **3.1 Delimiters**

The syntax standard requires delimiters to act as punctuation separators within the message string. These delimiters are reserved in Character set Level A (see Annex B), and cannot be used in their own right unless preceded by the release character itself.

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The default delimiters used are:

Apostrophe	(')	- segment terminator
Plus sign	(+)	- segment tag and data unit separator
Colon	(:)	- component data element separator
Question Mark	(?)	- release character

However, for the TEI IDENTITY IDENTIFIER and the Data Unit KDU an exception is made. They are presented as a Data Unit where the original Data Unit is presented as Data Element without using release characters.

Example: original Data Unit is AAA:VALUE  
in combination with KDU it becomes KDU:AAA:VALUE

original Data Unit is BBB:VALUE1:VALUE2  
in combination with TEI it becomes TEI:BBB:VALUE1:VALUE2

Refer to A2-3, para 4.4.2 and Appendix 1 (Data Dictionary) for further information.

### 3.2 Use of Release Character

The release character (?) can be used where it is necessary for a reserved character to be utilised to convey information rather than to act as a delimiter. The release character used immediately preceding a delimiter will restore the character to its normal meaning, eg. to transmit the plus sign (+), it would appear in the message as ?+. A Question Mark is represented by ??.

### 3.3 REPRESENTATION OF NUMERIC ELEMENT VALUES

#### 3.3.1 Decimal Point

The ISO representation for a decimal point is the comma (,) but a point on the line (full stop) is allowed (see ISO 31/0 1981). Both these characters are part of the Level A set, described in Annex B, and both alternatives are permitted; within Specification 2000M, however, the full stop is the preferred decimal point.

When the Service Segment UNA is used, its third character specifies the one character used in the interchange to represent the decimal mark, and thus overrides the above alternative use.

By default, numeric defined values will have an implied decimal point, and such a decimal point will not be entered but decimal zeros must be shown.

Any exceptions to this principle are specifically stated in the Data Dictionary.

Where a decimal point is transmitted there must be at least one digit before and after the decimal point.

The decimal point will not be counted as a character of the value when computing the maximum field length of the data element.

However, allowance will have to be made for the character in transmission and receipt.

Example:

Allowed: 0,5 and 2,0 and 2      Not allowed: ,5 or .5 or 2, or 2.  
Preferred: 0.5 and 2.0 and 2

### 3.3.2 Triad Separators

Triad separators must not be used in an interchange.

Allowed: 2500000      Not allowed: 2,500,000  
2.500.000 or 2 500 000

### 3.3.3 Sign

Numeric data values must be regarded as positive. Although conceptually a deduction is negative. It must be represented by a positive value; such cases must be clearly indicated in the Data Dictionary (Appendix 1).

If a value is to be indicated as negative, it must, in transmission, immediately be preceded by the minus sign eg. -112.

The minus sign must not be counted as a character of the value when computing the maximum field length of the data element. However, allowance has to be made for the character in transmission and reception.

## 3.4 Segmentation

All messages to be exchanged under this Specification will contain data organized and arranged in structured segments for transmission.

Structuring requirements of the messages are based upon the principles of segmentation and layering as described in Section A2-2. The application requirements and definitions of the relationships are given in the appropriate processes described in Chapters 1A to 5.

### 3.4.1 Classification of Segments

There are two classes of segments used within the Specification 2000M: user and service.

Each segment of whatever classification always starts with a segment code and is terminated by a delimiter consisting of a segment terminator (').

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### 3.4.2 Service Segments

Information to be transmitted will comprise user data segments which form the message. Additionally, the standard requires service segments to be wrapped around the user message before transmission takes place to assist in the routing and transmission processes. The information contained in the service segments may be required in further application processing.

It should be noted that the data elements in service segments do not use TEIs, but have a numeric reference allocated by ISO 7372. However, this ISO reference tag is not transmitted.

For this reason, the information in service segments is position-orientated and the absence of conditional elements must be indicated by the presence of delimiters in accordance with the ISO 9735 rules.

The description and the detail of service segments is contained in Annex E.

### 3.4.3 User Data Segments

The rules governing the use of user data segments are given in Section A2-2. However, within a transmission, the user data segments will be enveloped by service segments as indicated in paragraph 3.4.2.

Data segments are composed of a segment tag followed by a number of data units. Each message will always have two service and one user segment at Level 0.

The structure of a user data segment appears below:

Segment Tag, composed of:	Mandatory
Segment Code	Mandatory
Data element separator	Mandatory
Data Units	Mandatory or conditional as specified in the relevant message design specification
Segment terminator	Mandatory

Note: Data must not be contained within the segment tag.

### 3.4.4 Data Segment Tag

The contents of the (user) Data Segment Tag must identify the data segment. The tag consists of a segment code and is terminated by a data unit separator (+).

The Data Segment Code is a 3 alpha code, and is the only element of the Tag. The code defines each specific data segment. Segment codes starting with the two letters "UN", and that composed of "TXT", are reserved for use in service segments and must not be used for user data segments - see paragraph 4.1.

The segment code of the first (Header) user data segment at Level 0 will always have "H" as the third character; all other user segment codes must contain the character "S" in the third position.

These segment codes also must not be confused with TEIs.

#### *3.4.4.1 Message Header Segment Codes Available*

Message Header segment codes which are available for use with this Specification are listed in paragraph 4 of Annex C.

#### *3.4.4.2 Data Segment Codes Available*

Data segment codes available for use with this Specification are listed in paragraph 5 of Annex C.

#### *3.4.5 Data Unit*

A Data Unit (DU) is always composed of a tag, consisting of the Text Element Identifier (TEI) giving the relevant data element, followed by the data element (DE) itself. The TEI will be separated from the data element by a colon (:) delimiter. The DU is terminated by a data unit separator, except where it ends a segment.

The data element may be simple or composite. A simple data element has a single value.

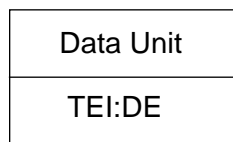
The Data Unit is composed of:

TEI	Mandatory
Component Data Element separator	Mandatory
Data Element, consisting of a Simple Data Element, or a Composite Data Element with: Component data elements and Component data element separators	Mandatory or Conditional as specified in the relevant message design specification (see restriction below)
	Mandatory, if Composite (see restriction below)
Data element separators	Mandatory (see restriction below)

Note: There shall be no component data element separator after the last component data element in a composite data element, and no data element separator nor data unit separator after the last data element in a segment.



The Data Unit is constructed as shown in Figure 1.

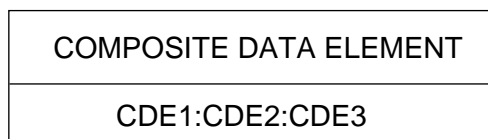


**FIGURE 1 - STRUCTURE OF A DATA UNIT**

#### *3.4.5.1 Composite Data Element*

A Composite Data Element is a data element which comprises two or more component data elements (CDE) identified by their positions within the data element. Component data elements are separated by a component data element delimiter (:).

The structure of a Composite Data Element is given in Figure 2. Every composite data element must be described in the Data Dictionary where the component data elements will be shown.



**FIGURE 2 - STRUCTURE OF A COMPOSITE DATA ELEMENT**

#### *3.4.5.2 Component Data Element*

A Component Data Element is a simple data element which is a subordinate portion of a composite data element. In the interchange, it is identified by its position within the composite data element.

### **4. INTERCHANGE STRUCTURE**

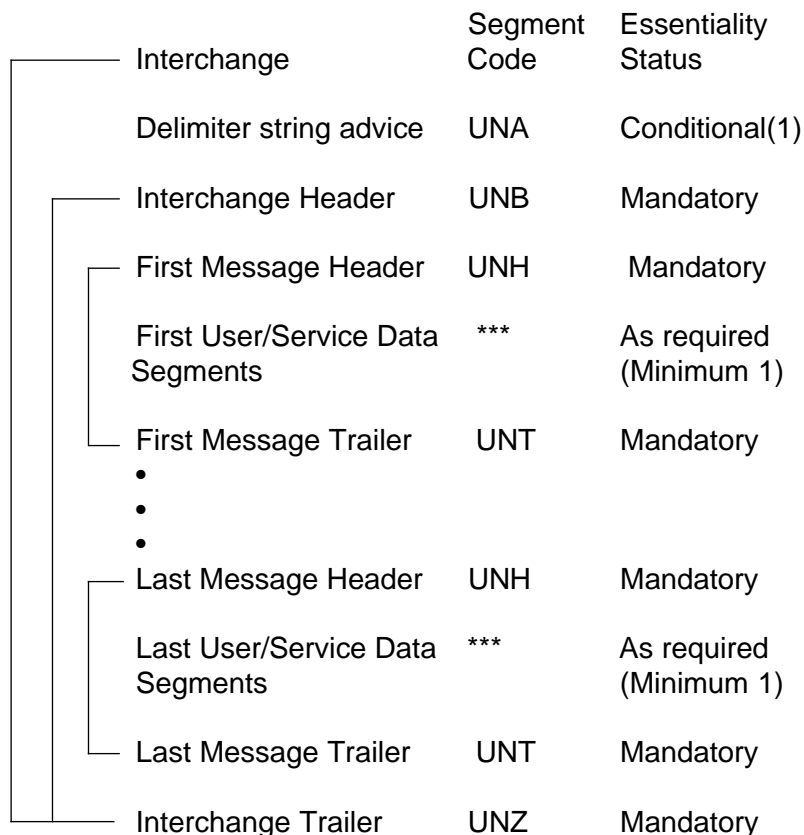
Segments will be organized into a message as detailed in Section A2-2. All messages used with this Specification will be supported by service segments. Such messages will be assembled for an interchange in accordance with the relevant branching diagram.

#### **4.1 Use of Service Segments**

For any type of interchange, service segments must appear in the order given (see Figure 3).

There may be several messages of the same type, or different messages, within an interchange.

Every interchange will be headed by the UNB segment and terminated by the UNZ segment; every message will be headed by a UNH segment and terminated by a UNT segment.



**FIGURE 3 - GROUPING OF SERVICE SEGMENTS**

Note: (1) The UNA segment will normally be used only when the delimiters in paragraph 3.1 are unsatisfactory.

The structure and content of the service segments are described in Annex E. The hierarchical structure of a complete interchange transaction is shown in Figure 4. The information contained within the segments is described in paragraph 3 of Annex E. The CONTRL message also contains additional service segments; these are described in paragraph 3 of Annex F.

## 4.2 Format of the Interchange

The interchange will start with a physical connection established by the transmission system chosen; these systems are described in Section A2-4.

The format of the interchange is depicted in Figure 4, and the following notes explain the detail:

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- A CONNECTION contains one or more interchanges. The technical protocols for the establishment, maintenance and termination, etc. are not part of this Specification.
- An INTERCHANGE contains:
  - UNA Delimiter String Advice.
  - UNB Interchange Header.
  - Message(s).
  - UNZ Interchange Trailer.
- A MESSAGE contains:
  - UNH Message Header.
  - Data Segment(s).
  - UNT Message Trailer.
- A DATA SEGMENT contains:
  - A Segment Tag, which contains a segment code.
  - Data Unit(s).
- A DATA UNIT contains:
  - A Text Element Identifier (TEI).
  - A Simple Data Element or a Composite Data Element.
- A SIMPLE DATA ELEMENT contains:
  - A single data element value.
- A COMPOSITE DATA ELEMENT contains:
  - Two or more element values known as COMPONENTS.

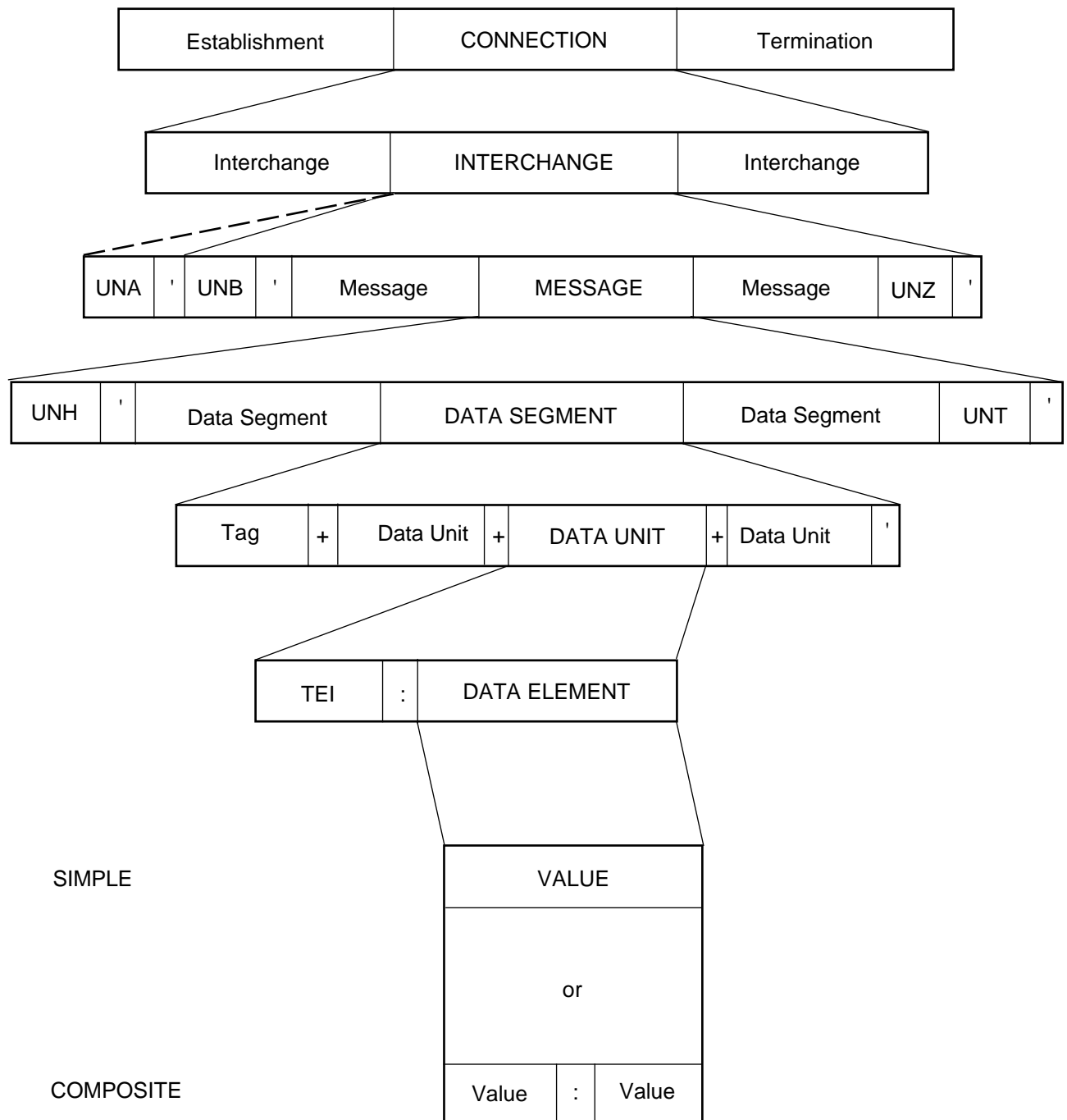


FIGURE 4 - HIERARCHICAL STRUCTURE OF AN INTERCHANGE

### **4.3 TECHNICAL DESCRIPTION OF SEGMENTS.**

To understand fully the content of the message, the branching diagram, described in Section A2-2, must be accompanied by a technical description of the message, including its significant service segments. The technical description will list the features of the segment and all the data elements used within it; the description will be separated segment-by-segment. Each segment in the branching diagram is to be depicted as shown in Figure 5 below.

---

Segment Code: XXX

Function:

Ref.	Repr.	Ess.	Name	Max. Use	Remarks
------	-------	------	------	----------	---------

---

**FIGURE 5 - TECHNICAL DESCRIPTION OF A SEGMENT**

The fields to be completed are described as follows.

#### **4.3.1 Segment Code**

The 3 alpha segment code identifying the segment. The first segment will always be 'UNH' (Message Header) and the last will always be 'UNT' (Message Trailer); the UNT segment will not need to be explained further, as it is technically described in Annex E.

#### **4.3.2 Function of the Segment**

This describes the meaning and purpose of the segment. The description must be applicable to all uses to which the segment is put.

#### **4.3.3 Data Elements Contained within the Segment**

This information gives all the data which is relevant to the whole segment. The sequence in which each data unit is listed is not important. However, it may be better to place mandatory elements at the head.

The information contained within the list is explained as follows:

##### **4.3.3.1 Reference (REF)**

The TEI or numeric tag identifying the simple or composite data element is shown in upper cases, the TEI of the component data element is shown in lower cases. (Component data elements are not identified by their TEI within the transmitted segment).

#### *4.3.3.2 Representation (REPR)*

The type of characters and the length of the data element are as described on the Data Element sheet contained in Section A1-3 of the Data Dictionary.

#### *4.3.3.3 Essentiality (ESS)*

Describes the essentiality of the data unit to the segment. It is indicated by one character:

M - Mandatory. Whenever the segment is provided in the message, this data unit must always be present.

C - Conditional. The data unit:

- must be provided,
- must not be provided,
- may be provided,

if the condition is met. The circumstances in which the above alternatives apply are detailed in the appropriate message descriptions.

O - Optional. The data unit can be present but does not depend upon another. It could be present under the conditions required by the application, or it may be omitted.

Essentiality codes C or O must have their conditions explained fully in the REMARKS.

#### *4.3.3.4 Data Element Name (NAME)*

The name of the data element as described on the Data Element sheet of the Data Dictionary. The name is printed in Upper Case letters for simple and composite data elements; component data elements are printed in Lower Case letters.

#### *4.3.3.5 Maximum Use (MAX USE)*

The maximum number of occurrences the data element can appear within the segment if it is allowed to repeat.

#### *4.3.3.6 Remarks*

Describes the conditions of essentiality and logical relationships as necessary to assist in subsequent processing; the conditions must be expressed in computer processable terms. May also contain general information relating to usage of the data element, such as the identification of key data.

### 4.4 Data Updating

User data which is contained within messages may be required to update previously transmitted data resident in the data base of the recipient.

All user data units can be divided into the following components for updating purposes:

- Key Data Unit.      Key data comprise data units which specify a defined segment in the updating process.
- Change Code.      The Change Code is a unique qualifier within a segment which indicates the action required of the update.
- Attributes.      Attributes are composed of data units or elements which qualify the subject or key of the segment.

Key data units will be identified from those mandatory data units which are specified as such in the REMARKS column of the technical description of each segment (see paragraph 4.3.3.6).

#### 4.4.1 File and Segment Updating

In the case of updates to complete files or to information contained in a previously transmitted segment, the relevant Change Code is used in the message in the following way:

##### Change Code

- N (New)      - New Segment - The information contained in the segment has not been presented previously, or has previously been deleted. In the case of a segment split all the information required in the new segment must be transmitted regardless of it already existing within the "parent" segment.
- D (Deletion)      - Segment Deletion - The information contained in this segment has been presented before and requires deletion.
- R (Revised)      - Segment Revision - The information contained in this segment has been presented before and has not been deleted. (The message will contain the Change Code, key data unit, and all the data elements which need to be added, changed or deleted).
- U(Unchanged) - Indicates that the information contained in this segment remains unchanged. Only the Key Data Units and the Command Code (if applicable) of the segment need to be transmitted. If further information is transmitted it may be treated as optional.

**N.B.** When using the preceding Change Codes for file, segment or data element updating within "multi-level" applications such as Order Administration, the originator of the update must ensure that notice is taken of the data default rule (Chapter 3, Section 3.2, page 6, paragraph 2.6) and the effect the application of the rule within the recipients system could have on the intended update.

It is recommended that the use of change codes other than "U" at the higher levels be avoided unless a "global" update of the lower level segments is genuinely required. It is stressed that the use of change code "U" within an update message serves only to indicate that the information contained in the segment remains unchanged **during the update process**; it will have no influence on the results of any subsequent data default rule processing.

#### 4.4.2 Data Element Updating

New or revised data against previously transmitted data will be indicated by the existence of the corresponding data units in the message.

In the case of a deletion of a non-key data element, the TEI must be present in the message with its data value if it is preceded in the segment by a Change Code of 'D'. In this instance, the data unit TEI IDENTITY IDENTIFIER (TEI) is to be used. The original Data Unit will form the Data Element Value. However, if the original Data Element Value is not present, the resulting action will achieve a global deletion of all the data element detail. If a particular value in a repeating sequence is required to be deleted without affecting the remainder, then the original value to be deleted must be transmitted as a normal Data Unit preceded by the TEI IDENTITY IDENTIFIER.

In the case of amendments or complete revisions, all the component data elements of a composite data element must be transmitted. The key data units, of course, are required in the message in order to allow access to previously transmitted segment data.

In the case of amendment to a repeating data element, all the associated repeating data units must be transmitted.

Key data elements can be amended only by transmitting a change code "D" to delete a segment and its dependants, followed by a new segment with a change code of "N" to create a new segment and its dependants.

It must be noted that the TEI IDENTITY IDENTIFIER (TEI) and the CHANGE CODE (CHG) are special syntax elements peculiar to SPEC 2000M.

They must be used in all messages if required, but do not necessarily appear in all message description sheets in Chapters 1, 2, 3, and 5. In Chapter 4, their use is allowed only if specified.



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### 4.4.3 Essentiality

Messages will be structured in the same format for the transfer of both initial data and updates.

In the case of updating, only the segments and data elements defining the update are transmitted. The 'essentiality' indicated in the message specification must be considered against the updated information, and not against the received update message.

### 4.4.4 Examples

CHG:N+KDUs(+ ADDITIONAL DATA UNITS)	Create new segment defined by the KDUs
CHG:U+KDUs(level 0)+CHG:D+KDUs(level 1)	Delete Level 1 Segment defined by the KDUs and its Dependants
CHG:D+KDUs+TEI:REM:VALUE:(VALUE...)	Delete the REMARKS defined by the values in this segment
CHG:R:+KDUs+REM:Revised Remarks	Change Remarks in this Segment
CHG:R+KDUs+REM:OLD REM1:NEW REM:OLD REM3	Change second component data element in a composite data element
CHG:R+KDUs+REM:OLD REM1+REM:NEW REM+REM:OLD REM3	Change REM2 in a sequence of the repeating Data Units

The only permitted alternative to the above usage is as follows:

CHG:R+KDUs+REM:	delete the remarks in the segment
-----------------	-----------------------------------

## 4.5 Interchange Acknowledgement, Error Notification and Rejection

The rules for acknowledging any interchange, and for notifying errors detected following the transmission of user data, are contained in Annex F. The checks to be undertaken on receipt of the interchange are given in Section A2-2, paragraph 4.2.

Communications software handling the transmission also originates and transmits acknowledgement and rejection messages; however, these occur at a different level and are not addressed by this Specification. Nevertheless, it is possible for the same information to be carried twice.

## 5. MESSAGE TRANSMISSION

Within an interchange, the formatting of messages and the subsequent transmission, can be assisted by several methods. These comprise:

- Compression of data.
- Repetition of Segments or Data Units.
- Nesting of Segments.
- Formatting of the transmission.

### 5.1 Compressing

In simple or component data elements for which a variable length has been specified in the Data Dictionary (Appendix 1), and where there are no other restrictions, only significant characters will be transmitted except where explicit indication to the contrary appears in the data dictionary. In the case of insignificant characters, leading zeros and trailing spaces are suppressed.

Note, however, that a single zero before a decimal mark is significant (see paragraph 3.3.1) and that a zero may be significant (eg. to indicate a temperature) if so stated on the Data Element Sheet in the Data Dictionary (Appendix 1).

When compressing messages, the rules contained in the succeeding four paragraphs must be applied. Examples below show delimiters (separators) from Level A character set (see Annex B).

#### 5.1.1 Exclusion of a Segment

Conditional segments which do not contain data will be omitted from the interchange (including their segment tags).

#### 5.1.2 Exclusion of a Data Element by Omission

Data elements are identified by their TEI within the data unit. Optional data elements which have no value in a specific message will be omitted, including their TEI.

#### 5.1.3 Exclusion of a Component Data Element by Omission

Component data elements are identified by their given sequential positions within the composite data elements. If a conditional component data element (CDE) is omitted, its given position must be represented by its component data element separator (:). For example:

TEI:CDE:CDE:CDE::CDE+...' (4th and 5th component data elements are omitted).

### 5.1.4 Exclusion of a Component Data Element by Truncation

One or more conditional component data elements at the end of a composite data element can be excluded by truncation, either by the use of the data unit separator (+), or, if at the end of a segment, by the segment terminator (').

Example:

TEI:CDE:CDE' (From the example in para 5.1.3, the first two component data elements have been transmitted; the last four have been truncated by the segment terminator (')).

## 5.2 REPETITION

In order to save characters in transmission, all data units at any level and segments residing at Level 1 or below can be repeated to allow different values to be included in the message. The methods of achieving this are as follows:

### 5.2.1 Repetition of Segments within a Message

Within a given message type the indication of repetition will be implicitly understood from the sequence of the segments as stated in the message branching diagram.

All segments at Level 0 must not be repeated. In the case of level 1 and down, in their respective hierarchical positions, each segment may be repeated the number of times stated in the relevant message branching diagram. (See paragraph 3.1.5 in Section A2-2.) The segments within a message must appear in the order stated in the Message Specification form. As a result, it will be implicitly understood which segments are repeated, by identifying their ordinal positions.

### 5.2.2 Repetition of Data Units within Segments

A Data Unit (TEI and its associated value) can repeat in a segment within the constraints of MAX USE (paragraph 4.3.3.5); such repeating Data Units must appear consecutively.

These can be repeated the number of times stated in the relevant Message Specification form (see paragraph 4.3), but should be kept to a reasonable minimum. Repetition of large numbers of elements within a segment should be achieved by repeating the segment.

### **5.3 Nesting of Segments within a Message**

A segment may depend upon another segment on a higher hierarchical level in the message structure and consequently be nested in that segment. Similar to the rules concerning repetition, within a given message type only implicit nesting techniques are used; this will be shown from the sequential position of the segments as stated in the relevant message branching diagram. Paragraph 3.1.5 of Section A2-2 describes how nesting is recorded.

The segment tag is composed only of the segment code. The hierarchical relationship is defined by the position of segments within the message, and any logical relationship necessary is defined in the semantics of the message.

Service segments and all other segments at Level 0 cannot contain nesting segments.

### **5.4 Message Transmission Format**

The completed messages, including their service segments, will be transmitted in a string format. The various levels and segments will be identified by their segment codes and position within the message.

Messages will be transmitted in segment order according to the principles contained in the message branching diagrams. Data elements within segments can be transmitted in a free sequence. Subsequent processing of the segments will also be undertaken in the same order as they were transmitted.

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## SECTION A2-4

### COMMUNICATION METHODS

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## SECTION A2-4

## COMMUNICATION METHODS

## 1. INTRODUCTION

User data and information may be transferred between different systems by a variety of methods. The methods most suitable for each application will depend on the required speed of transfer, the amount of data to be transferred and the available data transfer facilities. In general, interchanges will be by electronic, magnetic or optical media. However, information can also be exchanged by other means as well.

## 2. METHODS

To achieve data communication and exchange between partners in a collaborative project, it will be necessary to establish the rules of interconnection; these will define the technical conditions for each type of communication. The following data transfer methods are defined in this Appendix:

- **Magnetic Tape.** Useful for transferring small and large files. The speed of transfer is limited.
- **Diskette.** Convenient for transferring small and medium file. The speed of transfer is limited.
- **Optical Disk.** Convenient for transferring medium and large files. The speed of transfer is limited.
- **Telex and Teletex.** Useful for transferring small files urgently. Although the data is usually received manually, it can be received directly by a computer system. Teletex is faster than telex transmission. Telex may also be used for Interactive Messages. Both these methods are less accurate than other methods of data transfer.
- **File Transfer.** This is the direct transfer of data between two computers simultaneously connected to the public packet switched data network/public switched telephone network or a private network. It is useful for transferring swiftly small and medium amounts of data, but expensive for large amounts. It requires a good degree of cooperation and synchronisation between the two computers.
- **Electronic Mail.** This is a convenient way of transferring messages between computers using the public electronic mail service. The source and destination computers do not have to be on-line at the same time. The speed of transfer is measured in minutes and hours.
- **Commercial EDI Service.** Similar to Electronic Mail but using a commercial Value Added Network. One connection will send/receive messages to/from several destinations. The speed of transfer is measured in minutes/hours.



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- **Interactive Messages.** This is the direct transfer of individual messages between two computers simultaneously connected to a network. A reply to the message is usually expected within seconds.

The relationship between the User's message, the formatting method, data transport and communication methods is given in Figure 1.

ISO  
Layer

INFORMATION DEFINITION	The Initial Provisioning and Procurement Information to be exchanged is defined by the user application. Data element definitions and record layouts are suggested by the users and are verified in the maintenance of the Specification.											
DATA FORMATTING METHOD	The method of formatting data can be understood and verified on receipt regardless of type of software and hardware. The same formatting method is used regardless of the data transport method and volume of data.											
DATA TRANSPORT METHOD	Magnetic Tape	Floppy Disk	Optical Disk	Telex	Teletex	File Trans- fer	Electron- ic Mail	Commer- cial EDI Service	Computer to Terminal Connction	Computer to Computer	Distributed Data Processing	
BASIC COMMUNI- CATIONS METHOD	Postal Service or Courier			Telex	Teletex	Telecommunications Network						

FIGURE 1 - SPEC 2000M, DATA COMMUNICATIONS MODEL

### **3. DATA INTERCHANGE CONDITIONS**

#### **3.1 Data Interchange Across National Boundaries**

In European countries, the supply of public telecommunications services is restricted by law. These services may be supplied only by the National Post Telegraph and Telecommunications (PTTs) authority, and - in some countries - by other licensed Companies.

European telecommunications are organized on a national basis. Data services across national boundaries may be inferior to those within the countries due, partly, to the technical, commercial and legal difficulties of interlinking different national systems. National legal and commercial differences result in some services being available in one country but not in another, or the relative pricing of services may be different making it economical to use a service in one country but not another. The EEC is pressing national governments to unify and liberalize the national laws and regulations. The PTTs are investing heavily in improved and harmonized services.

The following international data services are available:

- International leased lines and networks. This is an expensive solution suitable only when large amounts of data are exchanged regularly.
- International commercial data services operated by GEISCO, IBM and others. In some countries, these services are operated under licence; in other countries the legal position is less certain.

#### **3.2 Data Interchange Standards**

Information can only be interchanged in digital form when the sending and receiving computers use common standards for data representation and communication. It is necessary to avoid costly proliferation of standards.

The first comprehensive set of networking standards was developed by IBM in the form of System Network Architecture (SNA). SNA works well but has a centralized approach to computing, and is orientated towards IBM products. DEC and other computer manufacturers also have networking standards. There are some products for interconnecting the different networks but none is really flexible enough. SNA is widely used in the Aerospace Industry with several company and project networks in operation.

Data communications users looking for more flexible approach are working on international standards for Open System Interconnection (OSI), and this is the position for Specification 2000M. The work is reaching fruition; computer manufacturers are developing the products, and the first of these are now (in 1988) on the market. National administrations have specified OSI for new data communication systems. OSI is potentially more flexible than SNA, but the range of products and services are currently restricted.

### **3.3 Labelling**

The purpose of labelling data interchange is to:

- Identify the destination of the interchange.
- Identify the source of the interchange.
- Identify the type of interchange.
- Give control information which will ensure that the interchange has been received fully, accurately and within sequence.

Different labelling requirements and restrictions are imposed by different transmission media, but where possible within these restrictions, all Specification 2000M interchanges will be labelled with common information.

In the case of electronic interchanges, the labelling is provided by the service segments (see Section A2-3). For physical media such as magnetic tape, the labelling information will be recorded both physically (by a label fastened to the tape reel) and magnetically (within the tape).

The following information is required:

- a. Interchange recipient identification (ie. name and address as required by the transmission media).
- b. Interchange recipient code (if available).
- c. Interchange sender identification (ie. sender's name).
- d. Interchange sender code (if available).
- e. Type of interchange ie. Specification 2000M messages.
- f. Project identity (eg. TOR, EFA, PAH2)
- g. Transmission Media ie. Magnetic tape, IPSS, E Mail.
- h. Status of the interchange ie. Trial, Official, Duplicate.
- i. Date of transmission (on-line); Creation date (off-line).
- j. Interchange Sequence Number. A serial number will need to be maintained for each combination of Source/Destination.
- k. Set Identification. When an interchange is made in more than one part/volume. Eg. Volume sequence number, Number of part or volume, Total number of volumes.

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- l. Record Count. A count of the number of records in the interchange.
- m. Type of Transmission. Eg. Initial Load, Update or message transmission.
- n. Security classification.

### **4. PREPARING THE DATA FOR INTERCHANGE**

The data to be interchanged must be prepared such that it can be understood and verified on receipt. The data is prepared to an agreed standard which is independent of computer hardware and software; this takes care of the problem of conversion between different data standards used by the sender and recipient. The preparation involves adding control characters to define field, record and file boundaries, etc. and eliminating redundant spaces and zeros.

Data preparation is the same for all methods of data interchange although there are some additional rules applicable to data sent by Telex. The method of preparation is described in Section A2-3 of this Appendix.

Control information must be added to each transmission to define the delivery address, to identify the data being delivered, and to control the process of data transmission. This will depend on the transmission method and is defined separately for each method of transmission.

### **5. MAGNETIC TAPE**

#### **5.1 Definition**

Information contained on magnetic tape may be exchanged by physical transfer, subject to any rules concerning security (see Section A2-5).

#### **5.2 Media Specification**

All magnetic tapes which are to be used with the Specification 2000M are required to meet the following specification. Any tape which has been submitted but does not conform to the prescribed tape specifications and exact external labelling, will be returned unprocessed.

MODE: 9 Track 1600 or 6250 BPI.

ENCODING: EBCDIC (Extended Binary Coded Decimal Interchange Code) or ASCII (American Standard Code for Information Interchange), as decided in the Interchange Agreement.

RECORD LENGTH: Variable.

BLOCKING SIZE: 4096 bytes/block maximum.

HEADER LABELS: Although no preferred Header Label is specified, it should be possible to process a tape bearing a standard IBM Header Label.

**TAPE MARKS:** Tape marks are not acceptable preceding data between records or blocks. An 'end of data' tape mark is acceptable.

**RECORD LAYOUT:** As defined in ISO Standard 1001.

### **5.3 Internal Labelling**

Where used, the volume label is to include the originator's identity as given in the NATO Supply Code for Manufacturer's Cataloging Handbook H4 Series. The Header label is to include a 10 character file identifier of which the first five characters are to be "AEC2M", followed by a number generated by the originator from a unique series.

### **5.4 External Labelling**

The following information must be given either in a covering letter or on a tape label:

DESTINATION NAME AND ADDRESS OF THE RECIPIENT.

INTERCHANGE RECIPIENT CODE (if available).

INTERCHANGE SENDER IDENTIFICATION (Name, Company or Agency).

INTERCHANGE SENDER CODE (Company or Agency code).

TYPE OF INTERCHANGE: Specification 2000M.

PROJECT IDENTITY.

TRANSMISSION MEDIUM.

STATUS OF INTERCHANGE.

TAPE CREATION DATE: YYMMDD.

INTERCHANGE SEQUENCE NUMBER.

VOLUME SEQUENCE NUMBER.

TOTAL NUMBER OF VOLUMES.

HEADER LABEL: Whether the tape contains a Header Label.

DENSITY: Indicated 1600 or 6250 bpi.

ENCODING: EBCDIC or ASCII.

TOTAL NUMBER OF (DATA) RECORDS ON TAPE:

TYPE OF SUBMISSION: Initial Load or Update.

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SECURITY CLASSIFICATION: The NATO Security Classification according to the data content.

The following is an example of a correct external label:

PANAVIA Aircraft GmbH  
PAN ADP  
Postfach 860629  
D-8000 München 86  
Recipient Code: C0890

Messerschmitt-Bölkow-Blohm GmbH  
Unternehmensbereich Flugzeuge  
FB24  
Postfach 801160  
D-8000 München 86  
Sender Code: D1081

Tape Creation Date: 880131

Type of Interchange: Spec. 2000M Data

Project Identity: TOR

Transmission Medium: Mag Tape

Status of Interchange: Trial

Interchange Sequence No.: D1081C08901140

Volume Sequence No.: 01

Total No. of Volumes: 01

Header Label: No

Density: 1600 bpi

Encoding: EBCDIC

Records: 1036

Submission: Update

Security Classification: NATO RESTRICTED

## **6. DISKETTE**

### **6.1 Definition**

A diskette (or Floppy disk) can be used to transfer information magnetically between computers.

### **6.2 Media Specification**

OPERATING SYSTEM/VERSION No.: MS-DOS, PC-DOS, OS/2 or compatibles

SIZE: 8 inches, 5.25 inches or 3.5 inches

MODE: Double sided (DS)  
Double Density (DD)  
High Density (HD)  
(Tracks per inch): 135 TPI, 96 TPI or 48 TPI

### **6.3 Internal Labelling**

Volume Name : 10 Characters (See paragraph 5.3)

Creation date: 6 Characters YYMMDD

### **6.4 External Labelling**

INTERCHANGE RECIPIENT (POSTAL ADDRESS):

INTERCHANGE RECIPIENT CODE:

INTERCHANGE SENDER IDENTIFICATION:

INTERCHANGE SENDER CODE:

DISK CREATION DATE: YYMMDD

TYPE OF INTERCHANGE:

PROJECT IDENTITY:

TRANSMISSION MEDIUM:

STATUS OF INTERCHANGE:

INTERCHANGE SEQUENCE NUMBER:

VOLUME SEQUENCE NUMBER:

TOTAL NUMBER OF VOLUMES:



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OPERATING SYSTEM/VERSION No.: (As agreed between the data exchange partners).

DIRECTORY INFORMATION: Catchwords concerning the content of the diskette (each diskette contains its own directory which shows the complete content).

TYPE OF SUBMISSION: Initial Load or Update.

SECURITY CLASSIFICATION: NATO Security classification according to the content.

Example of a correct External Label:

EUROFIGHTER Jagdflugzeug GmbH  
P.S. Material Support  
Postfach 860366  
D-8000 München 86

Recipient Code: 077C7

Messerschmitt-Bolkow-Blohm GmbH  
Unternehmensbereich Flugzeug  
FB221  
Postfach 801160  
D-8000 München 86

Supplier Code: C0419

Creation date: 880131

Spec. 2000M

Project: EFA

Transmission Medium: Floppy Disk

Status: Trial

Interchange Sequence No: D1081077C70021

Volume Sequence No: 01

Total No. of Volumes: 01

Directory Information: EFA-IP Project No. C04191432  
C04192743

Operating System: PC-DOS/Version 3.2

Submission: Update

Security Classification: NATO RESTRICTED

## **7. OPTICAL DISK**

### **7.1 Definition**

An optical disk can contain a larger volume of data than any other media. The disk may substitute existing non-refreshable media such as Microform.

### **7.2 Media Specifications**

There are 2 optical disk formats which are recommended for use with this Specification: TMO and WORM.

#### **7.2.1 Refreshable Disks (TMO)**

OPERATING SYSTEM/VERSION No.: MS-DOS, PC-DOS, OS-2 and others

SIZE: 5.25 Inches	Capacity 650 mB (Double sided).
3.5 Inches	Capacity 280 mB (max).

TECHNOLOGY: TMO (Thermo Magneto Optical)

MODE: 16,000 TPI

#### **7.2.2 File Specification**

The specification for files on optical TMO media is that described in Section A2-3

#### **7.2.3 Non-Refreshable Disks (WORM)**

OPERATING SYSTEM/VERSION No.: MS-DOS, PC-DOS, OS/2 and others

SIZE: 5.25 Inches (ISO 9171)	Capacity up to 400 mB per side.
------------------------------	---------------------------------

8 Inches	Capacity 500 mB to 800mB.
----------	---------------------------

12 Inches	Capacity 1 gB to 3.2 gB.
-----------	--------------------------

14 Inches	Capacity 3 gB to 4 gB.
-----------	------------------------

TECHNOLOGY: WORM (Write Once Read Multiple)

MODE: (To be detailed).

#### **7.2.4 File Specification**

The specification for files using the WORM optical disk media is that described in Section A2-3.

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### **7.3 External Labelling**

The external labelling requirements for Optical Disks are identical to those described in paragraph 6.4.

## **8. TELEX, AND TELETEX**

### **8.1 Telex Transmission**

#### **8.1.1 Description**

Telex transmission is applicable only to those Specification 2000M messages which do not concern amendments or alterations, and which are relatively short. For example: Order placement, invoicing, etc. The main objective will be to allow transmission by telex to be undertaken either as a direct result of computer processing or by manual intervention.

The detail to be transmitted will be the full format of the message (including TEIs) so that the message can be easily understood by the recipient and, if necessary, directly transcribed for input to a computer system without further coding being needed.

In order to do this, the 'carriage return' (CR) character will have to be inserted:

- at the end of each complete segment.
- after each segment code.

If the line exceeds 40 characters, it will be necessary to insert a CR character after one of the following preferential delimiters:

(+)Data unit separator.

(:) Component data element separator.

It will also be necessary to eliminate the release character (?) so that it is only used as a Question Mark - see paragraph 3.1 of Section A2-3.

Separators (delimiters) will be signified by a blank space in the Telex output.

#### **8.1.2 Advantages**

Telex is useful for transmitting small files of information urgently. Whilst the information will usually be received and actioned manually, it can be received directly by a computer system; however, in this latter instance errors occurring during transmission will result in the input being rejected.

### 8.1.3 Limitations

A serious limitation of the Telex service is that only 48 of the 56 characters of the Level A character set (see Annex B) can be used. The following characters are not available to the internationally agreed character set:

!	Exclamation Mark	<	Less-than sign
%	Percent	&	Ampersand
*	Asterisk	>	Greater-than sign
"	Quotation Marks	;	Semicolon

### 8.1.4 Variations

Within the Specification 2000M message procedures, there may be occasions when Telex characters which are not already agreed internationally, are required to be used. There are 3 Telex characters which have no internationally agreed value; these are £ Pound Sterling, @ Commercial A and % Percent. These can be used in messages; if the other characters are required, then their English description must be spelled out in full.

### 8.1.5 Considerations

Telex messages may be processed in three ways; the exact method of processing should be agreed by the interchange partners. These are:

- They may be stored in a file (manually or by computer) and processed as though they have been received via file transfer.
- They may be processed as interactive messages; this requires that the computer is directly connected to the telex system at each end, and automatically process the messages received.
- They may be manually prepared and actioned, using the telex facility only as a bearer system.

However, for the Specification 2000M, it is not recommended that Telex systems and networks should generate inputs to a computer system because of the high error rates which will occur.

## 8.2 TELETEX Transmission

### 8.2.1 Description

Teletex is an international telecommunications service whose technical characteristics and conditions are similar to telex; however, it does have some significant advantages.

The basic service allows that messages typewritten onto A4 paper can be exchanged directly, page-by-page, between the connected printer terminals. The teletex printer terminal can produce copies from a variety of sources: from the data processing

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(ie computer) system or electronic memory typewriter. The transmitted document output is identical to the basic document.

Teletex uses CCITT F.200 standards which allows the National Telecommunication services to transmit via one of the following:

- Circuit-switched data networks.
- Packet-switched data networks (X.25).
- The telephone network.

### **8.2.2 Advantages**

Like Telex, the Teletex service can be used for the transmission of smaller data volumes which are document (page) orientated.

Whilst there are differences with the Telex service, the Teletex services has a comprehensive character set, which allows the transmission of both the Level A and Level B Character sets depicted in Annex B. Moreover the transmission rate is some 20 to 30 times faster than Telex, and it can handle a variety of paper formats.

### **8.2.3 Limitations**

Teletex is mainly intended for the transmission of (typewritten) texts on A4 or A4L pages (text communication). As a page-orientated system, information concerning the numbers of characters per line or numbers of lines per page defines the positioning detail within the printable areas contained in the message to be transmitted.

Teletex requires the immediate and automatic storage (buffering) of the message at the receiving teletex terminal in order to safeguard the message in the event of power failure, and to bridge the gap between the high speed of transmission and the slow speed of printing.

It is important that sufficient memory is available to guarantee uninterrupted local operation, and to prevent message rejection because the buffer is full.

## **9. FILE TRANSFER**

### **9.1 Definition**

For the purposes of Specification 2000M, the File Transfer Service refers to the transfer of data in three ways:

- a. Transfer between two computers connected via X.25 interfaces to the National (and hence to the international) public or private packet switched data network.

- b. Between two computers connected via modems to the national (and hence the international) public switched telephone network.
- c. By using the RJE (Remote Job Entry) as FTAM (File Transfer and Access Method) facility to transfer messages. This is the submission of data collected in a batch process to be transmitted to a computer via a remote input unit (eg. Card Reader or Magnetic Tape Unit) through a data link or dial-up or dedicated lines.

For serving an RJE data link, the following common technical conditions are preferred:

- (1) IBM-Orientated Environment
  - IBM BSC 2780 protocol
  - IBM BSC 3780 protocol
- (2) Non IBM-Orientated Environment
  - Emulations of the protocols in (1)

However, where other methods (eg. dedicated lines) are used, the detail will have to be the subject of agreement between the interchange partners.

## **9.2 Media Specification**

The following ways that file transfers can be achieved, are:

- a. Use the public/private packet switched network via an interface conforming to the CCITT specification X.25.
- b. Use the public telephone network via a modem conforming to CCITT specification V.22bis and operating at 2400 bits per second.
- c. Other methods which are agreed by the interchange partners.

## **9.3 File Specification**

The file specification necessary for transfers using IPSS (to meet the conditions of ISO Standard 8571) is contained in Section A2-3. The technical conditions (ie. protocols) necessary to enable file transfers between two different computer systems to take place must be considered between the partners wishing to intercommunicate electronically. There are a number of file transfer software products available on the commercial market such as: FTP, BDT, CDNDT (all IBM), NTP and others.

## **9.4 Labelling**

The labelling requirements are those referred to in paragraph 3.3.

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### **9.5 Advantages**

The File Transfer service is useful for transferring small and medium sized file of information very quickly. Moreover, transmission via the public switched telephone network is very flexible since most computer installations will have access to a telephone. This is particularly useful for infrequent data exchanges.

### **9.6 Limitations**

The practical transmission rate (in mid-1987) is currently limited to 200 characters per second on the international packet switched data network, and to 120 characters per second on the public switched telephone network, although in most instances the public packet switched data network can achieve higher transmission rates within national boundaries. Except in an emergency, these slow transmission rates make the transfer of large files slow and prohibitively expensive and is unlikely to be suitable for messages containing a large quantity of data. Finally, a good deal of cooperation is required between computers sending and receiving the data.

## **10. ELECTRONIC MAIL**

### **10.1 Definition**

For the purposes of Specification 2000M, electronic mail (or E-MAIL) is the transfer of unstructured messages between computers using public message handling services (MHS) compatible with CCITT X.400 standards.

### **10.2 Media Specification**

The specification of the X.400 standard is also compatible with OSI. X.400 is designed to be used with International Packet Switched Systems (IPSS), which use the X.25/X.75 protocols.

### **10.3 File Specification**

The specification of the file is that described in Section A2-3.

### **10.4 Labelling**

The labelling requirements will be those required by the chosen mailbox service/value added network.

### **10.5 Advantages**

The two computers interchanging data and information do not need to synchronize their activities. The sender can transmit the data to the message store at a time of day to suit himself; the receiver can access the message store at a later convenient time to recover the data. This makes electronic mail suitable for regular data exchanges. Electronic Mail is based entirely on public services and OSI standards.

## **10.6 Limitations**

Electronic mail requires a separate transmission be made to each destination. Currently, there are restrictions on transmission rates on international public data services, but these will gradually be removed as services become more widespread.

## **10.7 Considerations**

CCITT X.400 is a specification for an open messaging system compatible with OSI. National implementations are now becoming available. ISO have developed a specification for an open messaging system called MOTIS (Message Orientated Text Interchange System). The references are included in Annex D.

# **11. COMMERCIAL EDI SERVICE**

## **11.1 Definition**

The Commercial EDI service is similar to electronic mail, but is a service tailored specifically towards Electronic Data Interchange. It is offered on commercial Value Added Networks. Essentially the EDI service offers transfer at the corporate, rather than the individual level.

## **11.2 Media Specification**

The media will depend upon the chosen Mailbox Service/Value Added Network. The user interface is likely to be similar to that specified in para 9.2 (a and b) above, with the additional option of using proprietary communication standards.

## **11.3 File Specification**

The specification for files is that described in Section A2-3.

## **11.4 Labelling**

The labelling requirements will have to be those required by the chosen Mailbox Service/Value Added Data Service.

## **11.5 Advantages**

- The computers do not have to be on-line at the same time.
- Messages to different destinations may be sent in one transmission.
- Possible slow transmission rates on international public data networks are avoided.



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### **11.6 Limitations**

Commercial EDI services are more expensive than file transfer services, although not necessarily more expensive for large files to international destinations.

### **11.7 Considerations**

These services are usually directed from a single central computer. Internationally-based commercial EDI Services are operated by GEISCO, IBM and others.

## **12. INTERACTIVE MESSAGING (VIRTUAL TERMINAL)**

### **12.1 Definition**

For the purposes of this Specification, interactive messaging is a telecommunications service which transfers individual messages very quickly between computers. Usually the message is processed immediately on receipt and a reply is returned within seconds. However, a pre-requisite is that the computer is directly connected to the communications network and has the ability to process the message received.

### **12.2 Media Specification**

This will depend upon the chosen messaging service.

### **12.3 File Specification**

The specification for files is that described in Section A2-3.

### **12.4 Labelling**

As required by the chosen messaging service.

### **12.5 Advantages**

Interactive messaging system enables a very swift question and answer session to be maintained. It is particularly useful for urgent order processing, stock enquiries and progress enquiries.

### **12.6 Limitations**

An interactive messaging system is usually a fairly expensive form of data communications system. Moreover, the software to process messages interactively is usually expensive in resources and therefore costly.

## **12.7 Computer to Terminal Connections**

Dialogue is a special kind of conversation between one or more users (terminals) and a host computer on which each user message/transaction is processed and answered immediately. The possibility of dialogue between user and host will depend upon the use of a common protocol. Within international systems, the IBM 3270 protocol is the most widely available for this task. In order to connect through an international communication network, an X.25 gateway will be needed.

## **13. INTERCONNECTING DIFFERENT COMPUTER INSTALLATIONS (COMPUTER-TO-COMPUTER)**

Iterative messages can be transmitted between different computer systems which are interconnected. This means that a user terminal or application program on Host A can communicate with an application program which runs on Host B, and vice-versa.

Order Administration processes are likely to require a faster direct access to data and applications which lie on different computer systems. However, international standards for File Transfer have not yet (in 1989) reached the point to allow interconnection of different computer systems, on an 'open-system' basis, to take place.

As always, the establishment of any computer-to-computer connection will need to be fully agreed by the communicating partners.

## **14. DISTRIBUTED DATA PROCESSING**

### **14.1 Distributed On-Line Processing**

Distributed on-line processing is transaction orientated dialogue which permits user terminals to execute transactions simultaneously on different computer hosts. The user data is stored on distributed data files (= distributed database) at different locations. In order to run a system with distributed on-line processing capabilities, the technical environment must be compatible on all sides of the network and database software.

### **14.2 Distributed Batch Access**

Distributed Batch access is batch processing over the interconnected network comprising different computer nodes. The facility allows a batch job to be started on one computer and the software will process data on the distributed files/databases at the different locations.

The technical environment required is similar to that required for the Distributed on-line processing.

**14.3 Distributed Data Bases within the ISDN Environment**

In the event that distributed databases are interconnected to a network of different computer nodes, an ISDN system environment can be used. Because of the high transfer rates and quality of the environment, it is possible to transport different types of data via the same network link. Eg. Structured data, non-structured data (text), graphics (pixel/scanned) data and vectored (CAD) data. The technical environmental requirements are the same as described in para 14.1.

**15. OTHER NATIONAL COMMUNICATION FACILITIES**

Where it is not possible to use the facilities offered by Information Technology, and where the situation is practical, it will be possible to exchange information by such means as Facsimile Services (eg. Telefax), Public Mail Services and the Public Telephone Network. However, these methods should be used only as a last resort. The format of the transmission should follow the guidance given in this Appendix to other methods of data exchange.

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**DATA SECURITY**  
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## **SECTION A2-5**

### **DATA SECURITY**

#### **1. INTRODUCTION**

- 1.1 In any data exchange environment, there will always be a need to protect information resident on systems, and information flowing between systems. The protection will be required from both hostile intention to access, tamper with and corrupt, and from loss or corruption of the information as a result of technical problems within a system or network.
- 1.2 Computer and communication systems are attractive targets for intelligence gathering operations, especially if security measures are thought to be ineffective. They can enable large quantities of information to be obtained quickly and surreptitiously, with the intention of embarrassing an organization, or merely out of technical curiosity.

#### **2. COMPUTER SECURITY**

##### **2.1 Principles**

Computer security is concerned with the application of security principles and measures for the protection from unauthorized access, interference or destruction of information stored or handled by computer systems. Its aim is to ensure that this information receives a standard of protection equivalent to that applied to a manual system.

##### **2.2 Vulnerability**

The main vulnerability of a computer system is that information is usually stored in a compact form and may be retrieved, copied, communicated or manipulated quickly and sometimes surreptitiously.

##### **2.3 Security Standards**

The standards of security to be embodied within the scope of the systems which follow the Specification 2000M standard, are a matter for National security policies. However, where such standards are applied, they will normally be based upon the NATO agreed standards; these are:

- a. C-M(55)15(Final), Section X - Protection of NATO Classified Information Handled and Stored in ADP Systems and ADP Networks (Dated 5 August 1986).
- b. AC/35 - D/1012 - NATO Security Committee - NATO Trusted Computer Systems Evaluation Criteria (Dated 25 May 1987).

Where National Security Agencies apply different standards, separate negotiations between all the relevant Security authorities will be necessary in order to agree the required standard.

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### **3. COMMUNICATIONS SECURITY**

#### **3.1 Principles**

Communications security is concerned with the protection of sensitive information being handled by, or transmitted through, telecommunication systems or networks which are used.

#### **3.2 Security Standards**

Systems, including networks, which are communicating sensitive information require protection against unauthorized access resulting from communications vulnerabilities. All sensitive information transmitted over data links which pass outside the protected area of the ADP facility, should be afforded a specific standard of protection, and must satisfy pertinent communications security standards.

### **4. SECURITY REGULATIONS**

4.1 Each organization should have a set of security regulations, which are the set of rules and practices that specify how the organization manages, protects and distributes sensitive information. Sensitive information is information that must be protected because its unauthorized disclosure, alteration, loss or destruction will cause perceivable damage to someone or something; the term embraces both classified and privacy information.

4.2 The Security regulations for each organization should address each of the following areas:

- System/Network Description.
- Administrative Security - including Security Operating Procedures, the roles of Systems Managers, Systems/Network Security officers, and System Security Committees and users.
- Personnel Security.
- Physical Security.
- Media/Documentation Security.
- Procedural Security.
- Computer Security.
- Communications Security.

**5. APPLICABILITY**

**5.1 Transmission Restrictions**

The information contained in messages which are exchanged under the Specification 2000M procedures is regarded as Military information. There will, therefore, be a need to ensure that National legislation allows for such information to be passed on public data communication facilities, or such other transmission media that may be used.

**5.2 Interchange Classification**

In general, such data, messages and information which are exchanged under this Specification are not classified. However, if the information does become classified, then advice **MUST** be taken from the National Security Authorities.



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**APPENDIX 2 - ANNEX A**

**FREE TEXT MESSAGE**

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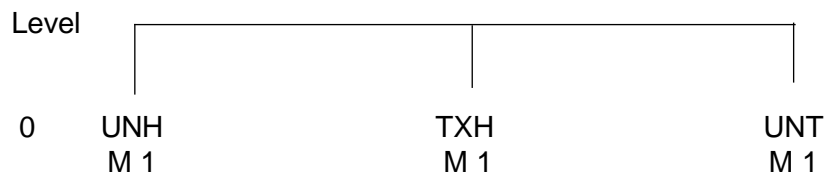
### FREE TEXT MESSAGES

#### 1. INTRODUCTION

The Specification 2000M data communications service allows free text information to be transferred between participants. This is undertaken by a special free text message (FREETX).

#### 2. MESSAGE DESIGN

##### 2.1 Branching Diagram



##### 2.2 Presentation

Message: FREETX Free Text

Function: A message between two partners to exchange information which is not machine processable. The information given must not affect the automatic processing of other messages included in the same interchange.

---

Segment Code: UNH - Message Header (STANDARD)

---

Segment Code: TXH - Free Text Header

Function: This segment contains the lines of the message giving the purpose, function and, if applicable, the related reference of the message followed by free information.

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TEI	Repr.	Ess.	Name	Max Use	Remarks
REM	an..65	M	REMARKS	25	Includes addressing detail of recipient and sender and free text in clear.

---

Segment Code: UNT - Message Trailer Segment (STANDARD).

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**DATA CHARACTER SUB-SET**  
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## SPECIFICATION 2000M

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## APPENDIX 2 - ANNEX B

### DATA CHARACTER SUB-SET

#### 1. INTRODUCTION

The following characters are the only ones that may be used with the Specification 2000M procedures and standards. They originate from ISO standards, which have been adopted by ISO 9735, and NATO Publication ACodP-1, Chapter V, sub-section 553, Table 21. The latter describes the agreement by the NATO Countries for the exchange of NATO Codification data. ISO 9735 specifies two syntax levels A and B which are identical in all respects except for the character sets used.

#### 2. SYNTAX LEVELS

For the characters in the set below, the EBCDIC track (odd parity) codes defined in ACodP-1 will be used unless the corresponding 7-bit codes in ISO 646, 8-bit codes in ISO 6937 or 8859, or other bit codes, are specifically agreed between the partners requiring to exchange data.

- Level A includes the character set specified in para 3.1 with separators and a release character represented by graphic (printable) characters.

#### 3. CHARACTER SETS

The basic ISO 646/6937/8859 coded character sets include, in addition to the respective character sets below, some bit codes which are reserved for National character use. Under the terms of ACodP-1, the Countries have agreed that where they have a requirement to use different characters (for example: the special National characters which may require to be printed), they will make the necessary special arrangements to convert their characters to those in the table below when exchanging data under these procedures.

##### 3.1 Level A Character Set

Space (blank)		Exclamation Mark	!
Full stop (period)	.	Comma	,
Opening parenthesis	(	Semi-colon	;
Ampersand	&	Less-than sign	<
Greater-than sign	>	Percentage sign	%
Asterisk	*	Equals sign	=
Closing Parenthesis	)	Quotation Mark	"
Hyphen/minus sign	-	Letters, Upper case	A to Z
Oblique Stroke/slash	/	Numerals	0 to 9



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Reserved for use as:

Apostrophe	'	Segment terminator
Plus sign	+	Segment tag and data element separator
Colon	:	Component data element separator
Question Mark	?	Release character

### 4. TELEX MESSAGES

Of the 56 characters required by Level A, 48 are present in the Telex character set and 8 are omitted. There are also 3 Telex national characters which may be used by agreement, and 5 control codes.

The 3 national characters are: # @ %.

The 5 control codes are:

Carriage Return	Line Feed
Letter Shift	Figure Shift
Who are You?	

The characters required by Level A but not available in the internationally agreed Telex character set are:

! Exclamation Mark	< Less-than sign
% Percent	> Greater-than sign
* Asterisk	& Ampersand
" Quotation Mark	; Semi-colon

Within this Specification, the rules for handling these characters are specified in para 8.1.4 of Section A2-4.

### 5. USING CHARACTERS WHICH ARE EXCLUDED FROM LEVEL A

When there is a requirement to use characters which are not contained within the Level A character set (for example: the US Dollar sign), then a recognized code (see: ISO 7372 - UN Trade Data Elements Directory or from those described in the Data Dictionary) must be used. Alternatively, the character will have to be spelled out in full.

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**MESSAGE AND SEGMENT INDEX**

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## **APPENDIX 2 - ANNEX C**

### **MESSAGE AND SEGMENT INDEX**

#### **1. INTRODUCTION**

The purpose of this index is to provide a reference to those message types and a list of those segments which are used for the exchange of Specification 2000M information. As such, it is not directly part of the Specification but is a guide to what is available.

#### **2. MESSAGE TYPES**

The message design employed within Chapters 2, 3, 4, 5 precludes the use of the message abbreviation (eg. ORDOAH-SA1) within the UNH Message Type (see Annex E) as it is not unique.

For Chapters 2, 3, 4, 5 messages the Message Type must take the form of the Command Code (COC) plus the User Header Segment Tag (eg. for an SA1 the Message Type would be SA1OAH). For Chapter 1, the abbreviation is used.

#### **3. DATA SEGMENTS**

Message types will be composed of various user data segments which are constructed together to convey information. The segments identified for use with the message types are divided into Header segments (which is the first user data segment resident at Level 0), and other user data segments which can reside at Level 0 or lower depending whether or not they contain other, nested, segments and how they relate logically to the elements contained in the Header segment. The detail of segmentation and their relationships are explained in Section A2-2. There will only be one header segment of user data in any one message.

The content of segments is recorded in the technical specification of the messages, which appear in the appropriate Chapters (or Appendix 2) of this Specification, covering the processes to which they relate. All segments are identified by a 3 alpha code, and those currently used with this Specification are listed in paragraph 6 below. When a new segment code is required, the application is to be sent to AECMA (see Chapter 0-1 paragraph 5) for allocation.

#### **4. MESSAGE HEADER SEGMENT CODES**

The segment codes listed below list all the user data message header segments (ie. the first user data segment within the message which is resident at Level 0, and which is mandatory). The message header segment description is shown followed by the messages and segment codes to which they refer.

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### Segment Code

INITIAL PROVISIONING MESSAGE HEADER  
SEGMENT (CODREQ, CSNIPD, CORIPD,  
OBSINF, PNOIPD, UIPCO, UIPCT, UIPPN)

IPH

### PROCUREMENT PLANNING MESSAGE HEADER SEGMENTS.

- SK1	PAH
- SK3	PBH
- SL1	PCH
- SM1	PDH
- SM3/SN2/SN3	PEH
- SN1	PFH
- SP1	PGH
- SP4	PHH

### ORDER ADMINISTRATION MESSAGE HEADER SEGMENTS.

- SA1/SA2	OAH
- SA3/SB3/SC3/SD3/SE3/SF3/SG3	OBH
- SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/SF1/SF2/ SG1/SG2/SH4/SJ1/SR1	OCH
- SJ4/SR4	OEH
- ST1	OFH
- SH1/SH6/SH7/SH8/SH9	OGH
- SH5	OHH

Segment Code

MUTUAL SUPPORT MESSAGE HEADER SEGMENTS.

- SU1	MAH
- SU3	MBH
- SV1	MCH
- SV3	MDH
- SS1	MEH

INVOICING MESSAGE HEADER SEGMENTS.

- SX1	IAH
- SX2	IBH
- SX3	ICH
- SW1	IDH
- SW2	IEH
- SW3	IFH
- SY1	IGH
- SY2	IHH
- SY4	ILH

CONSUMPTION DATA EXCHANGE HEADER SEGMENTS

- SZ1/SZ2/SZ3/SZ4	EAH
- SZ5	EBH

ACKNOWLEDGEMENT & ERROR NOTIFICATION  
MESSAGE HEADER SEGMENT (ERRNLT).

ACH

FREE TEXT MESSAGE HEADER SEGMENT  
(FREETX)

TXH

## **SPECIFICATION 2000M**

### **5. DATA SEGMENT CODES**

The data segment codes below refer to user data segments unless otherwise stated.

#### **5.1 Provisioning-Related Data Segments**

Segment Description	Segment Code
- Subject Variant	VAS
- Part Identity	PAS
- Sparable Item Data	PBS
- Unit of Issue Qualification	PCS
- Price Data	PDS
- Reliability and Maintainability Data	PES
- Miscellaneous Parts Data	PFS
- Physical Characteristics	PGS
- Category 1 Container	PHS
- Part Recommendations	PIS
- Replacement Part	PJS
- ICY 9 Part	PKS
- Supply Data	PMS
- Item Location	CAS
- Part Location Data (1)	CBS
- Applicability	CCS
- Part Location Data (2)	CDS
- Location Recommendations	CES
- Reference Designator	CFS
- Location Change Data	CGS
- Location Reference Data	CHS

Segment Description	Segment Code
- Cross-Reference to Integrated Logistic Support	CIS
- Model Version	CJS
- Effectivity	CKS
- Project Change Data	MAS
- Location Related Observations	OCS
- Project Related Observations	OHS
- Illustration Related Observations	OIS
- Part Related Observations	OPS

## **5.2 Procurement Planning-Related Data Segments**

Segment Description	Segment Code
- SK1/SL1/SP4 - Level 1	PSS
- SN1/SN2 - Level 1	PTS
- SM1 - Level 1	PUS
- SK1/SL1/SP4 - Level 2	PLS
- SN1 - Level 2	PVS

## **5.3 Order Administration-Related Data Segments**

Segment Description	Segment Code
- SA1/SA2/SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/ SF1/SF2/SG1/SG2/SH4/SJ1/SR1 - Level 1	OJS
- SH5 - Level 1	OKS
- ST1 - Level 1	ONS
- SA1/SA2/SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/ SF1/SF2/SG1/SG2/SH4/SH5/SJ1/SR1 - Level 2	OLS



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### **5.4 Mutual Support-Related Data Segments**

Segment Description	Segment Code
- SU1 - Level 1	MIS
- SV1 - Level 1	MJS
- SS1 - Level 1	MKS
- SU1 - Level 2	MLS
- SV1 - Level 2	MMS

### **5.5 Invoicing-Related Data Segments**

Segment Description	Segment Code
- SX3 - Level 1	ICS
- SX1 - Level 1	IJS
- SX1 - Level 2	ILS
- SW1 - Level 1	IDS
- SX3 - Level 2	IES
- SY4 - Level 2	INS
- SW3 - Level 1	IFS
- SY4 - Level 1	IMS

### **5.6 Consumption Data Exchange-Related Data Segments**

Segment Description	Segment Code
- SZ2/SZ4 - Level 1	EAS
- SZ2/SZ4 - Level 2	ECS
- SZ5 - Level 1	EBS
- SZ5 - Level 2	EDS

## **5.7 Acknowledgement & Error Notification-Related Data Segments**

Segment Description	Segment Code
Error Notification - Segment Level	ACS
Error Notification - Data Unit Level	ADS
Syntax Service Message (CONTRL)	
- Original Interchange Response	UNI
- Original Message Reference	UNM

## **6. SEGMENT INDEX**

The following alphabetical index, in Segment Code order, is intended to assist in decoding:

Segment Description	Segment Code
Acknowledgement and Error Notification Header.	ACH
Error Notification - Segment Level.	ACS
Error Notification - Data Unit Level.	ADS
Item Location.	CAS
Part Location Data. (1)	CBS
Applicability.	CCS
Part Location Data (2).	CDS
Location Recommendations.	CES
Reference Designator.	CFS
Location Change Data.	CGS
Location Reference Data.	CHS
Cross Reference to Integrated Logistic Support	CIS
Model Version	CJS
Effectivity	CKS

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Segment Description	Segment Code
SZ1/SZ2/SZ3/SZ4 Header.	EAH
SZ5 Header.	EBH
SX1 Header.	IAH
SX2 Header.	IBH
SX3 Header.	ICH
SX3 (Level 1).	ICS
SX3 (Level 2).	IES
SW1 Header.	IDH
SW1 (Level 1).	IDS
SW2 Header.	IEH
SW3 Header.	IFH
SW3 (Level 1).	IFS
SY1 Header.	IGH
SY2 Header.	IHH
SY4 Header.	ILH
SY4 (Level 1).	IMS
SY4 (Level 2).	INS
SX1 (Level 1).	IJS
SX1 (Level 2).	ILS
Initial Provisioning Message Header.	IPH
SU1 Header.	MAH
Project Change Data.	MAS
SU3 Header.	MBH
SV1 Header.	MCH

Segment Description	Segment Code
SV3 Header.	MDH
SS1 Header.	MEH
SU1 (Level 1).	MIS
SV1 (Level 1)	MJS
SV2 (Level 2)	MMS
SS1 (Level 1)	MKS
SU1 (Level 2).	MLS
SA1/SA2 Header.	OAH
SA3/SB3/SC3/SD3/SE3/SF3/SG3 Header.	OBH
SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/SF1/ SF2/SG1/SG2/SH4/SJ1/SR1 Header.	OCH
SJ4/SR4 Header.	OEH
ST1 Header.	OFH
SH1/SH6/SH7/SH8/SH9 Header.	OGH
SH 5 Header.	OHH
Location Related Observations.	OCS
Project Related Observations.	OHS
Illustrations Related Observations.	OIS
SA1/SA2/SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/ SF1/SF2/SG1/SG2/SH4/SJ1/SR1 (Level 1).	OJS
SH5 (Level 1).	OKS
SA1/SA2/SA4/SB1/SB2/SC1/SC2/SD1/SD2/SE1/SE2/ SF1/SF2/SG1/SG2/SH4/SH5/SJ1/SR1 (Level 2).	OLS
ST1 (Level 1).	ONS
PN-related Observations.	OPS

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Segment Description	Segment Code
SK1 Header.	PAH
Part Identity.	PAS
SK3 Header.	PBH
Spareable Item Data.	PBS
SL1 Header.	PCH
Unit of Issue Qualification.	PCS
SM1 Header.	PDH
Price Information.	PDS
SM3/SN2/SN3 Header.	PEH
Reliability and Maintainability.	PES
SN1 Header.	PFH
Miscellaneous Parts Data.	PFS
SP1 Header.	PGH
Physical Characteristics.	PGS
SP4 Header.	PHH
Category 1 Container.	PHS
Part Recommendations.	PIS
Replacement Part.	PJS
ICY 9 Part .	PKS
SK1/SL1/SP4 (Level 2).	PLS
Supply Data.	PMS
SK1/SL1/SP4 (Level 1).	PSS
SN1/SN2 (Level 1).	PTS
SM1 (Level 1).	PUS

Segment Description	Segment Code
SN1 (Level 2)	PVS
Free Text Header.	TXH
Standard Delimiter String Advice.	UNA*
Standard Interchange Header.	UNB*
Standard Message Header.	UNH*
Original Interchange Response.	UNI*
Original Message Reference.	UNM*
Standard Message Trailer.	UNT*
Standard Interchange Trailer.	UNZ*
Subject Variant.	VAS

Note: \* Service Segments

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**APPENDIX 2 - ANNEX D**

**SPECIFICATION CROSS-REFERENCE**

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**APPENDIX 2 - ANNEX D**

**SPECIFICATION CROSS-REFERENCE**

**1. PRESENTATION OF DATA**

ISO 646	Information Processing - ISO 7-bit coded character set for Information Interchange.
ISO 1001	Magnetic Tape Labelling and File Structure for Data Interchange.
ISO 2014	Writing of calendar dates in all numeric form.
ISO 2382	Data Processing - Vocabulary.
ISO 6937	Information Processing - Coded character sets for text communication.
ISO 7352	Information Interchange - Organisation and Representation of Data Elements.
ISO 7372	UN Trade Data Elements Trade Directory (UNTDDED).
ISO 8505	Information Processing - Text Communication. Functional Description and Service Specification for Message-Orientated Text Interchange Systems.
ISO 8571	File Transfer Access and Management.
ISO 8601	Data Elements and Interchange Formats. Information Interchange - Representation of Dates and Times.
ISO 8859	Information Processing - 8-bit single byte coded graphic character sets.
ISO 8883	Message Orientated Text Interchange System (MOTIS) - Message Transfer Agent Sub-Layer.
ISO 9040	Basic Class Virtual Terminal Service Conditions.
ISO 9041	Basic Class Virtual Terminal Protocol Specification.
ISO 9065	Message Orientated Text Interchange System (MOTIS) - User Agent Software.
ISO 9660	Information Processing - Volume and File Structure of CD-Rom for Information Interchange.

## **SPECIFICATION 2000M**

ISO 9735	Electronic Data Interchange Standard for Administration, Commerce and Transport (EDIFACT).
TRADE/WP4/R.422	Trade Data Interchange Protocols (GTDI) Service Segment Directory.
TRADE/WP4/R.443	Trade Data Interchange Protocols (GTDI) Basic Syntax Rules.
TRADE/WP4/R.444	Trade Data Interchange Protocols (GTDI) Segment Construction and Transmission Rules.
TRADE/WP4/R.487	Trade Data Interchange Protocols (GTDI). An Introduction to Qualified Data Elements.
TRADE/WP4/R.491	Trade Data Interchange Protocols (GTDI) Message Codes.
UN/ECE/WP4	EDIFACT - Message Design Guidelines.
NATO A COD P1 Chapter V Table 21	Character Sub-set for the Exchange of NATO Codification Data.
ATA Specification	International Specification for Logistics 2000 Materials Management.
H4 SERIES	NATO Supply Codes for Manufacturers' Cataloguing Handbook.

## **2. OPEN SYSTEMS ARCHITECTURE**

ISO 7498	Information Processing Systems - Open Systems Interconnection - Basic Reference Model.
CCITT V.22bis	2400 bps full-duplex 2-wire modem standard for use in the general circuit-switched telephone network.

## **3. SYSTEM SECURITY**

C-M(55)15(FINAL) Section X	Protection of NATO classified information handled and stored in ADP Systems and ADP Networks.
AC-35 D1012	NATO Security Committee - NATO Trusted Computer Systems' Evaluation Criteria.

**APPENDIX 2 - ANNEX E**  
**SERVICE SEGMENTS SPECIFICATION**  
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## **APPENDIX 2 - ANNEX E**

### **SERVICE SEGMENTS SPECIFICATION**

#### **1. INTRODUCTION.**

The Specification 2000M syntax used for the interchange of messages is based upon the use of ISO 9735. These require service segments to be wrapped around user data segments for transmission, and be supported by special service messages to notify the results of syntax checks. The following explanation gives the detail contained in the various service segments:

Ref. Data elements used in the service segments, together with their Numeric references are as stated in ISO 7372/UNTDDED and, when preceded by 'S', reference for a composite data element used in the service segments.

Repr. Data value representations:

a	alphabetic characters
n	numeric characters
an	alpha-numeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alpha-numeric characters

Ess. M Mandatory element.  
C Conditional element.

Note: A Mandatory component data element in a composite data element must appear whenever the composite data element is used.

Name Name of COMPOSITE DATA ELEMENT in capital letters.  
Name of DATA ELEMENT in capital letters.  
Name of Component Data Element in lower case letters.

Remarks IA Interchange Agreement between interchanging partners.

#### **2. SERVICE SEGMENTS USED**

The only ISO 9735 service segments which are used within the Specification 2000M are those listed in para 4.1 of Section A2-3. These are fully explained below.

### **3. SERVICE SEGMENTS EXPLANATION**

#### **3.1 Segment: UNA - SERVICE STRING ADVICE**

Function: To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows. The specifications in the Service String Advice take precedence over the specifications for delimiters, etc. in Segment UNB (see Annex B).

When transmitted, the Service String Advice must appear immediately before the Interchange Header (UNB) segment and begin with the upper case characters UNA immediately followed by the six characters selected by the sender to indicate, in sequence, the following functions:

Repr.	Ess.	Name	Remarks
an1	M	COMPONENT DATA ELEMENT SEPARATOR	default :
an1	M	DATA ELEMENT SEPARATOR	default +
an1	M	DECIMAL NOTATION	Comma or full stop
an1	M	RELEASE INDICATOR	If not used, insert space character otherwise ?
an1	M	Reserved for future use	Insert space character
an1	M	SEGMENT TERMINATOR	default '

EXAMPLE: UNA:+.? '

#### **3.2 Segment: UNB - INTERCHANGE HEADER**

**Function:** To start, identify and specify an interchange.

Ref.	Repr.	Ess.	Name	Remarks
S001		M	SYNTAX IDENTIFIER	
0001	a4	M	Syntax Identifier	a3, upper case, controlling Agency (will always be AEC = AECMA Spec 2000M applications) and a1 stating the character level set used (see Annex B) which always gives AECA.

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Ref.	Repr.	Ess.	Name	Remarks
0002	n1	M	Syntax Version	Increments 1 for each new Number version. Current version is '2'
S002		M	INTERCHANGE SENDER	
0004	an..35	M	Sender Identification	Code or name as specified in interchange agreement, where available NATO H4 Series Catalogue Handbook codes must be used.
0007	an..4	C	Identification Code Qualifier.	Used with sender ID code (if required).
0008	an..14	C	Address for reverse routing.	Code or name as applicable.
S003		M	INTERCHANGE RECIPIENT	
0010	an..35	M	Recipient Identification	Code or name as specified in interchange agreement, where available NATO H4 Series Catalogue Handbook must be used. Only one addressee per UNB is allowable.
0007	an..4	C	Identification Code Qualifier	Used with recipient ID code (if required).
0014	an..14	C	Routing Address	If used, normally coded sub-address for onward routing; use NATO H4 Code where available.
S004		M	DATE/TIME OF PREPARATION	
0017	n6	M	Date	<div> YYMMDD HHMM </div> } inserted automatically by the sender's computer system
0019	n4	M	Time	



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Ref.	Repr.	Ess.	Name	Remarks
0020	an..14	M	INTERCHANGE CONTROL REFERENCE	Unique reference assigned by sender. If not otherwise defined within the IA, default values will be formatted as follows: 1st char = transmission status, F: First transmission, R: Retransmission 2nd/3rd char = Retransmission Counter, (00 if first transmission, will be incremented by 1 with each Retransmission). 4th to 14th char Ref No an..11 (always the same while retransmission process goes on)
S005		C	RECIPIENTS REFERENCE/ PASSWORD	
0022	an..14	M	Recipient's Reference/ password	As specified in IA. May be password to recipient's system or to third party network to control access.
0025	an2	C	Recipient's reference/ password qualifier	If specified in IA.
0026	an..14	C	APPLICATION REFERENCE	Will always be '2000M' for Spec. 2000M message types listed in paragraph 2 of Annex C.
0029	a1	C	PROCESSING PRIORITY CODE	Used if specified in the IA to define the time allowed between initial receipt of an interchange and acknowledgement of that interchange.
0031	n1	C	ACKNOWLEDGEMENT REQUEST	Set = 1 if sender requests acknowledgement (see Annex F).
0032	an..35	C	COMMUNICATIONS AGREEMENT ID	Identifies type of communications agreement controlling the interchange; code or name as specified in IA.
0035	n1	C	TEST INDICATOR	Set = 1 if the interchange is a test. Otherwise not used.

**EXAMPLE:**

UNB+AECA:2+NAMMA+C0419+880101:0900+F00A001+MBB3081+2000M++++1'

This service segment must precede the first UNH segment of an interchange.

In the example:

AECA:2 identifies the syntax standard used and version number.

NAMMA is the customer/sender.

C0419 is the NATO SUPPLY CODE FOR MANUFACTURERS (MBB) and is the recipient. Note: the UNB segment can only relate to one addressee; in the case of multiple addressees, separate interchanges will be required for each.

880101:0900 means YYMMDD:HHMM.

F00A001 is the first transmission from a system using the Specification 2000M standard default format.

MBB3081 is an example of a password which could be applied by the MBB computer system.

2000M is the application reference.

1 indicates that the test indicator is set

### **3.3 Segment: UNH - MESSAGE HEADER**

Function: To head, identify and specify a message.

Ref.	Repr.	Ess.	Name	Remarks
0062	an..14	M	MESSAGE REFERENCE NUMBER	<p>Unique reference assigned by sender</p> <p>If not otherwise defined within the IA, default values will be formatted as follows:</p> <p>1st char = transmission status (F: First transmission; R: Retransmission)</p> <p>2nd/3rd char = Retransmission Counter, (00 if first transmission; will be incremented by 1 with each Retransmission) 4th to 14th char Ref No an..11 (always the same while retransmission process goes on)</p>

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Ref.	Repr.	Ess.	Name	Remarks
S009		M	MESSAGE IDENTIFIER	
0065	an..6	M	Message Type	The message identifier (Type - from Annex C) being transmitted.
0052	an..3	M	Message Version Number	Version number of the message type. Initially 1, increments by 1 whenever Message Type is amended within the Release Number of the Specification used in 0054.
0054	an..3	M	Message Release Number	Release number of the Revision of Spec. 2000 M as specified in the IA.
0051	an..2	M	Controlling Agency	Project Indicator as specified in interchange agreement, eg. "EF" for EFA. Default value "MC" for MCG.
0057	an..6	C	Association Assigned Code	The change proposal number which authorized the change. The last 2 digits will be the year. Omitted if initial.
0068	an..35	C	COMMON ACCESS REFERENCE	Key to relate all subsequent transfers of data to the same business case or file. Within the 35 characters the IA may specify component elements.
S010		C	STATUS OF THE TRANSFER	Only used where it is necessary to number the sequence of transfers progressively within one business file.
0070	n..2	M	Sequence of transfers	Starts at 1 and is incremented by 1 for each transfer.
0073	a1	C	First and last transfer	C = Creation, must be present for the first transfer if more than one foreseen. F = Final, must be present for last transfer.

EXAMPLE: UNH+F00A1234+FREETX:1:2.1:EF'

F00A1234 is the message reference number given by the sender using the Specification 2000M standard default format.

FREETX: Within the AECMA standard, the type of message from Annex C. For example, taken from the message types referred to in paragraph 2 of Annex C:

FREETX = Free Text Message,  
CSNIPD = Initial Provisioning (CSN-orientated) Message,  
SW1IDH = Summary Claim Submission (SW1) Message,

followed by the appropriate version number of the message, current release number of Spec. 2000M in which the message is specified and Controlling Agency (project Indicator).

### **3.4 Segment: UNT - MESSAGE TRAILER**

Function: To end and check the completeness of a message.

Ref.	Repr.	Ess.	Name	Remarks
0074	n..6	M	NUMBER OF SEGMENTS IN THE MESSAGE	Control count, including UNH and UNT.
0062	an..14	M	MESSAGE REFERENCE NUMBER	Must be identical to 0062 in UNH.

EXAMPLE: UNT+8191+F00A1234'

### **3.5 Segment: UNZ - INTERCHANGE TRAILER**

Function: To end and check the completeness of an interchange.

Ref.	Repr.	Ess.	Name	Remarks
0036	n..6	M	INTERCHANGE CONTROL COUNT	The count of the number of messages.
0020	an..14	M	INTERCHANGE CONTROL REFERENCE	Must be identical to 0020 in UNB.

EXAMPLE: UNZ+15+F00A001'

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## APPENDIX 2 - ANNEX F

## ACKNOWLEDGEMENT AND ERROR NOTIFICATION PROCEDURE

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**APPENDIX 2 - ANNEX F****ACKNOWLEDGEMENT AND ERROR NOTIFICATION PROCEDURE****1. INTRODUCTION**

This Annex describes the procedures for acknowledging the receipt of a message, and for notifying certain error conditions encountered during the various validation levels which are undertaken. Such acceptance or error notification information will be the responsibility of the recipient user who will return the CONTRL and ERRNLT advice messages. In the case of errors, the message will also identify what has occurred. This procedure will operate at 3 levels: the interchange level at which service data is checked, the message level at which the Message format and format of user data is checked, and the application level at which the content of the user data is checked.

**1.1 Interchange Level**

The interchange acknowledgement, or details of the error conditions found in the service data, will be notified by use of a CONTRL message. The CONTRL message will be generated when the initial validation of the interchanged service segments is complete and no errors in the user data have been found. Acknowledgement will take place only when the Acknowledgement Request Indicator (0031) is set in the UNB segment or an error has been found.

**1.2 Message Level**

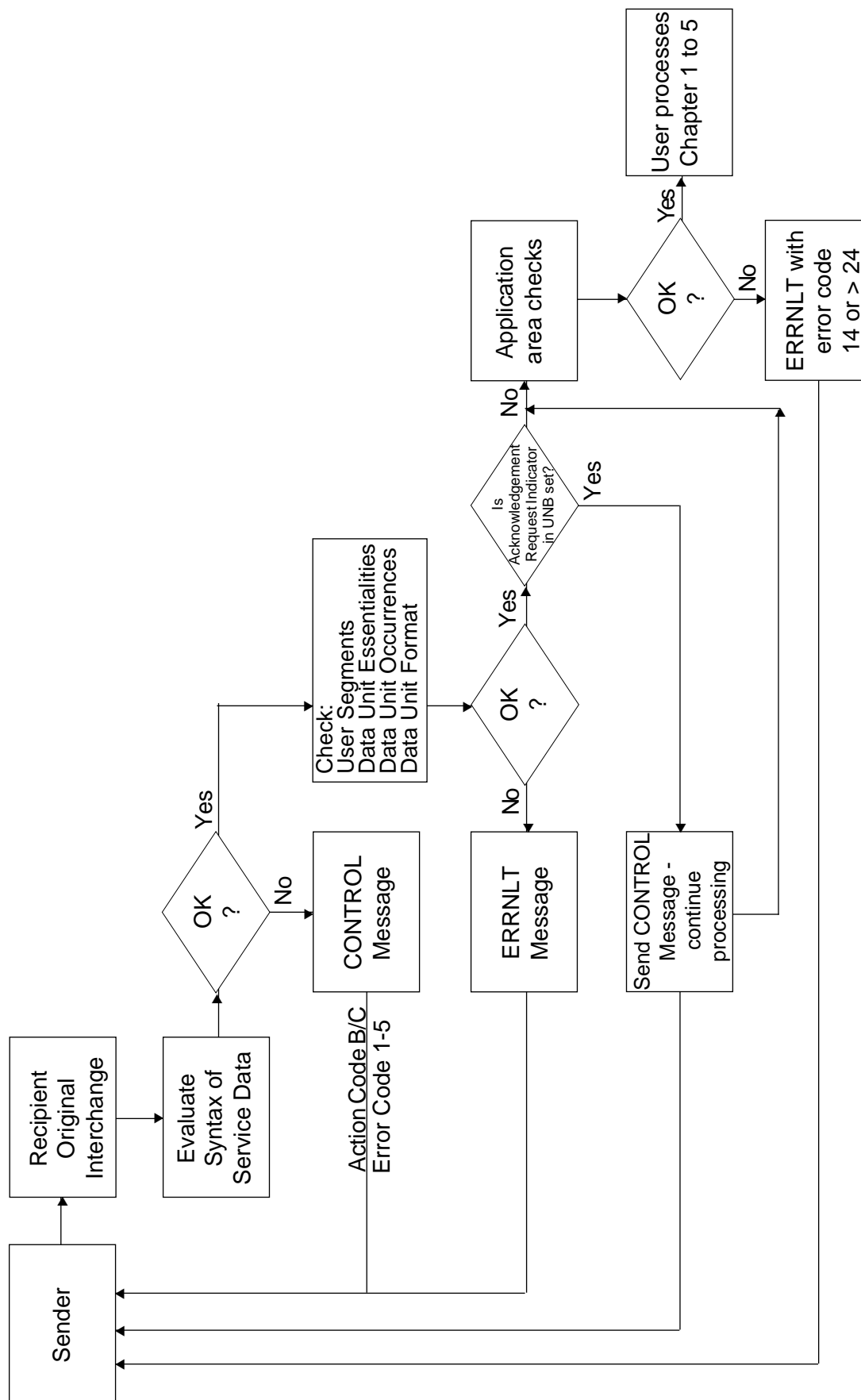
At the message level, generally the message and data formats will be checked and an ERRNLT message produced when an error is found. The ERRNLT will indicate the reasons.

**1.3 Application Level**

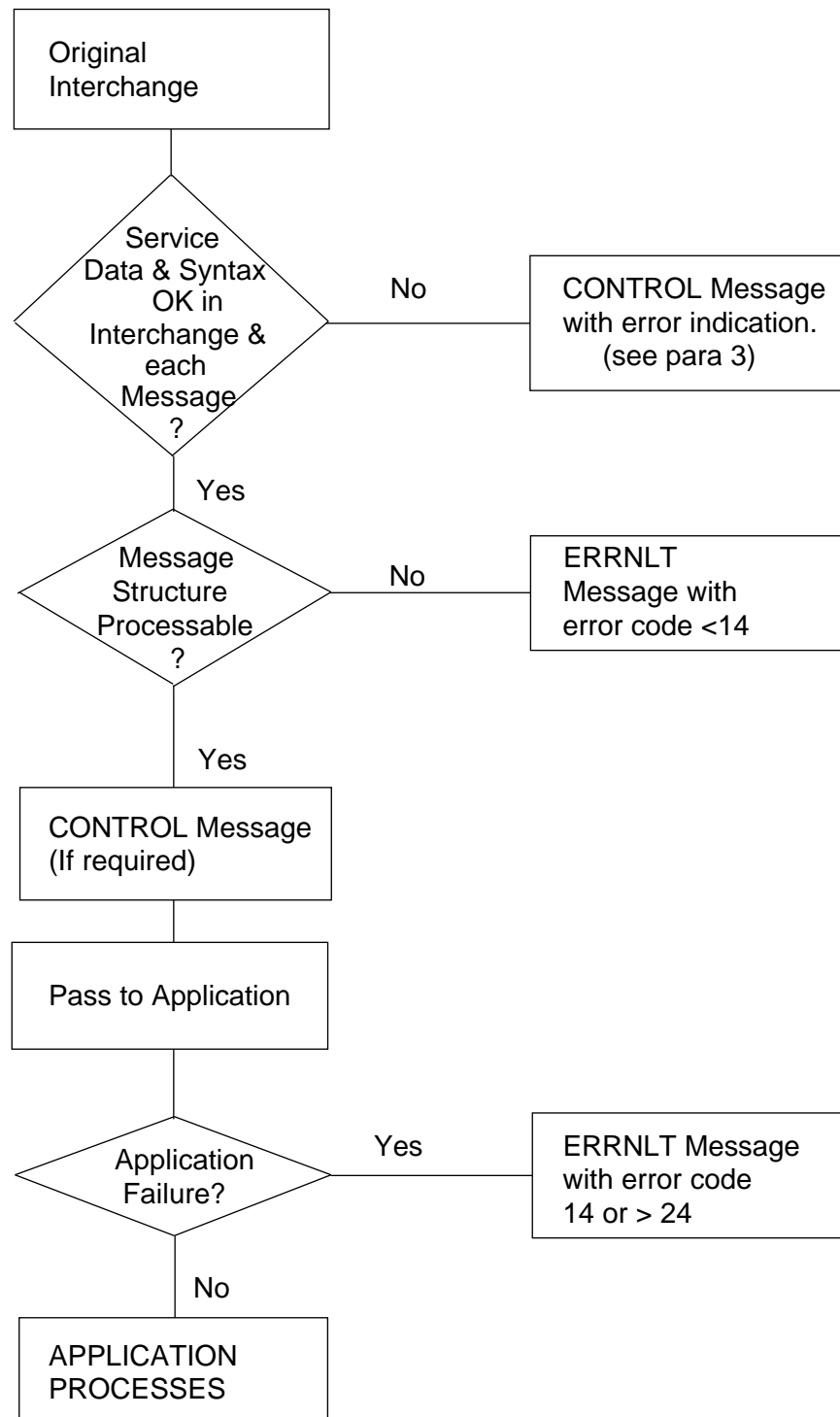
Additional Checks of data formats and contents may be undertaken within this level. In addition to the use of the ERRNLT, special messages like OBSINF may also be constructed by the Initial Provisioning process to notify failures that have occurred. Details of the OBSINF message and the business circumstances to which it relates are contained in Chapter 1.



# CONTROL AND ERROR NOTIFICATION PROCEDURE



## 2. INTERCHANGE TESTING AND ACTIONS



Note: Contractual acceptance of the content of a message should be made in a special dedicated message as indicated in the appropriate chapters of this Specification.

### **3. SERVICE MESSAGE (CONTRL)**

A special service message (CONTRL) will be constructed to:

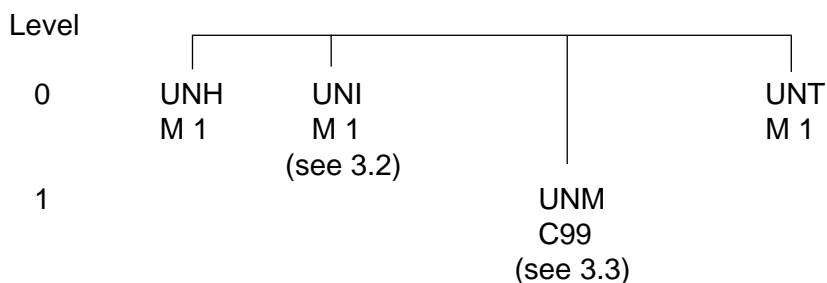
- acknowledge an interchange.
- notify errors detected in the service information.

In the case of acknowledgement, it will only be provided when the acknowledgement request indicator (0031) has been set in the UNB segment or an error has been found.

When the CONTRL Message contains an Action Code (see paragraph 5.1) of "C" in the UNI Segment, the original interchange must be retransmitted by the sender. If it equals "B", the interchange will be retransmitted to correct errors found.

The use of Error and Action Codes in the CONTRL message is contained in paragraph 5.3.1.

#### **3.1 Branching Diagram of CONTRL Message**



The segments are explained as follows:

UNH - Message Header

UNI - Original Interchange Response

UNM - Original Message Reference

UNT - Message Trailer

The UNI segment identifies the interchange being acknowledged or in error. If the whole interchange is being acknowledged or rejected then only the UNI segment need be transmitted. The addition of the UNM segment allows for multiple acknowledgement or error indication at message level.

Standard UNH and UNT segments are to be used.

### **3.2 Segment: UNI - ORIGINAL INTERCHANGE RESPONSE**

Function: To identify the interchange which is being responded to, and to provide an Indication of the action taking place ie. acknowledgement or error notification, and type of error.

Ref.	Repr.	Ess.	Name	Remarks
0020	an..14	M	INTERCHANGE CONTROL REFERENCE	From original UNB message ("/") character if ICR is missing)
0083	a1	M	ACTION CODE	See paragraph 5.1. Code value A, B or C.
0085	n..2	C	ERROR CODE	See paragraph 5.2. Code value 1, 2, 4 or 5 (UNZ only).

### **3.3 Segment: UNM - ORIGINAL MESSAGE REFERENCE**

Function: To identify the message in the original interchange and to provide an indication of the action taking place ie. acknowledgement or error notification, and type of error.

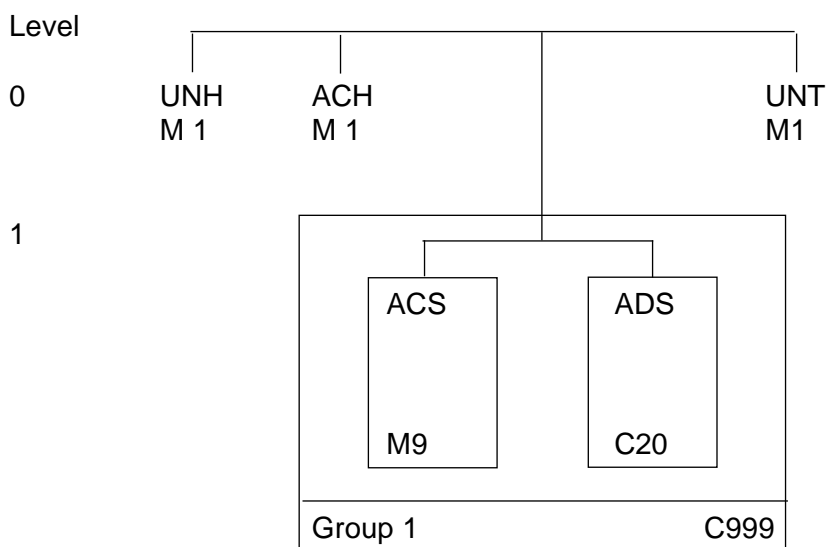
Ref.	Repr.	Ess.	Name	Remarks
0062	an..14	M	MESSAGE REFERENCE NUMBER	From original UNH ("/") character if UNH or MR is missing).
0068	an..35	C	COMMON ACCESS REFERENCE	If used in original message
S009 0065	an..6	M M	MESSAGE IDENTIFIER Message Type	As in original UNH 0065 message. (Use "/" if any or all Message Identifier elements missing)
0052	an..3	M	Message Version Number	
0054	an..3	M	Message Release Number	
0051	an..2	M	Controlling Agency	
0057	an..6	C	Association Assigned Code	
0083	a1	M	ACTION CODE	See paragraph 5.1. Code value B or C.
0085	n..2	C	ERROR CODE	See paragraph 5.2. Code value 3, 4 or 5 (UNT only).

#### **4. ERROR NOTIFICATION MESSAGE (ERRNLT)**

A special message (ERRNLT) will be constructed to notify certain error conditions encountered during both initial message validation and can be used for subsequent applications error processing.

Where the ACH segment contains an action code of "B", only the faulty part of the message need be retransmitted to correct the errors found. Where the ACH segment contains an action code of "C", the original message must be retransmitted in full.

##### **4.1 Branching Diagram**



Group 1 is Mandatory if ACTION CODE in ACH = B  
(However, it may be used with ACTION CODE = C if  
further explanation of the error is available)

##### **4.2 Message Presentation**

Message: ERRNLT Acknowledgement and Error Notification.

Function: Message from the recipient to the sender notifying any errors found during processing of the message and transaction.

Segment Code: UNH - MESSAGE HEADER (Standard - Message Type always ERRNLT).

Segment Code: ACH ERROR NOTIFICATION MESSAGE HEADER SEGMENT

Function: Identifies the received message/transaction and notifies that errors have been found.

Ref.	Repr.	Ess.	Name	Remarks
MID		M	MESSAGE IDENTIFIER	Received Message identifier from original UNH segment.
	an..6	M	Message Type	
	an..3	M	Message Version Number	
	an..3	M	Message Release Number	
	an..2	M	Controlling Agency	
	an..6	C	Association Assigned Code	
MRN	an..14	M	MESSAGE REFERENCE NUMBER	From original UNH segment.
ATC	a1	M	ACTION CODE	See paragraph 5.1. Code value B or C.

Segment Code: ACS ERROR NOTIFICATION SEGMENT

Function: Indicates that errors have been found within the received segment of a message. The first ACS of the repeating group must define Level 0 KDUs, the second the Level 1 KDUs and so on to enable identification of the segment in error.

Ref.	Repr.	Ess.	Name	Remarks
SGT	a3	M	SEGMENT CODE IDENTITY	Received segment code.
KDU	an..134	M	KEY DATA UNIT(S)	Repeatable up to 9 times. Original KDU will form the value of this Data Unit without using release characters. Repeat KDU if original segment contains more than one KDU. DEFAULT VALUE = ZZZZZZ.
ERC	n..2	C	ERROR CODE	Type of error found - see paragraph 5.2. Code value 6 to 9. Must be present only in the final ACS of the repeating group. However, it must not be used if ADS present.

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Segment Code: ADS ERROR NOTIFICATION DATA UNIT

Function: Indicates that TEI or Data Unit occurrence format error has been encountered.

Ref.	Repr.	Ess.	Name	Remarks
TEI	an..134	M	TEI IDENTITY IDENTIFIER	Received Data Unit In the case of composite Data Units only the first 130 characters of the data element values will be allowed. DEFAULT VALUE = ZZZZZZ
ERC	n..2	M	ERROR CODE	See paragraph 5.2. Code value 10,11,12 or higher. For IP-Business, only Error Codes up to 12 are allowed; other IP Errors will be covered by the OBSINF Message.
REM	an..65	C	REMARKS	Must only be used with Error Code 14.

Segment Code: UNT - MESSAGE TRAILER SEGMENT (STANDARD).

### 5. ADVICE CODES

#### 5.1 Action Codes (0083 & ATC)

A - ACKNOWLEDGEMENT	Indication that the interchange or message has been received without syntax or service segment specification errors.
B - ACKNOWLEDGEMENT WITH ERRORS	Indication that the interchange, message or segment has been received, some errors have been detected, but further processing can take place.
C - REJECTED	Indication that an error or a number of errors has/have been detected in the interchange/message/segment/data unit which has made it impossible to process as required.

#### 5.2 Error Codes (0085 & ERC)

1 - UNA NOT SUPPORTED	Notification that the UNA Character string cannot be understood/complied with.
2 - SYNTAX NOT SUPPORTED	Notification that the syntax identifier and/or the level specified in the data element in the UNB segment is not supported by the recipient.

3 - MESSAGE IDENTIFIER NOT SUPPORTED	Notification that the message type, version number, message release number and/or controlling agency and/or Association Assigned Code, if used in the UNH segment is not supported.
4 - SERVICE SEGMENT MISSING OR INVALID	Notification that a service segment (UNB or UNH) is missing, contains invalid data, or cannot be processed for any reason.
5 - TRAILER CHECK IN ERROR	Notification that trailer is missing or data contained in the trailer does not agree with data in the header, and/or the segment count is incorrect.
6 - MESSAGE STRUCTURE INVALID	Notification that the segment is not in accordance with the message branching diagram.
7 - SEGMENT MISSING	Indication that the segment which is mandatory for the message type is missing.
8 - NUMBER OF SEGMENT OCCURRENCES INVALID	Notification that segment occurrences which are authorized for the message type exceed the maximum number of representations permitted.
9 - SEGMENT CODE INVALID	Notification that the segment code is not authorized for this message type.
10 - TEI MISSING	Notification that a TEI is missing from the segment.
11 - TEI INVALID	Notification that a TEI is invalid for the segment.
12 - NUMBER OF DATA UNIT OCCURRENCES INVALID	Notification that data unit occurrences which are authorized for the segment exceed the maximum number of representations permitted.
13 - DATA UNIT FORMAT INVALID	Notification that a data unit format is not in accordance with that specified in the Appendix 1(Data Dictionary).
14 - DATA UNIT ERROR	Will only be used if amplifying remarks are required to explain the nature of the error.
15 to 24	Reserved for future use by AECMA.
25 to 99	Available for Project use as specified within appropriate Project documentation.



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### 5.3 Using Error and Action Codes

The following table describes how Error and Action codes are used:

#### 5.3.1 CONTRL Message

##### 5.3.1.1 UNI Segment

Error Description	Error Code	Action Code
UNA not supported	1	C
UNB missing	NO ACTION POSSIBLE	
UNB (ICR missing)	4	C
UNB (Syntax not supported/missing)	2	C
UNB (Interchange Sender not recognized/missing)	NO ACTION POSSIBLE	
UNB (Interchange recipient not recognized/missing)	4	C
UNB (Other errors)	4	B
UNZ missing	5	C
UNZ (ICR or count in error)	5	C
UNM contains Action Code B or C	4	B

##### 5.3.1.2 UNM Segment

Error Description	Error Code	Action Code
UNH missing	4	C
UNH (message reference missing)	4	C
UNH (message identifier missing/ not supported)	3	C
UNH (other errors)	4	B
UNT missing	5	C
UNT (message reference number or count in error)	5	C

#### 5.3.2 ERRNLT Message

The error codes used in the segments of the ERRNLT messages will be selected from the range 6 or higher of the list in paragraph 5.2. Apart from the ACH segment, in which action code B may occur, action code C is the only one which can be used in the ACS and ADS segment. For this reason, it is not transmitted but inferred.

5.3.2.1 The following table shows the legal combinations of Error Codes and Action Codes. In the segments ADS and ACS, the Action Code is not transmitted, but inferred. In the case of Error Codes 6 to 9, the whole message or the branch of the message in error must be retransmitted according to the rules given in para 5.5. In the case of Error Codes 10 or above only the segment in error need be retransmitted unless one or more KDUs where in error. If a KDU error occurred, then the whole segment including those segments of the lower levels must be retransmitted.

Error Description	Error Code	Action Code		
		ADS (inferred)	ACS	ACH transmitted
Message Structure invalid	6	-	C	B or C
Segment Missing	7	-	C	B or C
Number of Segment Occurrences Invalid	8	-	C	B or C
Segment Code invalid	9	-	C	B or C
TEI missing	10	C	B or C ( 'C' if KDU missing)	B or C
TEI invalid	11	C	B or C	B
Number of Data Unit Occurrences invalid	12	C	B or C ( 'C' in case of KDU Errors)	B or C
Data Unit Format invalid	13	C	B or C ( 'C' in case of KDU Errors)	B or C
Data Unit Error	14	User defined. Default =B in ACH Take action from Remarks.		

Note:

1. Error Codes 15 to 24 reserved for future AECMA use.
2. Error Codes 25 to 99 Project defined.

#### **5.4 Resulting Action**

UNI Action Code = A	No action necessary.
UNI Action Code = B	
- no UNM present	Take no action. Recipient assumed able to process messages.
- UNM Action Code = B	Take action from Error Code.

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- UNM Action Code = C	Original message to be retransmitted.
UNI Action Code = C	Full interchange to be retransmitted.
ACH Action Code = C	Repeat transmission of original message.
ACH Action Code = B	
- no ACS present	Invalid condition.
- ACS present (with or without repetitive ADS Segment)	Retransmit original message without repeating conditional/optional or segments not in error. However for IP messages,a special CORIPD message must be constructed instead.

### 5.5 Retransmission

The retransmission of segments in response to Action Code B, required to correct errors at either segment or data unit level will require a complete message to be sent except for IP messages where the CORIPD message will perform this task. Any retransmission must include all mandatory segments appearing at least once to allow the message to match the branching diagram, but will only include those conditional/optional segments which were originally in error, and not the total original message.

## **6. HARD-COPY PRESENTATION**

A hard-copy output of acknowledgement and error notification messages will be produced if a message cannot be sent electronically for whatever reason.

The hard-copy message to be output is depicted below:

### **ACKNOWLEDGEMENT AND ERROR NOTIFICATION**

MESSAGE  _____	]	
	]	Message identification
COMMON ACCESS REFERENCE	]	
_____	]	
ATC/ACC  _   _____		Message acceptance/ action code and text explanation
SEGMENT  _	]	Segment identification
KEY  _ _ _ _ _	]	TEI of key/value/error
KEY  _ _ _ _ _	]	code and text explanation
ATC/ACC  _ _ _____		Segment/acceptance/ rejection code and text explanation
ERRORS		TEI of data elements.
TEI/ERC  _ _ _ _ _	]	Error code and text
TEI/ERC  _ _ _ _ _	]	explanation

Notes: The segment Section may be repeated as necessary.

- If more than one segment contains errors the block commencing SEGMENT (identifier) the TEI will be repeated.
- One line for each key data unit with TEI and value.
- Following line "ERRORS", if errors found in the TEIs/data elements of the segment.
- One line for each error found, followed by the error code and its explanation.

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## APPENDIX 2 - ANNEX G

### EXAMPLE OF AN INTERCHANGE AGREEMENT

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## SPECIFICATION 2000M

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**APPENDIX 2 - ANNEX G**

**EXAMPLE OF AN INTERCHANGE AGREEMENT**

**1. INTRODUCTION**

This Annex defines the layout and content of the recommended AECMA SPEC 2000M Interchange Agreement (IA).

The example contains the minimum information required for such an Interchange Agreement, however, it is accepted that users may wish to amplify further or to include other information relevant to their particular project.

**2. LAYOUT**

The following example of an Interchange Agreement should be read as a document in its own right and therefore it contains Annexes; these Annexes must not be confused with the general term "Annex" as used within the Spec 2000M.



## Interchange Agreement

(IA)

(EXAMPLE)

between

---

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---

---

(OF THE FIRST PART)

---

---

---

---

(OF THE SECOND PART)

for the following Project (s) / Weapon System (s) :

1. 

---
2. 

---
3. 

---

**WHEREAS:**

- (a) the parties have entered or propose to enter into one or more agreements respecting the supply of products and/or services;
- (b) it is proposed that such supply of products and/or services will be facilitated by the use of electronic data interchange by applying the AECMA SPEC 2000M interchange and business standards/procedures and agreed supplementary documents, agreements and contracts as mentioned within this Agreement, utilizing facilities of the parties or those of third parties; and
- (c) the parties have agreed that the use of such electronic data interchange for such purposes will be governed by this agreement,

NOW THEREFORE, in consideration of the premises and the mutual covenants herein contained, the parties hereto agree as follows:

This agreement covers the exchange of the following Data:

- ☐ Initial Provisioning Data
- ☐ Mutual Support Data
- ☐ Order Data
- ☐ Hastening Data
- ☐ Invoice Data
- ☐ Consumption Data
- ☐ Quotation Data
- ☐ Price Agreement Data

*(for a detailed list of Message Types and Versions see SPEC 2000M Annex A)*

This Interchange Agreement has the COMMUNICATIONS AGREEMENT ID Number:

---

This Number might be presented in the UNB-Segment in the field COMMUNICATIONS AGREEMENT ID (0032).

## **ARTICLE 0 - INTERCHANGE STANDARD**

### **0.01 For the exchange of data the following standard is to be used:**

- [ ] AECMA SPEC 2000M REV. \_\_\_\_\_
- [ ] Additional approved Changes will also apply.

*(See IA Annex C for approved Changes to the AECMA SPEC 2000M being valid for this Interchange Agreement)*

The following Syntax Version (field 0002 in UNB) is to be used:

- [ ] \_\_\_\_\_ (see additional agreement)

### **0.02 Documentation**

The documentation valid for this Interchange Agreement is the AECMA SPEC 2000M documentation, Revision as pointed out in paragraph 0.01, and the approved Changes as defined in IA Annex C.

Additional documents being valid are:

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### **0.03 Hierarchy of the Documents**

The hierarchy of the documents expresses the sequence of the valid Documents for legal aspects. If one of the documents of the lower levels is in contradiction to one of the documents of the higher levels, the expressions and terms of the document of the higher level are binding unless the difference is expressed, fully explained and agreed in the document of the lower level. Normally the transaction/message is the document of the lowest level, the Interchange Agreement one level above, the Weapon System Procedures (Project Specific Procedures) one level above the Interchange Agreement, the AECMA Spec 2000M one level above the Weapon System Procedures and so on.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**0.04 Interpretation of the Data Exchange Standard**

Wherever the standard is open for interpretation and both parties have no common agreement about the interpretation, the problem is to be addressed to the responsible Expert Team as defined in Chapter 0 of the AECMA SPEC 2000M.

Both parties agree to accept the answer of the expert team. (*See Article VIII*).

**0.05 Agreement Duration**

This agreement is valid for \_\_\_\_\_. Review of this agreement will be undertaken on demand of one of the parties but no later than \_\_\_\_\_ before the agreement termination date.

**0.06 Survival of Specified Sections**

The following provisions of this Agreement shall survive the completion, expiry or termination of this Agreement and shall continue in full force and effect thereafter until such time as the parties mutually agree in writing to release of the obligations imposed by such provisions: paragraphs 4.04, 6.01.

## **ARTICLE I - INTERPRETATION**

### **1.01 Definitions**

Whenever used in the Agreement or any Schedules hereto, unless something in the context is inconsistent therewith, the following words and terms shall have the respective meanings ascribed to them as follows:

- (a) "Communications Manual" means the manual or manuals, standard or communication method setting out technical procedures and rules applicable to the transmission of Documents / Transactions / Messages conforming to the EDI Protocol, which is in fact the AECMA SPEC 2000M Appendix 2 in combination with the information regarding Data Communication given within the appropriate business chapters of the AECMA SPEC 2000M;
- (b) "Confidential Information" means with respect to each of the parties to this Agreement respectively, the confidential information and trade/military secrets of that party and the confidential information and trade/military secrets of other persons in favour of which that party has undertaken, or is otherwise bound by, an obligation of confidentiality, regardless of the form in which such information is constituted, excluding however, information that is demonstrated by the party seeking entitlement to an exemption of compromise: information which has become publicly available other than as a result of the conduct of that party, information within that party's knowledge prior to the effective date of this agreement; and information that has been lawfully and legitimately disclosed to that party by another source;
- (c) "Contract" means a business relationship between the parties as mentioned here in this Interchange Agreement or as described with AECMA SPEC 2000M, which means that the placement of a special message starts a contractual situation;
- (d) "EDI Infrastructure" means the configuration of manual and computer processing and communications facilities by means of which Documents are transmitted and received by the parties. This also includes non-electronic medias for transmitting and processing purpose;
- (e) "EDI Protocol" means the protocol to be used as specified by the parties in the front of this Interchange Agreement;
- (f) "Receiving Computer" means, with reference to each party, the computer designated from time to time as that Computer to which data should be transmitted; this terminology is also used if the document is received by a terminal, hardcopy printer, fax machine or on paper.
- (g) "Recipient" in relation to any Document means the party that physically receives it;

- (h) "Sender" in relation to any Document means the party that physically transmits it;
- (i) "Transaction Log" means the record of all Documents and other communications exchanged between the parties via the EDI Infrastructure.

### **1.02 Headings**

The division of this Agreement into Articles and Sections and the insertion of headings are for convenience of reference only and shall not affect the construction or interpretation of this agreement. The terms "this Agreement", "hereof", "hereunder" and similar expressions refer to this agreement and not to any particular Article, Section or other portion hereof and include any agreement supplemental hereto. Unless something in the subject matter or context is inconsistent therewith, references herein to Articles and Sections are to Articles and Sections of this Agreement.

### **1.03 Governing Law**

This Agreement shall be governed by and construed in accordance with the international, European and national laws.

### **1.04 Language**

This Agreement and all Documents transmitted via the EDI Infrastructure or otherwise delivered with respect to this Agreement shall be expressed in the contract language.

## **ARTICLE II - SCOPE**

### **2.01 Scope**

The provisions of this Agreement shall apply to all Documents transmitted via the EDI Infrastructure and all related processing as defined in the related standards.

## **ARTICLE III - CREATION OF THE EDI INFRASTRUCTURE**

### **3.01 Creation and Readiness Notification**

Each party shall obtain, install and test, all the necessary equipment/Software for exchanging and processing those documents as contemplated by this Agreement. The parties shall notify no later than \_\_\_\_\_ the other party in writing of its readiness to begin exchanging Documents.

### **3.02 Testing**

The parties shall co-operate in testing the EDI Infrastructure before the date specified in paragraph 3.01 and from time to time thereafter when reasonably requested by one of them, and agreed by the other. Test standards, methods and documentation shall be agreed between the interchanging partners.

### **3.03 Document Standard**

The Document Standard applicable to this Interchange Agreement is AECMA SPEC 2000M (see paragraphs 0.01 and 0.02).

### **3.04 EDI Infrastructure**

The EDI Infrastructure is defined in IA Annex E. (The content of the Annex will be determined by the interchanging partners).



## **ARTICLE IV - RELIABILITY OF EDI INFRASTRUCTURE**

### **4.01 Authorization**

Each party shall establish such system or method of controlling the transmission of its Documents as it considers appropriate, and warrants that each Document of which it is the Sender is duly authorized.

### **4.02 Security**

Each party shall comply with the security procedures specified within AECMA SPEC 2000M (Section A2-5).

Each of the parties shall take all appropriate steps and establish and maintain all appropriate procedures so as to ensure that as far as reasonably practicable Messages are properly stored, are not accessible to unauthorised persons, are not altered, lost or destroyed, and are capable of being retrieved only by properly authorised persons.

Each of the parties shall ensure that Message is maintained by the recipient in confidence and is not disclosed to any unauthorised person or used by the recipient other than for the purposes of the business transaction to which it relates, except as maybe expressly agreed otherwise in writing between the parties.

Any authorised disclosure to another person shall be on the same terms as to confidentiality as contained in this clause.

Where permitted by law, the parties may apply special protection to Messages by encryption or by other agreed means including those set out in the User Manual. Unless the parties otherwise agree, the recipient of a Message so protected shall use at least the same level of protection for any further transmission of the Message, for all responses to the Message and for all other communications to any other person relating to the Message.

### **4.03 Incomplete, Inaccurate or Corrupted Documents**

If the recipient of a Document or other communication via the EDI Infrastructure reasonably suspects that it is not intended for him, he shall promptly notify the Sender and request clarification.

Notwithstanding that the sender is responsible and liable for the completeness and accuracy of a Document, the sender will not be liable for the consequences of an incomplete and incorrect transmission if the error is or should in all circumstances be reasonably obvious to the recipient. In such event the recipient must immediately notify the sender thereof.

#### **4.04 Confidentiality**

Each party acknowledges that Documents may contain Confidential Information of the other party. Each party shall notify any personnel who may have access to Documents of the confidential nature of such information and shall instruct such personnel to refrain from disclosing such information except to the extent reasonably necessary to enable the performance of their duties and to undertake all reasonable steps necessary to preserve the confidentiality of Confidential Information of the other party including the exercise of not less than the same degree of discretion and precaution applicable with respect to the Confidential Information of the party by which they are engaged.

If the recipient recognises that a Document is not intended for him he must not use the information contained therein for any purpose, additionally he has to delete all the information contained therein from his database but not the record of its receipt.

If one of the parties does not preserve the confidentiality of Confidential Information, the other party may stop any transaction and processing until an acceptable status of confidentiality is achieved.

#### **4.05 Disaster Recovery**

If the EDI Infrastructure ceases to be available to the parties by reason of some failure of equipment or services (whether or not caused by a party or constituting force majeure as described within Article VI), each party will use its best efforts to:

- (a) continue normal communications between it and the other party by alternate means, and
- (b) restore the EDI Infrastructure to normal operating condition as soon as reasonably practicable.

#### **4.06 Availability**

The parties agree a Processing Window(s) defining those periods of times during which Data Exchange is possible. In the case of expected non-availability of the EDI Infrastructure, the party responsible for the non-availability should notify this fact within a reasonable time to the other party.

## **ARTICLE V - RECORDS AND AUDIT PROCEDURES**

### **5.01 The Transaction Log and other associated Audit Procedures**

The Transaction Log and other associated Audit Procedures will be governed by the law applying to the contract of which this Interchange Agreement forms a part (paragraph 1.03).

## **ARTICLE VI - LIABILITY**

### **6.01 Consequential Damages**

The parties acknowledge that the existence and use of EDI Infrastructure are for their mutual benefit; the information obtained by each about the affairs of the other by the negotiation and performance of this Agreement shall not be used to impose liability for consequential damages or in another way to increase the liability of either in the event of a failure to perform its obligations under a contract, beyond what it would have incurred for a breach of the Overall Agreement (use of SPEC 2000M for a Weapon System / Project as defined above) if this Agreement had never been entered before.

### **6.02 Force Majeure**

A party shall not be liable for any loss or damage suffered by the other caused by a failure to perform any duty imposed by this Agreement where such failure is caused by an event, omission or condition not reasonable within the control of the defaulting party. Any delay or non-performance caused by a Force Majeure should be notified immediately to the other party by using the methods defined by IA Annex D.

## **ARTICLE VII - THIRD PARTY AGENCIES**

- 7.01** If a party to this Agreement uses the services of an agent in order to transmit, log or process messages, that party shall be responsible towards another party or other parties to this Agreement for any acts, failures or omissions by that agent in its provision of the said services as though they were his own acts, failures or omissions, and for the purposes of this agreement the agent shall be deemed to be an agent of that party.
- 7.02** If a party instructs any other party to use the services of such agent for transmitting a message, then that party shall be responsible towards the other party for such agents acts and omissions.
- 7.03** Any party giving such instructions shall ensure that it is a contractual responsibility of the agent that no change in the substantive data content of the Messages to be re-transmitted is made and that such Messages are not disclosed to any unauthorised person.

## **ARTICLE VIII - DISPUTE RESOLUTION**

### **8.01 Resolution of Disputes**

In the event of any disagreement or dispute between the parties as to any matter arising from or related to this Agreement and which the parties are unable to resolve after good faith negotiations, the matter shall be referred to and determined by arbitration by the MCG and their related Expert Teams or by a single arbitrator who shall be an independent expert in electronic data interchange technology and AECMA SPEC 2000M. The decision by the MCG/arbitrator shall be final and binding on the parties. Judgement upon any arbitral award may be entered in any court as defined in the contract.

In witness whereof each of the parties hereto have executed this Agreement as of the date and year stated above.

Date: \_\_\_\_\_

\_\_\_\_\_ (For the First Part)

\_\_\_\_\_ (For the Second Part)

## Annex A - Message Type to be Exchanged

The following sheet may be written for every single Message, for a group of Messages or may be replaced by a general statement in accordance with paragraph 3.03 of the Interchange Agreement. However, Projects should note that unless the project has well defined user guides setting out the use of the "project specific" Data Units the following example provides a simple method of achieving "common" understanding of such DUs across the Interchange.

MESSAGE TYPE [Long Name]: \_\_\_\_\_

MESSAGE IDENTIFIER: Values defined hereby are to be presented in the UNH - Segment.

Message Type: \_ \_ \_ \_ \_

Message Version Number: \_ \_ \_

Message Release Number: \_ \_ \_ Equal to AECMA SPEC 2000M REVISION NUMBER;  
shall be identical to the Revision defined within the  
Interchange Agreement, para 0.01.

Controlling Agency: \_ \_ \_

Project Indicator, e.g. "EF" for EFA

Association Assigned Code: \_ \_ \_

### COMMON ACCESS REFERENCE:

If First Part is recipient:

-----

- ☐ Use Mandatory in combination with this Message Identifier
- ☐ To be used in certain circumstances. *(Circumstances to be defined in programmable terms if electronic validation required)*

If Second Part is recipient:

- ☐ Use Mandatory in combination with this Message Identifier
- ☐ To be used in certain circumstances. *(Circumstances to be defined in programmable terms if electronic validation required)*

### STATUS OF TRANSFER:

- ☐ Use allowed
- ☐ Use not allowed

ACKNOWLEDGEMENT: Acknowledgement of a correct Message (if required - UNB/-Indicator set) must be transmitted within \_\_\_\_ [Time]

ERROR NOTIFICATION: Error notification (CONTRL/ERRNLT) must be transmitted within \_\_\_\_ [Time]

DEFINITION OF "PROJECT SPECIFIC" DATA UNITS:

Data Unit (TEI) \_ \_ \_

[ ] Use Mandatory.

[ ] Use Conditional: (Specify **PROGRAMMABLE** conditions)

*Repeat as required*



## Annex B - Filling of Service Segments

**Note.** Unless defined within "Project" documentation (which should be "called up" by this IA) the Service Segment contents must be defined in detail within the IA. The following example gives one method which can be adopted for all the Service Segments.

### 0.01 UNB - INTERCHANGE HEADER SEGMENT

Mandatory data elements are to be filled in accordance with Spec 2000M Appendix 2 section E

Ref.	Name	Value	Remarks
S001	SYNTAX IDENTIFIER		
0001	Syntax Identifier	AECA	
0002	Syntax Version		see para 0.01 of Interchange Agreement
S002	INTERCHANGE SENDER		Will be completed for both parties
0007	Identification Code Qualifier	----	
	[ ] Use Mandatory		
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
0008	Address for Reverse Routing	----..-	
	[ ] Use Mandatory		
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
S003	INTERCHANGE RECIPIENT		Will be completed for both parties
0007	Identification Code Qualifier	----	
	[ ] Use Mandatory		
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
0014	Routing Address	----..-	
	[ ] Use Mandatory		
	[ ] To be used in certain circumstances.		(Circumstances to be defined)

**ALTERNATE SENDER & ALTERNATE RECIPIENT (Article VII)**

[ ]	Use Alternate Sender	{	If used complete
		{	relevant data elements
[ ]	Use Alternate Recipient	{	as for Sender &
		{	Recipient preceding
		{	sections.

## SPECIFICATION 2000M

Ref.	Name	Value	Remarks
0020	INTERCHANGE CONTROL REFERENCE	<i>(Although Mandatory Spec 2000M allows for a variety of uses)</i>	
	[ ] AECMA SPEC 2000M default format to be used		
	[ ] No special structure rules to be used		
	[ ] Retransmission with same INTERCHANGE CONTROL REFERENCE		
	[ ] Special Format:	— — — . . —	(Define format)
S005	RECIPIENTS REFERENCE/PASSWORD (Conditional Segment)		
	[ ] Use Mandatory		(Password to be defined. The passwords may be defined within separate document.)
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
0022	Recipients Reference/password	— — . . — —	(See above)
0025	Recipients Reference/Password Qualifier	— —	
	[ ] Use Mandatory		
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
0026	APPLICATION REFERENCE		(Defined in Spec 2000M A2-E page 6)
0029	PROCESSING PRIORITY CODE	—	
	[ ] Use Mandatory		(Codes as agreed between the Parties)
	[ ] To be used in certain circumstances.		(Circumstances to be defined)
0031	ACKNOWLEDGEMENT REQUEST	—	
	[ ] Use Mandatory in all Interchanges		
	[ ] Use Optional in all Interchanges		
	[ ] Not to be used		

## SPECIFICATION 2000M

0032	COMMUNICATIONS AGREEMENT ID	---..---	(Codes as agreed between the Parties)
	[ ] Use Mandatory		(Circumstances to be defined)
	[ ] To be used in certain circumstances.		
0035	TEST INDICATOR	—	(Use as defined in SPEC 2000M A2-E page 6)

**Annex C - Applicable Approved Changes**

Both parties agree that the following approved Change(s) to the selected AECMA SPEC 2000M Revision (See para 0.01 of the Interchange Agreement) will apply.

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

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## **Annex D - Communication Method and EDI Infrastructure Availability**

### **0.01 Communication Method**

The communication method(s) will be as defined within the following table:

<b>METHOD</b>	<b>YES/NO</b>	<b>REMARKS</b>
MAGNETIC TAPE		
DISKETTE		
OPTICAL DISK		
TELEX/ TELEFAX		
FILE TRANSFER		
ELECTRONIC MAIL		
VAN		
ON-LINE (INTERACTIVE)		

## SPECIFICATION 2000M

### 0.02 EDI Infrastructure Availability

The parties agree the following time Periods during which they will be able to transmit and receive Documents:

Monday - Thursday:	_____	to	_____	o'clock	(GMT)	
	and	_____	to	_____	o'clock	(GMT)
	and	_____	to	_____	o'clock	(GMT)
Friday:	_____	to	_____	o'clock	(GMT)	
	and	_____	to	_____	o'clock	(GMT)
	and	_____	to	_____	o'clock	(GMT)
Saturday:	_____	to	_____	o'clock	(GMT)	
	and	_____	to	_____	o'clock	(GMT)
	and	_____	to	_____	o'clock	(GMT)
Sunday:	_____	to	_____	o'clock	(GMT)	
	and	_____	to	_____	o'clock	(GMT)
	and	_____	to	_____	o'clock	(GMT)
Public Holiday:	_____	to	_____	o'clock	(GMT)	
	and	_____	to	_____	o'clock	(GMT)
	and	_____	to	_____	o'clock	(GMT)

Expected non-availability of the EDI-Infrastructure shall be notified at the latest \_\_\_\_\_ days before to the other party.

**APPENDIX 3**  
**MACHINE READABLE CODE**  
**(BAR CODING)**  
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**SECTION A3-1**

**GENERAL**

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## **SECTION A3-1**

### **GENERAL**

#### **1. PURPOSE**

The purpose of this Appendix is to describe the minimum requirements for bar coding to allow other data, generally stored in data bases, to become available. The introduction of machine readable code is to provide a more accurate method of exchanging information than manual keying.

Bar code technology provides an accurate, easy and inexpensive method of data storage and data entry for computerized information management systems.

The establishment of a common set of specifications provides the base on which to build specific requirements for the exchange of supply information.

#### **2. PRINCIPLES**

The Specification 2000M bar code standard is defined in NATO-Standardisation Agreement (STANAG) 4329 and should be capable of the full ASCII 3 of 9 bar code symbology.

The standard 3 of 9 bar code symbology shall be used for marking packages, containers and documents.

Print and read quality shall conform to Specification 2000M.

A bar code shall have a human readable interpretation, either above or below the printed bar symbols.

Methods and equipment for scanning bar code symbols are not included in Specification 2000M. Each user shall decide his equipment.

#### **3. PROCESS**

In order for Customers to utilize automated processes in their receiving functions, Contractors are to provide 3 of 9 bar coding on the delivery documentation, the case label and the item tags for a shipment of components. If multiple items are contained in one box, there will be a tag for each item within the box and one case label.

The bar coded Data Unit will consist of a start character (\*), the text element identifier (TEI) of the data element, a space, the data element itself and a stop character (\*).

An example is given in Section A3-2.

## SPECIFICATION 2000M

### 4. DATA UNITS TO BE BAR CODED

#### 4.1 On the Item Tag

Text Element Identifier	Data Element Name	Remarks
NSN or	NATO STOCK NUMBER	if available
PNR and MFU	PART NUMBER	if NSN is <b>not</b> available
	NATO SUPPLY CODE FOR MANUFACTURERS/UNC	
UOI	UNIT OF ISSUE	
QTY	QUANTITY	this is the quantity in the package

#### 4.2 On the Case Label

Text Element Identifier	Data Element Name	Remarks
CNO	CASE NUMBER	in full
COU	CONTRACTOR/UNC	using the code to identify the CONTRACTOR/UNC or
or		
CUU	CUSTOMER/UNC	the CUSTOMER/UNC

#### 4.3 On the Delivery Documentation

Text Element Identifier	Data Element Name	Remarks
DIU	DELIVERY AND INSPECTION NOTE NUMBER/ORT/UNC	

SECTION A3-2

EXAMPLE

CONTENTS

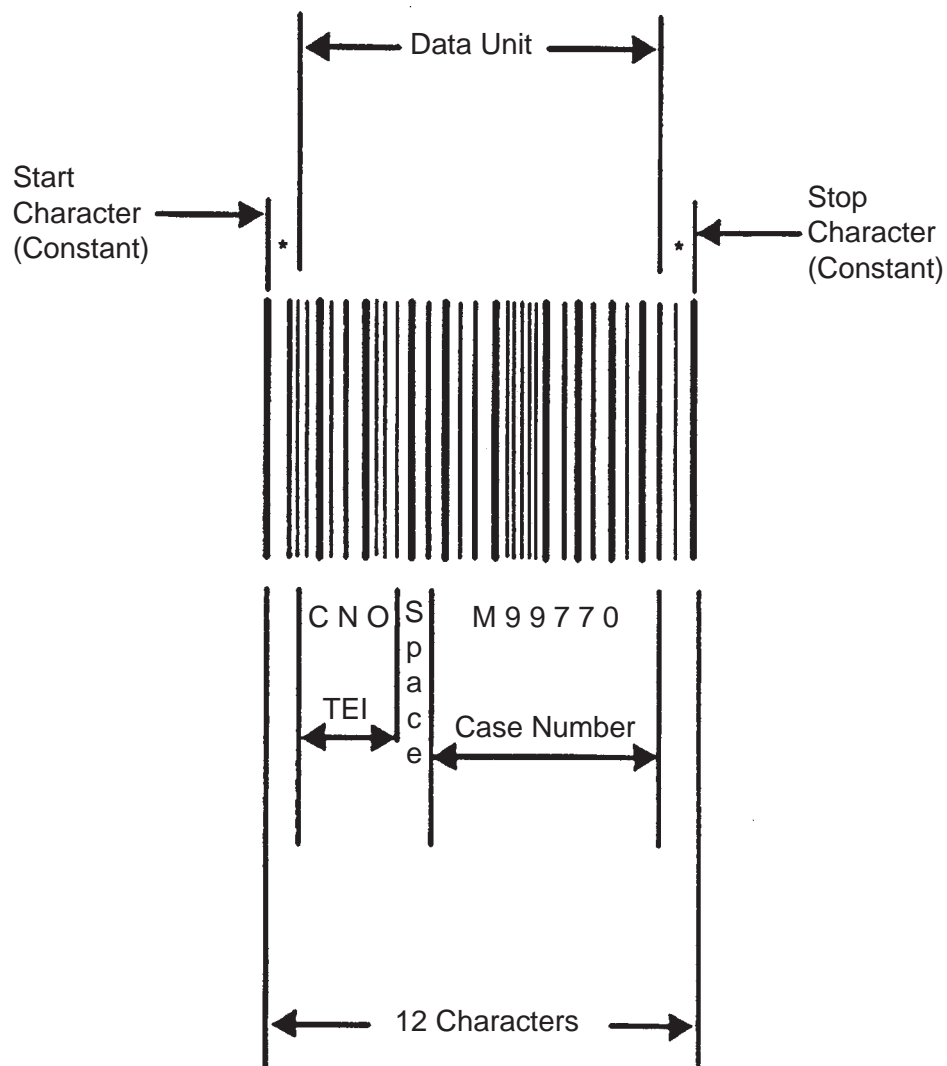
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## SECTION A3-2

### 1. OUTPUT EXAMPLE

Example of bar coded Case Number with text element identifier (TEI).





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**APPENDIX 4**

**DEFINITIONS AND ABBREVIATIONS**

will be issued later

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