EDIFICE

The European B2B Forum for the Electronics Industry

EDIFICE Message Implementation Guideline
Traditional Purchase Order

ORDERS Issue EDPO06

Endorsed 15 June 2005

Based on UN/EDIFACT D.97A ORDERS Message

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COMPARISON TO PREVIOUS ISSUE

Issue EDPO06 of 1 June 2005:
- Upgrade to UN/EDIFACT Code list D.04B
Replacement of EDIFICE codes with standard codes.
- SG13 - PAC - DE 7065:
  'CN' Container replaced with 'CN' Container, not otherwise specified as transport equipment
  'PE' Pallet replaced with 'PX' Pallet

12 May 2004 : EDIFIX 5.0 Technical Upgrade
- The 'KMT' qualifier in SEG QTY and PRI DE 6411 is now defined as (*) EDIFICE code. UN/ECE Recommendation 20 specifies 'KTM' as qualifier for 'kilometre'.

21 May 2003: EDIFIX 4.2 Technical upgrade; review and correction of examples

Issue EDPO05 of 13 November 2002 is based on UN/EDIFACT D97.A / Code List D01.A
- Addition of the following code value:
     SG28, LIN segment, CO C212, DE 7143 code 'SRV' EAN.UCC Global Trade Item Number
     SG28, PIA segment, CO C212, DE 7143 code 'SRV' EAN.UCC Global Trade Item Number

Issue EDPO04 of 29 May 2002 : addition of recommended list of DTM qualifiers

Issue EDPO04 of 14 June 2000 : Addition of qualifiers in NAD on header and detail level to allow specification of the end-customer identification for pricing reasons, or the ultimate destination partner.
Addition of the following code values:
   SG2, NAD segment, DE 3035, codes   'MA' Party for whom item is ultimately intended
                                   'PC' Actual purchaser's customer
   SG39, NAD segment, DE 3035, as above
   SG39, NAD segment, DE 3055, codes '9' EAN (International Article Numbering
                association)
                '16' DUNS (Dun & Bradstreet)
                '91' Assigned by seller or seller's agent
                '92' Assigned by buyer or buyer's agent

Issue EDPO04 includes the changes that have been made to the issue 3 of the Purchase Order document endorsed by the EDIFICE Plenary on 13 April 1994. The changes are as follows:

- Recast from the 92.1 version of the UN/EDIFACT directory to the D.97A version,

- Addition of the following code values:
   all NAD segments, DE 3055, code '16' DUNS (Dun & Bradstreet)
   all TAX segments, DE 5305, code 'AA' Lower rate
   SG1, RFF segment, DE 1153, code 'BO' Blanket order number
   SG3, RFF segment, DE 1153, code 'GN' Government reference number
   SG5, COM segment, DE 3155, code 'EM' Electronic mail
   SG10, TDT segment, CO C040, DE 3055, codes '3' IATA (International Air Transport
                          Association)
                 '9' EAN (International Article Numbering
                   association)
                 '11' Lloyd's register of shipping
                 '16' DUNS (Dun & Bradstreet)
                 '91' Assigned by seller or seller's agent
                 '92' Assigned by buyer or buyer's agent
                 '166' US, National Motor Freight
                   Classification Association
   SG12, TOD segment, DE 4215, codes 'CC' Collect
                 'PP' Prepaid (by seller)
   SG12, LOC segment, CO C517, DE 3055, codes '3' IATA (International Air Transport
                     Association)
                 '91' Assigned by seller or seller's
                   agent
                 '92' Assigned by buyer or buyer's
                   agent
   SG28, LIN segment, DE 7143, codes 'DI' Distributor's part number
                 'MF' Manufacturer's (producer's) article number and
                 'UP' UPC (Universal product code)
   SG28, LIN segment, DE 3055, codes '89' Assigned by distributor
                 '90' Assigned by manufacturer and
                 '113' US, UCC (Uniform Code Council)
   SG28, PIA segment, DE 7143, codes 'AA' Product version number

'CL' Color number
                              'DI' Distributor's part number
                              'MF' Manufacturer's (producer's) article number
                              'MN' Model number
                              'SN' Serial number and
                              'UP' UPC (Universal product code)
        SG28, PIA segment, DE 3055, codes '89' Assigned by distributor
                              '90' Assigned by manufacturer and
                              '113' US, UCC (Uniform Code Council)
        SG28, IMD segment, DE 7077, code 'C' Code (from industry code list)
        SG28, IMD segment, DE 7081, code '26' Ship to line
        SG32, PRI segment, DE 5375, code 'CP' Current price
        SG33, RFF segment, DE 1153, code 'BO' Blanket order number
        SG34, PAC segment, CO C202, DE 3055, code '116' US, ANSI ASC X12
        SG39, NAD segment, DE 3035, code 'MF' Manufacturer of goods,

- Addition of the following segment groups/segment:
    SG21
    SG44
    SG45
    SG53, RFF segment,

- Replacement of the following segment:
    SG34, MEA segment to QTY segment,

- Replacement of the following codes:
    all TAX segments, code 'WUS' to 'VAT' Vat added tax
    SG8, PAT segment, CO C112, DE 2151, code 'D' to 'CD' Calendar day (includes weekends and
                                  holidays)
    SG10, TDT segment, DE 8067, code '10' to '1' Maritime transport
                        code '20' to '2' Rail transport
                        code '30' to '3' Road transport
                        code '40' to '4' Air transport
                        code '50' to '5' (same value)
                        code '60' to '6' Multimodal transport,

- Deletion of the following code values:
    SG5, COM segment, DE 3155, code 'TL' Telex
    SG28, PIA segment, DE 7143, code 'CCM' COCOM list number,

- Usage changed for the following segment groups/segments/data elements:
    all FTX segments, CO C107, X to A
    all FTX segments, CO C108, R to D
    SG3, D1 to D..2
    SG5, O1 to O..2
    SG5, COM segment, A..3 to O..3
    SG5, CTA segment, CO C056, DE 3412, A to D
    SG10, TDT segment, CO C040, DE 3055, X to A
    SG12, TOD segment, DE 4215, X to O
    SG12, TOD segment, DE 1131, X to D
    SG12, TOD segment, DE 3055, X to D
    SG12, LOC segment, CO C517, DE 3225, A to R
    SG12, LOC segment, CO C517, DE 1131, X to D
    SG12, LOC segment, CO C517, DE 3055, X to D
    SG12, LOC segment, CO C517, DE 3224, D to N
    SG13, PAC segment, CO C202, DE 1131, X to D
    SG13, PAC segment, CO C202, DE 3055, X to D
    SG19, ALC segment, CO C552, DE 1230, R to D
    SG19, ALC segment, CO C552, DE 5189, X to D
    SG19, ALC segment, DE 1227, X to D
    SG28, LIN segment, CO C212, R to A
    SG28, IMD segment, DE 7081, D to O
    SG28, IMD segment, CO C273, DE 7009, X to A
    SG28, IMD segment, CO C273, DE 7008, R to D
    SG34, O1 to D1
    SG34, PAC segment, CO C202, DE 3055, X to D
    SG39, O1 to O..2
    SG39, NAD segment, CO C082 X to D
    SG41, R..2 to D..2
    SG43, D..10 to O..10
    SG43, ALC segment, CO C552, DE 1230, R to D
    SG43, ALC segment, CO C552, DE 5189, X to D
    SG44, R1 to D1,

- Where UN/ECE Recommendations are referenced the most commonly used codes have been
  identified,

- Alignment of segments and composite data elements to ensure conformance (data
  harmonization) across all EDIFICE Implementation Guidelines,

- Update of the REFERENCES and EXPLANATORY NOTES section to comply with the
  EDIFICE Standards for Documentation of Message Implementation Guidelines issue 3,

- Update of examples,

- Documentation adjustments resulting from the use of GEFEG's EdiFix Message
  Implementation Guidelines documentation tool,

- Correction of typographical errors.

EDIFICE FUNCTIONAL DEFINITION

Introduction

It is advised to read the functional definition and study the message guideline examples thoroughly before implementing any of the three messages.

EDIFICE provides three interrelated messages for the purchase ordering process: The Purchase Order (ORDERS), the Purchase Order Change Request (ORDCHG) and the Purchase Order Response (ORDRSP). Together they are used to form a purchase order cycle.

This usage has been created with the intention of satisfying about eighty percent of the electronics industry EDI ordering requirements. It is a 'core' set of segments for the order transaction. During the development of this document it has been recognised that there are further requirements that are special to certain areas of the electronics industry. These requirements will need to be considered under a separate document.

EDI Business Architecture for the Order cycle

The traditional order cycle caters for the ordering of materials and/or services under a business or commercial agreement. It is assumed that this agreement defines all standard, basic trading terms and conditions as agreed between the two parties. As such, all three messages used in the traditional order cycle always constitute a business transaction under this agreement, to which they will refer for basic terms and conditions.

Buyer calculates requirements and places purchase orders, based upon agreed standard product and pricing info, or upon Request for Quote/Quotes.
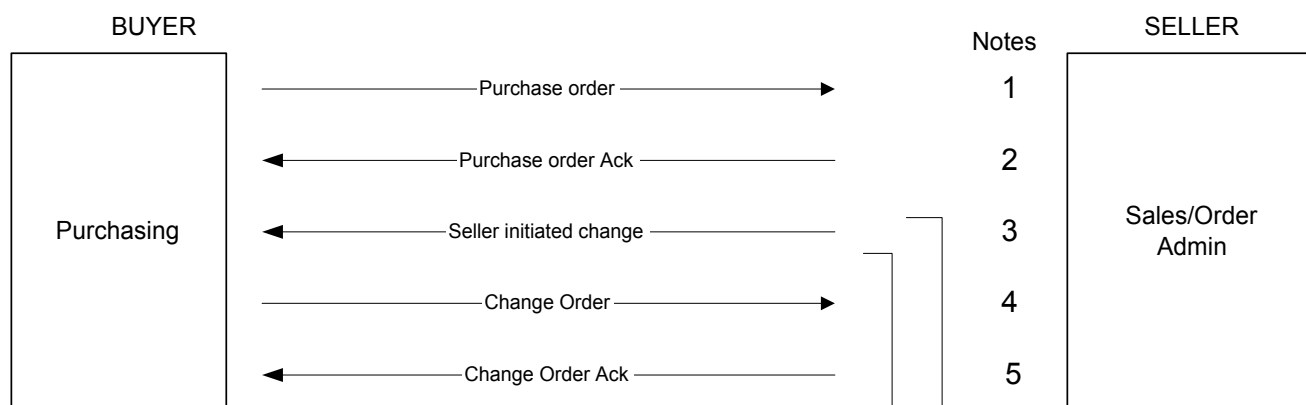
1 Buyer generates (stand-alone) Purchase Order using ORDERS.

2 Seller responds with Order Response using ORDRSP.

3 Seller-initiated changes done via Order Response using ORDRSP.

4A Change Orders issued from buyer to convey buyer-initiated changes using ORDCHG.

4B Change Orders issued from buyer to notify seller of non-acceptance of seller-initiated changes using ORDCHG (exception process).

4C Change Orders issued from buyer to notify seller of acceptance of seller-initiated changes using ORDCHG (option)

5A Seller acknowledges Buyer-Initiated Change Orders via Order Response using ORDRSP. This ends the loop.

5B Seller acknowledges Change Orders issued by Buyer, as a result of Seller-initiated changes using ORDRSP. This ends the loop.

Order Cycle Principles

- The original Purchase Order should refer to a business or commercial agreement. Any subsequent message to the original Purchase Order should refer to the original Purchase Order. In doing so, reference to the business or commercial agreement for the business transaction is given indirectly. Therefore, no reference to the contract or quote agreement needs to be specified in Purchase Order Change Requests or Purchase Order Responses following the Purchase Order unless a Purchase Order Change Request is issued to add line items to the Purchase Order.

- If references to more than one contract/quote exist in the same order cycle, an overall agreement applicable to all contracts/quotes involved regarding payment terms, terms of delivery (i.e. data at header level) is needed between the business partners, as this information cannot be conveyed per contract/quote in the EDI message.

- It is recommended to exclude all information that could be previously agreed in a business or commercial agreement from the EDI messages.
Examples thereof are TAX, PAT, PCD, TDT, TOD and LOC. Use these segments only if the information needs to be conveyed at the time of ordering.

- One item number (Product Number) agreed to be the primary reference number between the buyer and the seller should be used to identify the item being ordered. Only if a service is ordered for which no code identification exists, may the primary reference be replaced by an item description.

- To identify the individual items being ordered (SG28), the combination of the Buyer's original Document Number (BGM DE1004) and the Buyer's original line number (RFF in SG33 DE1156) will normally be used. Any other means of identification must be agreed upon by the trading partners in the Trading Partner Agreement.

- All information related to purchased goods or services must be specified at the line item level, to avoid any ambiguity. Thus each line item can be treated as an order.

- It is strongly advised not to take minor corrective actions or changes via EDI. One of the objectives of EDI is to provide good data. Should bad data be transmitted or should a change request occur for administrative data in the Header section, then corrective action would normally take place via other means than EDI.

- The use of free text in the messages is highly discouraged.

- Business partners must agree either to send contract/quote information at header level or at line level, all through the order cycle. It is recommended to have these references at the header level for simplicity of processing.

In order to keep the interrelation between the three messages unambiguous, a couple of key definitions and basic assumptions in the information flow need to be clarified.

- If a Purchase Order has more than one line item, it has to be considered as a collection of one line item Purchase Orders being identified by the Purchase Order number and the line item number. Each line item therefore has its own life cycle.

- Each transmitted message in the order cycle must have a unique document number in BGM DE 1004.

EDIFICE recommends to keep all references to preceding messages (except for the reference to the original Purchase Order) at detail level in the RFF segment in SG33. Only if mutually agreed between trading partners and if these references are the same for all line items they may be given at header level in the RFF segment in SG1 and not at the detail level.

Purchase Order Change Request

The Purchase Order Change Request is issued to:

- Request a modification of a previously sent Purchase Order,
- Request a modification of previously sent Purchase Order Change Request/Requests,
- Respond to amendments as proposed in one or many previously sent Purchase Order Response/Responses by the seller,
- State acceptance to amendments as proposed in one or many previously sent Purchase Order Response/Responses by the seller.

A change may NOT be requested on:

- Following information in the Header section: Original Purchase Order number, Currency and the identification of buyer and seller. These changes may only be requested by deleting the line items of the referenced message and placing a new order. Deletion of one, many or all line items involved in a transaction is indicated in LIN, DE 1229, for each separate line item using the value '2' (deleted).
- Those data elements which identify the individual items being ordered (RFF in SG33). These changes may only be requested by deleting the referenced line item and adding a new one.
- The information which identifies the item ordered (LIN DE 7140).

A Purchase Order Change Request must always refer to the original Purchase Order at Header level. Furthermore, the last received Purchase Order Response proposing a change to a line item by the seller or the last transmitted Purchase Order Change Request requesting amendments to a line item by the buyer should be referenced at Detail level for the line item concerned (if any). Only if mutually agreed between trading partners and if these references are the same for all line items they may be given at header level in the RFF segment in SG1 and not at the detail level.

The following data must be transmitted:

- Those required to identify the individual items being ordered (RFF in SG33).
- All segments below the LIN segment, when there is a proposed change in one of them.

It is up to the trading partners to decide whether to transmit the entire detail section (including those line items which have not been changed) or only those line items which have changed.

Trading partners may by mutual agreement decide to make the sending of "scheduling conditions (SCC/QTY/DTM) as it was BEFORE the now transmitted message" optional if the information is not needed in their business relationship.

A single segment group SCC must always precede a single SG52, except when there is a request to split the previous schedule. It is recommended to send the previous schedules before the current schedules, either on a one to one basis or grouped together. This must be previously agreed by the trading partners.

It is also up to the trading partners to agree whether quantities previously ordered and received are included in the QTY segments of SG52.

Any change request on information open for change in the header section will automatically apply to the whole original purchase order.

When a line item in the Purchase Order Change Request is sent as "deleted", "not found" or "not amended" by means of the appropriate code for DE 1229 of the LIN segment, no underlying segments of the LIN need to be transmitted except for the RFF segments specifying the original Purchase Order line number and the preceding message document number (if any). If information in the underlying segment is transmitted, all relevant underlying segments must be transmitted.

<u>Purchase Order Response</u>

A Purchase Order Response is issued to:

- State acceptance to the conditions set out in the Purchase Order or Purchase Order Change Request/Requests as requested by the buyer.
- Propose a modification of the previously received Purchase Order
- Propose a modification of previously received Purchase Order Change Request/Requests

Any change request conveyed in an ORDRSP by the seller is to be considered as a proposal.

In case of non-acceptance by the seller, the Purchase Order Response may not propose changes to:

- The Header section except for SG19 (Allowance or charge) of the referenced message. These may only be proposed by not accepting the line items of the referenced message. Non-acceptance of one, many or all line items involved in the transaction is indicated in LIN, DE 1229 for each separate line item using the value '7' (Not accepted).
- Those data elements which identify the individual items being ordered (RFF in SG33).
- The information which identifies the item ordered (LIN DE 7140).

A Purchase Order Response must always refer to the original Purchase Order at Header level. Furthermore, the last received Purchase Order Change Request requesting amendments to a line item by the buyer should be referenced at Detail level for the line item concerned (if any). Only if mutually agreed between trading partners and if these references are the same for all line items they may be given at header level in the RFF segment in SG1 and not at the detail level.

Note that a Purchase Order Response never references the last transmitted Purchase Order Response for the line item in question. The Purchase Order Response is always sent in response to the last received message from the buyer.

The following data must be transmitted:

- That required to identify the individual items being ordered (RFF in SG33).
- All segments below the LIN segment, when there is a proposed change in one of them.

Acknowledgement, confirmation and proposed amendments may be mixed within the message using the appropriate code in LIN.

It is up to the trading partners to decide whether to transmit the entire detail section (including those line items which have not been acted upon) or only those line items which have been acted upon.

Trading partners may by mutual agreement decide to make the sending of "scheduling conditions (SCC/QTY/DTM) as it was BEFORE the now transmitted message" optional if the information is not needed in their business relationship.

A single segment group SCC must always precede a single SG52, except when there is a proposal to split the previous schedule. It is recommended to send the requested schedules before the proposed schedules, either on a one to one basis or grouped together. This must be previously agreed by the trading partners.

It is also up to the trading partners to agree whether quantities previously ordered and received are included in the QTY segments of SG52.

A proposed change to SG19 (Allowance or charge) will automatically apply to the whole purchase order.

When a line item in the Purchase Order Response is acknowledged as "no action", "accepted without amendment", "not accepted", "deleted" or "not found", by means of the appropriate code for DE 1229 of the LIN segment, no underlying segments of the referenced LIN need to be transmitted except for the RFF segments specifying the original Purchase Order line number and the preceding message from the buyer, i.e. preceding Purchase Order Change Request document number (if any). If information in the underlying segments is transmitted, all relevant underlying segments must be transmitted.

<u>Structure of references and scheduling conditions</u>

(for further clarification, see Example 4)

The three messages involved in the purchase order cycle interact at line item level. For example, an original Purchase Order or a Purchase Order Change Request with multiple line items may be responded to with several different Purchase Order Responses. Each one of the Responses may contain responses to one or many of the requested line items of the original Purchase Order or Purchase Order Change Request. Accordingly, a Purchase Order Change Request may contain amendments to one or many line items of a previously transmitted Purchase Order, Purchase Order Change Request or received Purchase Order Response.

Also, the line items that are being responded to in a Purchase Order Response may originate from a Purchase Order or from several Purchase Order Change Requests or from both the original Purchase Order and one or many previous Purchase Order Change Requests. The line items that are being amended in a Purchase Order Change Request may, according to the same principle, originate from several different preceding messages.

Basically, there is an interrelated mechanism in the messages which enable the interaction at line item level: the reference to the previously sent message at line item level, which automatically gives the reference to the previously communicated scheduling conditions for the line item in question.

- ORDERS
  ```
  BGM            :    purchase order number
  RFF (SG1)      :    contract/quote information
  RFF (SG33)     :    line number
  QTY (SG54)     :    ordered quantity
  DTM (SG54)     :    requested delivery/shipment date
  ```

- ORDRSP
  ```
       BGM            :    purchase order response number
       RFF (SG1)      :    purchase order number
       RFF (SG31)     :    line number
       RFF (SG31)     :    preceding Purchase Order Change document number for this line item
  a)   QTY (SG52)     :    ordered quantity
       DTM (SG52)     :    requested delivery/shipment date
  b)   QTY (SG52)     :    quantity to be delivered
       DTM (SG52)     :    schedule delivery/shipment date
  ```

- ORDCHG
  ```
       BGM            :    purchase order change request number
       RFF (SG1)      :    purchase order number
       RFF (SG31)     :    line number
       RFF (SG31)     :    preceding message document number for this line item (Purchase Order
                           Change or Purchase Order Response)
  a)   QTY (SG52)     :    previous order quantity
       DTM (SG52)     :    superseded date
  b)   QTY (SG52)     :    proposed new order quantity
       DTM (SG52)     :    schedule delivery/shipment date
  ```

Any subsequent Purchase Order Change or Purchase Order Response to the original order should include
a)   the scheduling conditions (QTY/DTM) as they were BEFORE the now transmitted message, if agreed by the
        trading partners,
        and
b)   the new proposed/requested scheduling conditions except where SG52 is used for positioning or where a line
        item is being added (see message details for further explanation).

The situation a) is always retrieved from the preceding message for the line item in question.

The preceding message for the line item is always referenced in the RFF segment in SG31.

The original Purchase Order for the line item (and for all line items in the same subsequent message) is always referenced in the RFF segment in SG1.

If no preceding message exists other than the original Purchase Order, there will be no reference in SG31 except for the line number reference. If this is the case, situation a) should be retrieved from the original Purchase Order.

For each line item, there can only be one reference to the preceding message at line item level as there can only ever be one preceding message for that line item.

Identified timing problem:

A mismatch in the referencing mechanism might appear if the buyer and the seller transmit messages involving the same line item/items at the same time. It is up to the business partners to agree on how to handle the situation if it should occur.

REFERENCES

Refer to the document : Reference list for the EDIFICE message guidelines – Issue 1

EXPLANATORY NOTES

Refer to the document : Explanatory notes for the EDIFICE message guidelines – Issue 1

MESSAGE STRUCTURE CHART

```
        UNH     MESSAGE HEADER                          M 1
        BGM     BEGINNING OF MESSAGE                    M 1
        DTM     DATE/TIME/PERIOD                        M 1
        FTX     FREE TEXT                               O 1
      ┌─SG1                                             A..3
      │ RFF     REFERENCE                               M 1
      └─DTM     DATE/TIME/PERIOD                        D 1
      ┌─SG2                                             R..8
      │ NAD     NAME AND ADDRESS                        M 1
    ┌─SG3                                               D..2
    └─RFF       REFERENCE                               M 1
    ┌─SG5                                               O..2
    │ CTA       CONTACT INFORMATION                     M 1
    └─COM       COMMUNICATION CONTACT                   O..3
    ┌─SG6                                               D 1
    └─TAX       DUTY/TAX/FEE DETAILS                    M 1
    ┌─SG7                                               D 1
    └─CUX       CURRENCIES                              M 1
    ┌─SG8                                               O 1
    │ PAT       PAYMENT TERMS BASIS                     M 1
    └─PCD       PERCENTAGE DETAILS                      D 1
    ┌─SG10                                              O 1
    └─TDT       DETAILS OF TRANSPORT                    M 1
    ┌─SG12                                              O 1
    │ TOD       TERMS OF DELIVERY OR TRANSPORT          M 1
    └─LOC       PLACE/LOCATION IDENTIFICATION           D 1
    ┌─SG13                                              O 1
    │ PAC       PACKAGE                                 M 1
    ┌─SG14                                              O 1
    └─PCI       PACKAGE IDENTIFICATION                  M 1
    ┌─SG19                                              O..10
    │ ALC       ALLOWANCE OR CHARGE                     M 1
    ┌─SG21                                              D 1
    └─PCD       PERCENTAGE DETAILS                      M 1
    ┌─SG22                                              D 1
    └─MOA       MONETARY AMOUNT                         M 1
    ┌─SG24                                              D 1
    └─TAX       DUTY/TAX/FEE DETAILS                    M 1
    ┌─SG28                                              R..9999
    │ LIN       LINE ITEM                               M 1
    │ PIA       ADDITIONAL PRODUCT ID                   D..10
    │ IMD       ITEM DESCRIPTION                        D 1
    │ OTY       OUANTITY                                R 1
    │ ALI       ADDITIONAL INFORMATION                  O 1
    │ FTX       FREE TEXT                               O 1
    ┌─SG32                                              A 1
    └─PRI       PRICE DETAILS                           M 1
    ┌─SG33                                              R..5
    │ RFF       REFERENCE                               M 1
    └─DTM       DATE/TIME/PERIOD                        D 1
    ┌─SG34                                              D 1
    │ PAC       PACKAGE                                 M 1
    │ OTY       OUANTITY                                O 1
    ┌─SG36                                              O 1
    └─PCI       PACKAGE IDENTIFICATION                  M 1
    ┌─SG38                                              D 1
    └─TAX       DUTY/TAX/FEE DETAILS                    M 1
    ┌─SG39                                              O..4
```

NAD	NAME AND ADDRESS	M 1	
SG41		D ..2	
DOC	DOCUMENT/MESSAGE DETAILS	M 1	
SG43		O ..10	
ALC	ALLOWANCE OR CHARGE	M 1	
SG44		D 1	
QTY	QUANTITY	M 1	
SG45		D 1	
PCD	PERCENTAGE DETAILS	M 1	
SG46		D 1	
MOA	MONETARY AMOUNT	M 1	
SG48		D 1	
TAX	DUTY/TAX/FEE DETAILS	M 1	
SG53		R ..100	
SCC	SCHEDULING CONDITIONS	M 1	
RFF	REFERENCE	D 1	
SG54		R 1	
QTY	QUANTITY	M 1	
DTM	DATE/TIME/PERIOD	R 1	
UNS	SECTION CONTROL	M 1	
UNT	MESSAGE TRAILER	M 1	

BRANCHING DIAGRAM

```
0    ┌─1─┐                                                                      ┌─3─┐
     └───┴──────┬──────────┬────────────────┬────────────────────────────      └───┘

1          ┌──────┐   ┌──────┐            ┌──────┐
           │ SG13 │   │ SG19 │            │ SG28 │
           ├─┬────┤   ├─┬────┤            ├─┬────┤
           │O│ 1  │   │O│ ..10│           │R│..9999│
           ├─┴────┤   ├─┴────┤            ├─┴────┤
           │ PAC  │   │ ALC  │            │ LIN  │
           ├─┬────┤   ├─┬────┤            ├─┬────┤
           │M│ 1  │   │M│ 1  │            │M│ 1  │                              ┌─2─┐
           └──────┘   └──────┘            └──────┘                             └───┘

2      ┌──────┐  ┌──────┐ ┌──────┐ ┌──────┐  ┌──────┐ ┌──────┐ ┌──────┐ ┌──────┐ ┌──────┐  ┌──────┐ ┌──────┐
       │ SG14 │  │ SG21 │ │ SG22 │ │ SG24 │  │ PIA  │ │ IMD  │ │ QTY  │ │ ALI  │ │ FTX  │  │ SG32 │ │ SG33 │
       ├─┬────┤  ├─┬────┤ ├─┬────┤ ├─┬────┤  ├─┬────┤ ├─┬────┤ ├─┬────┤ ├─┬────┤ ├─┬────┤  ├─┬────┤ ├─┬────┤
       │O│ 1  │  │D│ 1  │ │D│ 1  │ │D│ 1  │  │D│..10│ │D│ 1  │ │R│ 1  │ │O│ 1  │ │O│ 1  │  │A│ 1  │ │R│ ..5│
       ├─┴────┤  ├─┴────┤ ├─┴────┤ ├─┴────┤  └──────┘ └──────┘ └──────┘ └──────┘ └──────┘  ├─┴────┤ ├─┴────┤
       │ PCI  │  │ PCD  │ │ MOA  │ │ TAX  │                                                │ PRI  │ │ RFF  │
       ├─┬────┤  ├─┬────┤ ├─┬────┤ ├─┬────┤                                                ├─┬────┤ ├─┬────┤
       │M│ 1  │  │M│ 1  │ │M│ 1  │ │M│ 1  │                                                │M│ 1  │ │M│ 1  │
       └──────┘  └──────┘ └──────┘ └──────┘                                                └──────┘ └──────┘

3                                                                                                   ┌──────┐
                                                                                                    │ DTM  │
                                                                                                    ├─┬────┤
                                                                                                    │D│ 1  │
                                                                                                    └──────┘
```

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2

     SG34              SG38      SG39      SG43                                      SG53
  D    1            D   1     O   ..4    O   ..10                                 R   ..100
    PAC               TAX       NAD       ALC                                       SCC
  M    1            M   1     M   1     M   1                                     M    1

              SG36                     SG41      SG44      SG45      SG46      SG48            SG54
           O   1                    D   ..2    D   1     D   1     D   1     D   1          R   1
    QTY       PCI                      DOC       QTY       PCD       MOA       TAX     RFF     QTY
  O   1     M   1                    M   1     M   1     M   1     M   1     M   1   D   1   M   1

                                                                                              DTM
                                                                                           R   1
```

0

3		

UNS	UNT
M 1	M 1
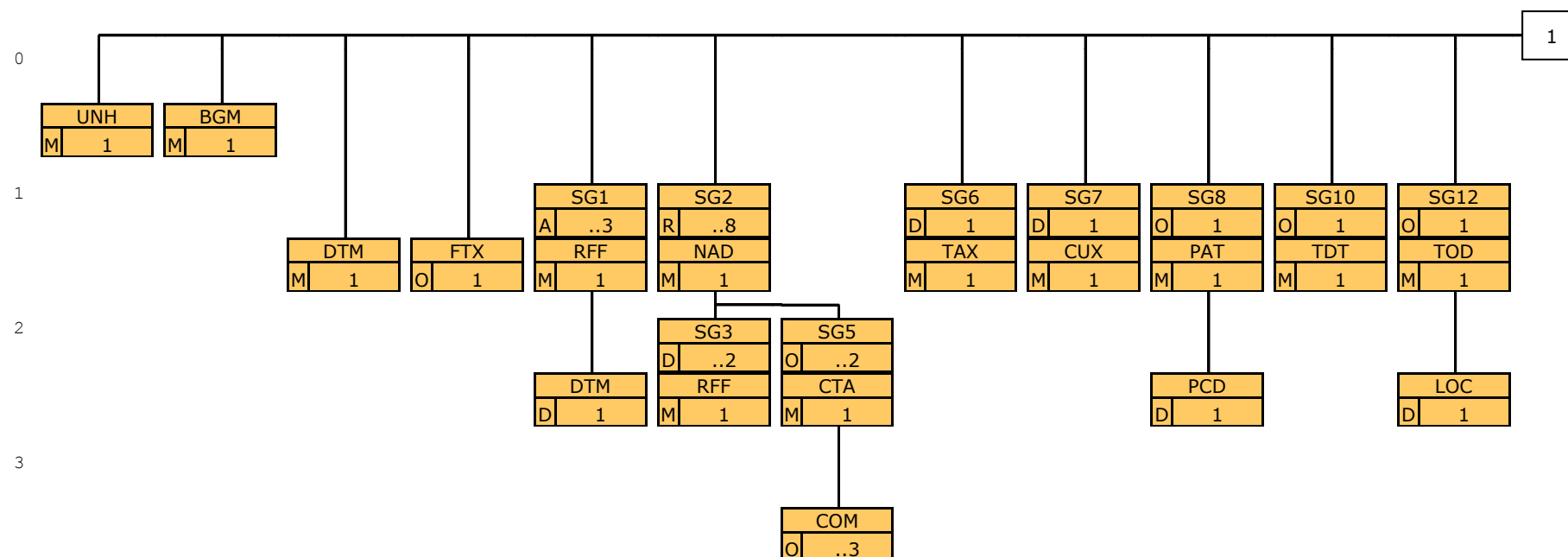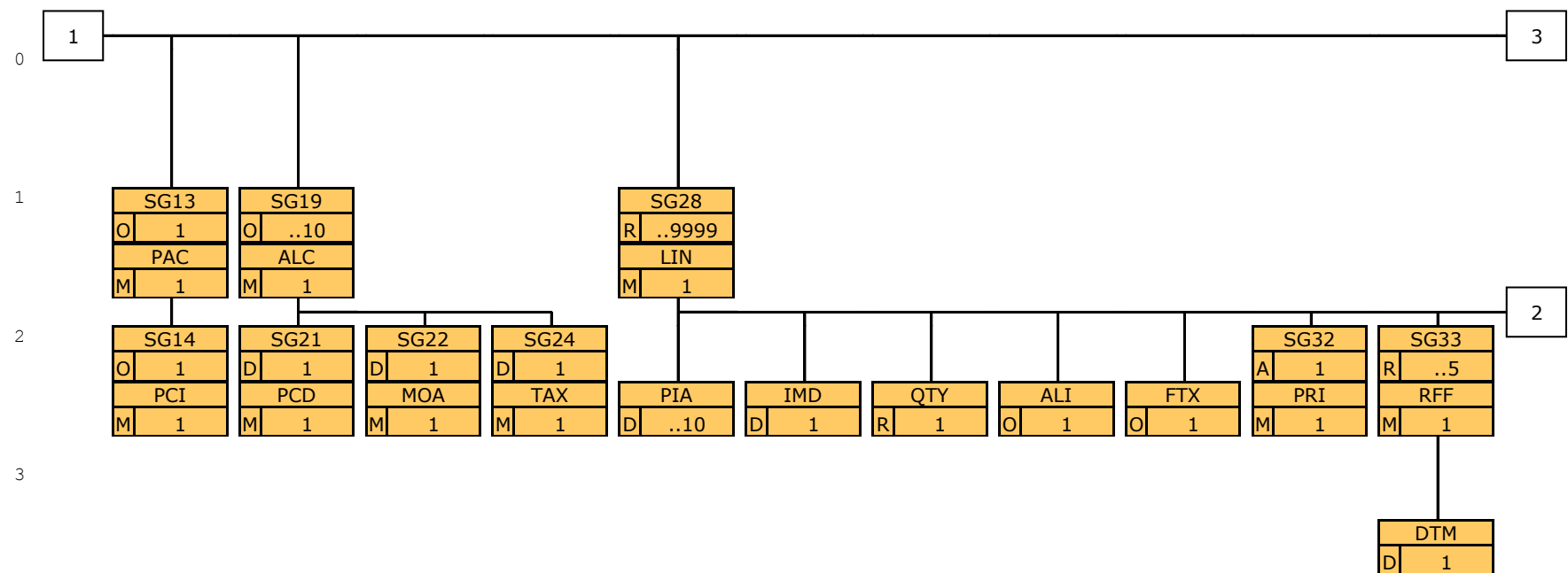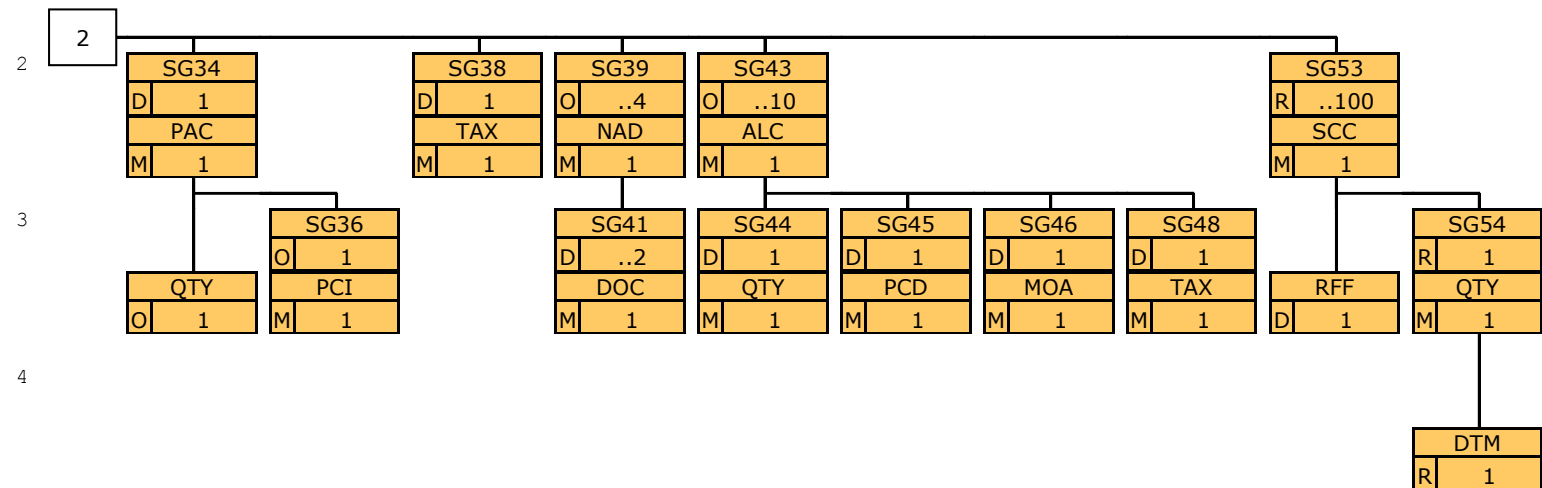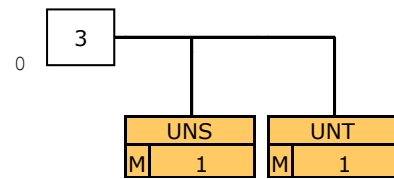
SEGMENT GROUPS/SEGMENTS DESCRIPTION

UNH   MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.
Usage: M1

BGM   BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage: M1

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of creation of the message.
Usage: M1

FTX   FREE TEXT

Function: A segment providing free form or coded text information, applicable to the whole message.
Usage: O1

SG1   RFF-DTM

Function: A group of segments referencing documents and their dates, relating to the whole message.
Usage: A..3
Notes: One RFF segment specifying contract information should be present, preferably at header level. If this
            information is given at detail level, it must not appear here.
            The DTM segment must be sent where local law requires the date of a reference document to be sent.

RFF   REFERENCE

Function: A segment specifying a document reference number.
Usage: M1

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of the reference document.
Usage: D1

SG2   NAD-SG3-SG5

Function: A group of segments identifying the parties involved and their associated information, relevant to the
            whole
            message.
Usage: R..8
Notes: The NAD segments that identify the buyer and seller must be present.
            SG3 is used if EC regulations and/or country law requires reference numbers to be sent.

NAD   NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage: M1

SG3   RFF

Function: A group of segments giving references relating to the identified buying party involved.
Usage: D..2
Notes:

RFF   REFERENCE

Function: A segment specifying a company specific reference.
Usage: M1

SG5   CTA-COM

Function: A group of segments giving contact details of the specific person or department within the identified buying party involved, to whom communication should be directed.
Usage: O..2
Notes: This segment group will only be used under the NAD identifying the buyer.

CTA   CONTACT INFORMATION

Function: A segment identifying a person or department, and their function.
Usage: M1

COM   COMMUNICATION CONTACT

Function: A segment identifying a communications type and number.
Usage: O..3

SG6   TAX

Function: A group of segments specifying tax related information, applicable to the whole message.
Usage: D 1
Notes: Used if country law requires tax to be specified.

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate.
Usage: M1

SG7   CUX

Function: A group of segments specifying the currency, valid for the whole message.
Usage: D 1
Notes: The currency must be specified if prices and/or amounts are sent.

CUX   CURRENCIES

Function: A segment specifying the order currency for all prices and/or amounts.
Usage: M1

SG8   PAT-PCD

Function: A group of segments specifying the payment terms, applicable to the whole message.
Usage: O 1
Notes: Used only if the payment terms need to be conveyed at the time of ordering.
The PCD segment should only be sent if discount payment terms are specified.

PAT   PAYMENT TERMS BASIS

Function: A segment specifying the payment terms type and associated time information.
Usage: M1

PCD   PERCENTAGE DETAILS

Function: A segment specifying the discount percentage related to the payment terms.
Usage: D 1

SG10   TDT

Function: A group of segments specifying transport details.
Usage: O 1
Notes: Used only if details of transport need to be conveyed at the time of ordering.

TDT   DETAILS OF TRANSPORT

Function: A segment specifying for the main-carriage stage the mode of transport and the carrier information.
Usage: M1

SG12 TOD-LOC

Function: A group of segments indicating the terms of delivery.
Usage: O 1
Notes: Used only if terms of delivery need to be conveyed at the time of ordering.
            The LOC segment is only used if the terms of delivery ('F' & 'C') require a named location/place.

TOD TERMS OF DELIVERY OR TRANSPORT

Function: A segment specifying the transport charge method and applicable terms of delivery.
Usage: M 1

LOC PLACE/LOCATION IDENTIFICATION

Function: A segment identifying a location or place required for the terms of delivery.
Usage: D 1

SG13 PAC-SG14

Function: A group of segments identifying consignment packaging with associated information.
Usage: O 1
Notes:

PAC PACKAGE

Function: A segment specifying the type of shippable packages.
Usage: M 1

SG14 PCI

Function: A group of segments specifying the marking and labelling of the shippable packages.
Usage: O 1
Notes:

PCI PACKAGE IDENTIFICATION

Function: A segment specifying the buyer's markings and labelling instructions.
Usage: M 1

SG19 ALC-SG21-SG22-SG24

Function: A group of segments specifying allowances and/or charges and related tax information, for the whole
            message.
Usage: O..10
Notes: Allowances and/or charges at header level and line level are independent, i.e. line level does not override
            header level.
            Both may occur.
            SG21 is only used if the allowance or charge is percentage based.
            SG22 is only used if the allowance or charge is an absolute monetary amount.
            Use SG21 or SG22 but not both.
            SG24 is only used if tax or duty apply to the allowance or charge.

ALC ALLOWANCE OR CHARGE

Function: A segment specifying an allowance or charge, its settlement and calculation sequence.
Usage: M 1

SG21 PCD

Function: A group of segments specifying an allowance or charge as a percentage.
Usage: D 1
Notes:

PCD PERCENTAGE DETAILS

Function: A segment specifying an allowance or charge percentage applying to the order value.
Usage: M 1

SG22   MOA

Function:	A group of segments specifying the total monetary amount for the allowance or charge.
Usage:	D 1
Notes:	The currency of this monetary amount is determined in the header CUX segment and cannot be different here.

MOA   MONETARY AMOUNT

Function:	A segment specifying the total monetary amount.
Usage:	M 1

SG24   TAX

Function:	A group of segments specifying tax related information for the allowance or charge.
Usage:	D 1
Notes:	

TAX   DUTY/TAX/FEE DETAILS

Function:	A segment specifying Value Added Tax, category and rate.
Usage:	M 1

SG28   LIN-PIA-IMD-QTY-ALI-FTX-SG32-SG33-SG34-SG38-SG39-SG43-SG53

Function:	A group of segments providing ordering details of the individual line items i.e. ordered products or services.
Usage:	R ..9999
Notes:	The PIA segment is dependent on whether the primary reference to the line item being ordered is insufficient to identify the item.
	The IMD segment is used to provide an additional description of the primary reference to the line item being ordered. It may also be used for items that can not be identified by a code or article number.
	SG34 is used to specify any alternative packaging methods which have been agreed between trading partners.
	SG38 is used if country law requires tax to be specified.

LIN   LINE ITEM

Function:	A segment identifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
	The segment also carries a sequence number assigned to the line item within the message.
Usage:	M 1

PIA   ADDITIONAL PRODUCT ID

Function:	A segment providing additional identification numbers for the line item.
Usage:	D ..10

IMD   ITEM DESCRIPTION

Function:	A segment specifying ship to stock or ship to line quality and/or an additional description in clear or coded form, for the line item.
Usage:	D 1

QTY   QUANTITY

Function:	A segment specifying the total ordered quantity for the line item.
Usage:	R 1

ALI   ADDITIONAL INFORMATION

Function:	A segment indicating the country of origin for the line item.
Usage:	O 1

FTX   FREE TEXT

Function:	A segment providing free form or coded text information for the line item.

Usage: O 1

SG32   PRI

Function: A group of segments specifying pricing information for the line item.
Usage: A 1
Notes:

PRI   PRICE DETAILS

Function: A segment specifying the line item price and the qualifying information.
Usage: M 1

SG33   RFF-DTM

Function: A group of segments specifying references for the line item.
Usage: R ..5
Notes: The DTM segment must be sent where local law requires the date of a reference document to be sent.

RFF   REFERENCE

Function: A segment specifying the line item reference number as given by the buyer, or a document reference number.
Usage: M 1

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of the reference document.
Usage: D 1

SG34   PAC-QTY-SG36

Function: A group of segments specifying product packaging information.
Usage: D 1
Notes:

PAC   PACKAGE

Function: A segment specifying the product package type.
Usage: M 1

QTY   QUANTITY

Function: A segment specifying the number of products contained in the package type.
Usage: O 1

SG36   PCI

Function: A group of segments specifying the marking and labelling instructions for the product packages.
Usage: O 1
Notes:

PCI   PACKAGE IDENTIFICATION

Function: A segment specifying the buyer's marking and labelling instructions.
Usage: M 1

SG38   TAX

Function: A group of segments specifying tax related information for the line item.
Usage: D 1
Notes:

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate for the line item.

Usage: M1

SG39   NAD-SG41

Function: A group of segments identifying the parties involved and their associated information, for the line item.
Usage: O..4
Notes: End customer identification provided here overrides the end customer identification on header level.
            SG41 is only used when DE 3035 in NAD = 'BY'.

NAD   NAME AND ADDRESS

Function: A segment identifying the buyer as the party requesting the certificates, the manufacturer's code, the buyer
            (distributor's) end customer or the ultimate destination party, for the line item.
Usage: M1

SG41   DOC

Function: A group of segments specifying the certificates.
Usage: D..2
Notes:

DOC   DOCUMENT/MESSAGE DETAILS

Function: A segment specifying a requested certificate.
Usage: M1

SG43   ALC-SG44-SG45-SG46-SG48

Function: A group of segments specifying allowances and/or charges and related tax information for the line item.
Usage: O..10
Notes: Allowances and/or charges at header level and line level are independent, i.e. line level does not override
            header level.
            Both may occur.
            SG44 is only used if the allowance or charge is quantity related.
            SG45 is only used if the allowance or charge is percentage based.
            SG46 is only used if the allowance or charge is an absolute monetary amount.
            Use only one of SG44, SG45 and SG46.
            SG48 is only used if tax or duty apply to the allowance or charge.

ALC   ALLOWANCE OR CHARGE

Function: A segment specifying an allowance or charge, its settlement and calculation sequence.
Usage: M1

SG44   QTY

Function: A group of segments specifying quantity information for an allowance or charge.
Usage: D1
Notes:

QTY   QUANTITY

Function: A segment specifying the ordered quantity as the basis for an allowance or charge.
Usage: M1

SG45   PCD

Function: A group of segments specifying an allowance or charge as a percentage.
Usage: D1
Notes:

PCD   PERCENTAGE DETAILS

Function: A segment specifying an allowance or charge percentage.
Usage: M1

SG46   MOA

Function: A group of segments specifying the total monetary amount of the allowance or charge.
Usage: D 1
Notes: Currency of monetary amount is determined in the header CUX segment and cannot be different here.

MOA   MONETARY AMOUNT

Function: A segment specifying a monetary amount.
Usage: M 1

SG48   TAX

Function: A group of segments specifying tax related information for the allowance or charge.
Usage: D 1
Notes:

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate.
Usage: M 1

SG53   SCC-RFF-SG54

Function: A group of segments specifying firm scheduling conditions.
Usage: R ..100
Notes:

SCC   SCHEDULING CONDITIONS

Function: A segment specifying a firm delivery.
Usage: M 1

RFF   REFERENCE

Function: A segment identifying the schedule reference number as given by the buyer.
Usage: D 1

SG54   QTY-DTM

Function: A group of segments specifying the delivery dates and quantities scheduled.
Usage: R 1
Notes:

QTY   QUANTITY

Function: A segment specifying a quantity.
Usage: M 1

DTM   DATE/TIME/PERIOD

Function: A segment specifying the corresponding date of the quantity.
Usage: R 1

UNS   SECTION CONTROL

Function: A service segment separating detail and summary section.
Usage: M 1

UNT   MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage: M 1

SEGMENT DETAILS

UNH

UNH   MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.

Usage :   M1

Notes :   Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue EDSS04

Ref.	Rep.		Name		EDIFICE Utilisation
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Transmission message count from 1
S009		M	MESSAGE IDENTIFIER	M	
0065	an..6	M	Message type identifier	M	ORDERS = Purchase order message
0052	an..3	M	Message type version number	M	D = Draft version/UN/EDIFACT Directory
0054	an..3	M	Message type release number	M	97A = Release 1997 - A
0051	an..2	M	Controlling agency	M	UN = UN/CEFACT
0057	an..6	C	Association assigned code	R	EDPO06 = Traditional purchase order Issue EDPO06
0068	an..35	C	COMMON ACCESS REFERENCE	N	
S010		C	STATUS OF THE TRANSFER	N	
0070	n..2	M	Sequence message transfer number	N	
0073	a1	C	First/last sequence message transfer indication	N	

BGM   BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C002		C	DOCUMENT/MESSAGE NAME	R	
1001	an..3	C	Document/message name, coded	R	220 = Order
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
1000	an..35	C	Document/message name	N	
C106		C	DOCUMENT/MESSAGE IDENTIFICATION	R	
1004	an..35	C	Document/message number	R	Purchase order number
1056	an..9	C	Version	N	
1060	an..6	C	Revision number	N	
1225	an..3	C	MESSAGE FUNCTION, CODED	R	9 = Original 42 = Confirmation via specific means For confirmation of a purchase order already transmitted by other means
4343	an..3	C	RESPONSE TYPE, CODED	N	

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of creation of the message.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	137 = Document/message date/time
					Date when the document is created
2380	an..35	C	Date/time/period	R	Purchase order date
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD
					203 = CCYYMMDDHHMM
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone
					304 = CCYYMMDDHHMMSSZZZ
					ZZZ = Time zone
					X03 = CCYYMMDDHHMMZZZZZ (*)
					ZZZZZ = Time zone
					X04 = CCYYMMDDHHMMSSZZZZZ (*)
					ZZZZZ = Time zone
					(*) EDIFICE code

FTX   FREE TEXT

Function: A segment providing free form or coded text information, applicable to the whole message.
Usage :   O 1
Notes :   EDIFICE recommends not to use FTX segments.
            Where possible, use CO C107 rather than CO C108.

Ref.	Rep.		Name		EDIFICE Utilisation
4451	an..3	M	TEXT SUBJECT QUALIFIER	M	GEN = Entire transaction set
4453	an..3	C	TEXT FUNCTION, CODED	R	1 = Text for subsequent use
					The occurrence of this text does not affect order processing
					3 = Text for immediate use
					Text must be read before processing the order
C107		C	TEXT REFERENCE	A	
4441	an..17	M	Free text identification	M	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
C108		C	TEXT LITERAL	D	
4440	an..70	M	Free text	M	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
3453	an..3	C	LANGUAGE, CODED	N	

SG1   RFF-DTM

RFF   REFERENCE

Function: A segment specifying a document reference number.
Usage :   M1
Notes :

Ref. Rep. Name		EDIFICE Utilisation
C506 M	REFERENCE	M	
1153 an..3 M	Reference qualifier	M	AAD = Contract addendum number
			BO = Blanket order number
			CT = Contract number
			GC = Government contract number
			PR = Price quote number
1154 an..35 C	Reference number	R	
1156 an..6 C	Line number	N	
4000 an..35 C	Reference version number	N	

SG1   RFF-DTM

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of the reference document.
Usage :   D 1
Notes :

Ref. Rep. Name		EDIFICE Utilisation
C507 M DATE/TIME/PERIOD	M	
2005 an..3 M Date/time/period qualifier	M	171 = Reference date/time
2380 an..35 C Date/time/period	R	
2379 an..3 C Date/time/period format qualifier	R	102 = CCYYMMDD
		203 = CCYYMMDDHHMM
		303 = CCYYMMDDHHMMZZZ
		ZZZ = Time zone
		304 = CCYYMMDDHHMMSSZZZ
		ZZZ = Time zone
		X03 = CCYYMMDDHHMMZZZZZ (*)
		ZZZZZ = Time zone
		X04 = CCYYMMDDHHMMSSZZZZZ (*)
		ZZZZZ = Time zone
		(*) EDIFICE code

SG2   NAD-SG3-SG5

NAD   NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage :   M1
Notes :   It is advised that the party identification CO C082 be used. When CO C082 cannot be used it is
            recommended to use the structured name and address CO C080 through DE 3207 rather than the
            unstructured one CO C058.

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY QUALIFIER	M	AK = Acknowledgement recipient
					BY = Buyer
					DP = Delivery party
					FW = Freight forwarder
					IV = Invoicee
					MA = Party for whom item is ultimately intended
					PC = Actual purchaser's customer
					SE = Seller
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..35	M	Party id. identification	M	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	9 = EAN (International Article Numbering association)
					16 = DUNS (Dun & Bradstreet)
					91 = Assigned by seller or seller's agent
					92 = Assigned by buyer or buyer's agent
C058		C	NAME AND ADDRESS	D	
3124	an..35	M	Name and address line	M	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
C080		C	PARTY NAME	D	
3036	an..35	M	Party name	M	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3045	an..3	C	Party name format, coded	N	
C059		C	STREET	D	
3042	an..35	M	Street and number/p.o. box	M	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3164	an..35	C	CITY NAME	D	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	D	
3251	an..9	C	POSTCODE IDENTIFICATION	D	
3207	an..3	C	COUNTRY, CODED	D	Use ISO 3166, 2 alpha code

SG3 RFF

RFF REFERENCE

Function: A segment specifying a company specific reference.
Usage : M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	VA = VAT registration number
					GN = Government reference number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	N	
4000	an..35	C	Reference version number	N	

SG5   CTA-COM

CTA   CONTACT INFORMATION

Function: A segment identifying a person or department, and their function.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
3139	an..3	C	CONTACT FUNCTION, CODED	R	PD = Purchasing contact SC = Schedule contact
C056		C	DEPARTMENT OR EMPLOYEE DETAILS	R	If a code is available use DE 3413, otherwise use DE 3412.
3413	an..17	C	Department or employee identification	D	
3412	an..35	C	Department or employee	D	

COM

COM   COMMUNICATION CONTACT

Function: A segment identifying a communications type and number.
Usage :   O..3
Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
C076	M	COMMUNICATION CONTACT	M	
3148 an..512	M	Communication number	M	
3155 an..3	M	Communication channel qualifier	M	EM = Electronic mail
				FX = Telefax
				TE = Telephone

SG6   TAX

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate.
Usage :   M1
Notes :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY/TAX/FEE FUNCTION QUALIFIER	M	7 = Tax
C241		C	DUTY/TAX/FEE TYPE	C	
5153	an..3	C	Duty/tax/fee type, coded	R	VAT = Value added tax
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5152	an..35	C	Duty/tax/fee type	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty/tax/fee account identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5286	an..15	C	DUTY/TAX/FEE ASSESSMENT BASIS	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty/tax/fee rate identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5278	an..17	C	Duty/tax/fee rate	R	Tax rate
5273	an..12	C	Duty/tax/fee rate basis identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5305	an..3	C	DUTY/TAX/FEE CATEGORY, CODED	R	AA = Lower rate VAT at a lower rate than standard rate E = Exempt from tax S = Standard rate Z = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFICATION NUMBER	N	

SG7   CUX

CUX   CURRENCIES

Function: A segment specifying the order currency for all prices and/or amounts.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C504		C	CURRENCY DETAILS	R	
6347	an..3	M	Currency details qualifier	M	2 = Reference currency
6345	an..3	C	Currency, coded	R	Use ISO 4217, 3 alpha code
6343	an..3	C	Currency qualifier	R	9 = Order currency
6348	n..4	C	Currency rate base	N	
C504		C	CURRENCY DETAILS	N	
6347	an..3	M	Currency details qualifier	N	
6345	an..3	C	Currency, coded	N	
6343	an..3	C	Currency qualifier	N	
6348	n..4	C	Currency rate base	N	
5402	n..12	C	RATE OF EXCHANGE	N	
6341	an..3	C	CURRENCY MARKET EXCHANGE, CODED	N	

PAT   PAYMENT TERMS BASIS

Function: A segment specifying the payment terms type and associated time information.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
4279	an..3	M	PAYMENT TERMS TYPE QUALIFIER	M	1 = Basic
					22 = Discount
C110		C	PAYMENT TERMS	N	
4277	an..17	M	Terms of payment identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
4276	an..35	C	Terms of payment	N	
4276	an..35	C	Terms of payment	N	
C112		C	TERMS/TIME INFORMATION	R	
2475	an..3	M	Payment time reference, coded	M	5 = Date of invoice
					29 = Date of delivery of goods to establishments/domicile/site
2009	an..3	C	Time relation, coded	R	1 = Reference date
					2 = Before reference
					3 = After reference
2151	an..3	C	Type of period, coded	D	CD = Calendar day (includes weekends and holidays)
2152	n..3	C	Number of periods	D	Number of days

PCD   PERCENTAGE DETAILS

Function: A segment specifying the discount percentage related to the payment terms.
Usage :   D 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C501		M	PERCENTAGE DETAILS	M	
5245	an..3	M	Percentage qualifier	M	12 = Discount
5482	n..10	C	Percentage	R	Discount percentage
5249	an..3	C	Percentage basis, coded	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	

SG10   TDT

TDT   DETAILS OF TRANSPORT

Function: A segment specifying for the main-carriage stage the mode of transport and the carrier information.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
8051	an..3	M	TRANSPORT STAGE QUALIFIER	M	20 = Main-carriage transport
8028	an..17	C	CONVEYANCE REFERENCE NUMBER	N	
C220		C	MODE OF TRANSPORT	R	
8067	an..3	C	Mode of transport, coded	R	Use the following codes from UN/ECE Recommendation no.19: 1 = Maritime transport 2 = Rail transport 3 = Road transport 4 = Air transport 5 = Mail 6 = Multimodal transport
8066	an..17	C	Mode of transport	N	
C228		C	TRANSPORT MEANS	N	
8179	an..8	C	Type of means of transport identification	N	
8178	an..17	C	Type of means of transport	N	
C040		C	CARRIER	O	
3127	an..17	C	Carrier identification	C	Mutually defined code
1131	an..3	C	Code list qualifier	C	
3055	an..3	C	Code list responsible agency, coded	C	3 = IATA (International Air Transport Association) 9 = EAN (International Article Numbering association) 11 = Lloyd's register of shipping 16 = DUNS (Dun & Bradstreet) 91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent 166 = US, National Motor Freight Classification Association
3128	an..35	C	Carrier name	C	Used if no coded name is exchanged in DE 3127
8101	an..3	C	TRANSIT DIRECTION, CODED	N	
C401		C	EXCESS TRANSPORTATION INFORMATION	N	
8457	an..3	M	Excess transportation reason, coded	N	
8459	an..3	M	Excess transportation responsibility, coded	N	
7130	an..17	C	Customer authorization number	N	
C222		C	TRANSPORT IDENTIFICATION	N	
8213	an..9	C	Id. of means of transport identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
8212	an..35	C	Id. of the means of transport	N	
8453	an..3	C	Nationality of means of transport, coded	N	
8281	an..3	C	TRANSPORT OWNERSHIP, CODED	N	

SG12   TOD-LOC

TOD   TERMS OF DELIVERY OR TRANSPORT

Function: A segment specifying the transport charge method and applicable terms of delivery.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
4055	an..3	C	TERMS OF DELIVERY OR TRANSPORT FUNCTION, CODED	R	6 = Delivery condition
4215	an..3	C	TRANSPORT CHARGES METHOD OF PAYMENT, CODED	O	CC = Collect A shipment on which freight charges will be paid by the consignee PP = Prepaid (by seller)
C100		C	TERMS OF DELIVERY OR TRANSPORT	R	
4053	an..3	C	Terms of delivery or transport, coded	R	Use UN/ECE Recommendation no.5, Incoterms 1990 (see next table). Incoterms code list: Group E - Departure EXW = Ex works Group F - Main carriage unpaid FAS = Free alongside ship FCA = Free carrier FOB = Free on Board Group C - Main carriage paid CFR = Cost and freight CIF = Cost, insurance and freight CIP = Carriage and insurance paid to CPT = Carriage paid to Group D - Arrival DAF = Delivered at frontier DDP = Delivered duty paid DDU = Delivered duty unpaid DEQ = Delivered ex quay DES = Delivered ex ship If not applicable, use code from another appropriate code set in DE 4053 in combination with DE 1131/3055.
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	D	
4052	an..70	C	Terms of delivery or transport	N	
4052	an..70	C	Terms of delivery or transport	N	

SG12   TOD-LOC

LOC   PLACE/LOCATION IDENTIFICATION

Function: A segment identifying a location or place required for the terms of delivery.
Usage :   D 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
3227	an..3	M	PLACE/LOCATION QUALIFIER	M	1 = Place of terms of delivery
C517		C	LOCATION IDENTIFICATION	R	
3225	an..25	C	Place/location identification	R	Use UN/ECE Recommendation no.16, UNLOCODE. If not applicable, use codes from another appropriate code set in combination with DE 1131/3055.
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	D	Examples of codes are: 3 = IATA (International Air Transport Association) 91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
3224	an..70	C	Place/location	N	
C519		C	RELATED LOCATION ONE IDENTIFICATION	N	
3223	an..25	C	Related place/location one identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
3222	an..70	C	Related place/location one	N	
C553		C	RELATED LOCATION TWO IDENTIFICATION	N	
3233	an..25	C	Related place/location two identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
3232	an..70	C	Related place/location two	N	
5479	an..3	C	RELATION, CODED	N	

PAC   PACKAGE

Function: A segment specifying the type of shippable packages.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
7224	n..8	C	NUMBER OF PACKAGES	N	
C531		C	PACKAGING DETAILS	N	
7075	an..3	C	Packaging level, coded	N	
7233	an..3	C	Packaging related information, coded	N	
7073	an..3	C	Packaging terms and conditions, coded	N	
C202		C	PACKAGE TYPE	R	
7065	an..17	C	Type of packages identification	R	The following codes are taken from the UN/ECE Recommendation no.21, (TDED 5.8). If not applicable, use codes from another appropriate code set in combination with DE 1131/3055.
					BA = Barrel
					BE = Bundle
					BG = Bag
					BX = Box
					CG = Cage
					CN = Container, not otherwise specified as transport equipment
					CR = Crate
					CS = Case
					CT = Carton
					DR = Drum
					EN = Envelope
					NE = Unpacked or unpackaged
					PC = Parcel
					PK = Package
					PX = Pallet
					RL = Reel
					SW = Shrinkwrapped
					TU = Tube
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	D	
7064	an..35	C	Type of packages	N	
C402		C	PACKAGE TYPE IDENTIFICATION	N	
7077	an..3	M	Item description type, coded	N	
7064	an..35	M	Type of packages	N	
7143	an..3	C	Item number type, coded	N	
7064	an..35	C	Type of packages	N	
7143	an..3	C	Item number type, coded	N	
C532		C	RETURNABLE PACKAGE DETAILS	N	
8395	an..3	C	Returnable package freight payment responsibility, coded	N	
8393	an..3	C	Returnable package load contents, coded	N	

SG14   PCI

PCI   PACKAGE IDENTIFICATION

Function: A segment specifying the buyer's markings and labelling instructions.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
4233	an..3	C	MARKING INSTRUCTIONS, CODED	O	16 = Buyer's instructions
C210		C	MARKS & LABELS	R	
7102	an..35	M	Shipping marks	M	Marking instruction
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
8275	an..3	C	CONTAINER/PACKAGE STATUS, CODED	N	
C827		C	TYPE OF MARKING	N	
7511	an..3	M	Type of marking, coded	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	

SG19 ALC-SG21-SG22-SG24

ALC   ALLOWANCE OR CHARGE

Function: A segment specifying an allowance or charge, its settlement and calculation sequence.
Usage :   M1
Notes :   If an allowance or charge is previously agreed, CO C552 is used to convey this. If an allowance or charge is required at the time of ordering, use CO C214. These data elements cannot be used in the same segment occurrence. Use DE 1227 to specify sequence of calculation if more than one ALC segment is used.

Ref.	Rep.		Name		EDIFICE Utilisation
5463	an..3	M	ALLOWANCE OR CHARGE QUALIFIER	M	A = Allowance C = Charge
C552		C	ALLOWANCE/CHARGE INFORMATION	D	Either DE 1230 or DE 5189 has to be used.
1230	an..35	C	Allowance or charge number	D	
5189	an..3	C	Charge/allowance description, coded	D	
4471	an..3	C	SETTLEMENT, CODED	D	5 = Charge to be paid by vendor 6 = Charge to be paid by customer Use this if DE 5463 indicates 'Charge'
1227	an..3	C	CALCULATION SEQUENCE INDICATOR, CODED	D	To specify the sequence in which an allowance or charge is calculated. The number must be in ascending order, with no gaps and starting from 1. The basis for calculation of the first allowance or charge is the total line items amount. The basis for calculation of any subsequent allowance or charge is the amount resulting from the previous calculation.
C214		C	SPECIAL SERVICES IDENTIFICATION	D	
7161	an..3	C	Special services, coded	M	See UN/EDIFACT code list
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
7160	an..35	C	Special service	N	
7160	an..35	C	Special service	N	

SG21   PCD

PCD   PERCENTAGE DETAILS

Function: A segment specifying an allowance or charge percentage applying to the order value.
Usage :   M1
Notes :

Ref. Rep.		Name		EDIFICE Utilisation
C501	M	PERCENTAGE DETAILS	M	
5245 an..3	M	Percentage qualifier	M	3 = Allowance or charge
5482 n..10	C	Percentage	R	
5249 an..3	C	Percentage basis, coded	R	OV = Order value (*)
				Referenced percentage applies to the total order value.
				(*) EDIFICE code
1131 an..3	C	Code list qualifier	N	
3055 an..3	C	Code list responsible agency, coded	N	

SG22   MOA

MOA   MONETARY AMOUNT

Function: A segment specifying the total monetary amount.
Usage :   M1
Notes :

Ref. Rep. Name		EDIFICE Utilisation
C516 M MONETARY AMOUNT	M	
5025 an..3 M Monetary amount type qualifier	M	8 = Allowance or charge amount
5004 n..18 C Monetary amount	R	Total amount
6345 an..3 C Currency, coded	N	
6343 an..3 C Currency qualifier	N	
4405 an..3 C Status, coded	N	

SG24   TAX

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate.
Usage :   M1
Notes :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY/TAX/FEE FUNCTION QUALIFIER	M	7 = Tax
C241		C	DUTY/TAX/FEE TYPE	R	
5153	an..3	C	Duty/tax/fee type, coded	R	VAT = Value added tax
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5152	an..35	C	Duty/tax/fee type	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty/tax/fee account identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5286	an..15	C	DUTY/TAX/FEE ASSESSMENT BASIS	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty/tax/fee rate identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5278	an..17	C	Duty/tax/fee rate	R	Tax rate
5273	an..12	C	Duty/tax/fee rate basis identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5305	an..3	C	DUTY/TAX/FEE CATEGORY, CODED	R	AA = Lower rate VAT at a lower rate than standard rate E = Exempt from tax S = Standard rate Z = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFICATION NUMBER	N	

SG28   LIN-PIA-IMD-QTY-ALI-FTX-SG32-SG33-SG34-SG38-SG39-SG43-SG53

LIN   LINE ITEM

Function: A segment identifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
The segment also carries a sequence number assigned to the line item within the message.
Usage :   M1
Notes :   For a line item referring to a service which has no coded identification, the primary identification is found in segment IMD, rather than in CO C212.

Ref.	Rep.		Name		EDIFICE Utilisation
1082	an..6	C	LINE ITEM NUMBER	R	It is required to assign a number to the line items within a message. The number is assigned by the sender of the message. The first line item within a message will be numbered 1 and further line items will be incremented by 1 for each new line.
1229	an..3	C	ACTION REQUEST/NOTIFICATION, CODED	N	
C212		C	ITEM NUMBER IDENTIFICATION	A	
7140	an..35	C	Item number	R	Primary reference
7143	an..3	C	Item number type, coded	R	BP = Buyer's part number
					DI = Distributor's part number (*)
					EN = International Article Numbering Association (EAN)
					MF = Manufacturer's (producer's) article number
					SRV = EAN.UCC Global Trade Item Number
					UP = UPC (Universal product code)
					VP = Vendor's (seller's) part number
1131	an..3	C	Code list qualifier	N	(*) EDIFICE code
3055	an..3	C	Code list responsible agency, coded	R	9 = EAN (International Article Numbering association)
					89 = Assigned by distributor
					90 = Assigned by manufacturer
					91 = Assigned by seller or seller's agent
					92 = Assigned by buyer or buyer's agent
					113 = US, UCC (Uniform Code Council)
C829		C	SUB-LINE INFORMATION	N	
5495	an..3	C	Sub-line indicator, coded	N	
1082	an..6	C	Line item number	N	
1222	n..2	C	CONFIGURATION LEVEL	N	
7083	an..3	C	CONFIGURATION, CODED	N	

PIA   ADDITIONAL PRODUCT ID

Function: A segment providing additional identification numbers for the line item.
Usage :   D ..10
Notes :   The 5 internal repetitions of CO C212 may be used, but EDIFICE recommends to only use the first occurrence.

Ref.	Rep.		Name		EDIFICE Utilisation
4347	an..3	M	PRODUCT ID. FUNCTION QUALIFIER	M	1 = Additional identification
C212		M	ITEM NUMBER IDENTIFICATION	M	
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	AA = Product version number
					Release number of a product
					BP = Buyer's part number
					CL = Color number
					CV = Customs article number
					DI = Distributor's part number (*)
					DR = Drawing revision number
					DW = Drawing
					EC = Engineering change level
					EN = International Article Numbering Association (EAN)
					GS = General specification number
					MF = Manufacturer's (producer's) article number
					MN = Model number
					SG = Standard group of products (mixed assortment)
					SN = Serial number
					SRV = EAN.UCC Global Trade Item Number
					UP = UPC (Universal product code)
					VP = Vendor's (seller's) part number
					VX = Vendor specification number
					(*) EDIFICE code
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	9 = EAN (International Article Numbering association)
					89 = Assigned by distributor
					90 = Assigned by manufacturer
					91 = Assigned by seller or seller's agent
					92 = Assigned by buyer or buyer's agent
					113 = US, UCC (Uniform Code Council)
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	R	

IMD   ITEM DESCRIPTION

Function: A segment specifying ship to stock or ship to line quality and/or an additional description in clear or coded form, for the line item.

Usage :   D 1

Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
7077	an..3	C	ITEM DESCRIPTION TYPE, CODED	D	C = Code (from industry code list)
					F = Free-form
7081	an..3	C	ITEM CHARACTERISTIC, CODED	O	3 = Ship to stock
					26 = Ship to line
C273		C	ITEM DESCRIPTION	D	Use DE 7009 for a coded description. If no code is available use DE 7008 instead.
7009	an..17	C	Item description identification	A	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
7008	an..35	C	Item description	D	
7008	an..35	C	Item description	O	
3453	an..3	C	Language, coded	N	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	N	

SG28   LIN-PIA-IMD-QTY-ALI-FTX-SG32-SG33-SG34-SG38-SG39-SG43-SG53

QTY   QUANTITY

Function: A segment specifying the total ordered quantity for the line item.
Usage :   R 1
Notes :   The quantity given here must be the sum of the underlying QTY segments of SG54.
            The measure unit qualifier used in DE 6411 applies to all the underlying QTY segments.

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	21 = Ordered quantity
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	R	Use the following codes from UN/ECE Recommendation no.20, Codes for Units of Measurement:
					CLT = centilitre
					CMT = centimetre
					GRM = gram
					KGM = kilogram
					KMT = kilometre (*)
					LTR = litre
					MGM = milligram
					MMT = millimetre
					MTK = square metre
					MTQ = cubic metre
					MTR = metre
					PCE = piece (*)
					(*) EDIFICE code, not included in UN/ECE Recommendation No. 20
					Other codes should be previously agreed between trading partners.

SG28   LIN-PIA-IMD-QTY-ALI-FTX-SG32-SG33-SG34-SG38-SG39-SG43-SG53

ALI   ADDITIONAL INFORMATION

Function: A segment indicating the country of origin for the line item.
Usage :   O 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
3239	an..3	C	COUNTRY OF ORIGIN, CODED	R	Use ISO 3166, 2 alpha code
9213	an..3	C	TYPE OF DUTY REGIME, CODED	N	
4183	an..3	C	SPECIAL CONDITIONS, CODED	N	
4183	an..3	C	SPECIAL CONDITIONS, CODED	N	
4183	an..3	C	SPECIAL CONDITIONS, CODED	N	
4183	an..3	C	SPECIAL CONDITIONS, CODED	N	
4183	an..3	C	SPECIAL CONDITIONS, CODED	N	

SG28   LIN-PIA-IMD-QTY-ALI-FTX-SG32-SG33-SG34-SG38-SG39-SG43-SG53

FTX   FREE TEXT

Function: A segment providing free form or coded text information for the line item.
Usage :   O1
Notes :   EDIFICE recommends not to use FTX segments.
            Where possible, use CO C107 rather than CO C108.

Ref.	Rep.		Name		EDIFICE Utilisation
4451	an..3	M	TEXT SUBJECT QUALIFIER	M	LIN = Line item
4453	an..3	C	TEXT FUNCTION, CODED	R	1 = Text for subsequent use
					The occurrence of this text does not
					affect order processing
					3 = Text for immediate use
					Text must be read before processing the
					order line
C107		C	TEXT REFERENCE	A	
4441	an..17	M	Free text identification	M	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
C108		C	TEXT LITERAL	D	
4440	an..70	M	Free text	M	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
4440	an..70	C	Free text	O	
3453	an..3	C	LANGUAGE, CODED	N	

SG32   PRI

PRI   PRICE DETAILS

Function: A segment specifying the line item price and the qualifying information.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C509		C	PRICE INFORMATION	R	
5125	an..3	M	Price qualifier	M	AAA = Calculation net
					AAB = Calculation gross
					Allowances and charges to be applied to the gross price and must be provided in the ALC segment
5118	n..15	C	Price	R	
5375	an..3	C	Price type, coded	R	CA = Catalogue
					CP = Current price (*)
					CT = Contract
					DI = Distributor
					PV = Provisional price
					QT = Quoted
					(*) EDIFICE code
5387	an..3	C	Price type qualifier	N	
5284	n..9	C	Unit price basis	R	
6411	an..3	C	Measure unit qualifier	R	Use the following codes from UN/ECE Recommendation no.20, Codes for Units of Measurement:
					CLT = centilitre
					CMT = centimetre
					GRM = gram
					KGM = kilogram
					KMT = kilometre (*)
					LTR = litre
					MGM = milligram
					MMT = millimetre
					MTK = square metre
					MTQ = cubic metre
					MTR = metre
					PCE = piece (*)
					(*) EDIFICE code, not included in UN/ECE Recommendation No. 20
					Other codes should be previously agreed between trading partners.
5213	an..3	C	SUB-LINE PRICE CHANGE, CODED	N	

SG33   RFF-DTM

RFF   REFERENCE

Function: A segment specifying the line item reference number as given by the buyer, or a document reference
            number.
Usage :   M1
Notes :   Where the buyer's line item reference number is to be specified use DE 1156 qualified by code 'LI' in DE
            1153.
            For all other references use DE 1154 with the relevant qualifier. If this information is given at header level
            it must not appear here.

Ref.	Rep.		Name		EDIFICE Utilisation
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	AAD = Contract addendum number
					BO = Blanket order number
					CT = Contract number
					GC = Government contract number
					JB = Job number
					LI = Line item reference number
					Buyer's original line item number
					PR = Price quote number
1154	an..35	C	Reference number	D	
1156	an..6	C	Line number	D	Within an order this must be a unique number which will be the key for identification of the line item. The number is assigned by the buyer, and it can only be assigned once during the lifetime of the order. It will be used, where needed, to refer to the original line item on any subsequent transactions relating to the order. Normally, the first line number on an order will be numbered 1 and further line items will be incremented by 1 for each new line.
4000	an..35	C	Reference version number	N	

SG33   RFF-DTM

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date of the reference document.
Usage :   D 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	171 = Reference date/time
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD
					203 = CCYYMMDDHHMM
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone
					304 = CCYYMMDDHHMMSSZZZ
					ZZZ = Time zone
					X03 = CCYYMMDDHHMMZZZZZ (*)
					ZZZZZ = Time zone
					X04 = CCYYMMDDHHMMSSZZZZZ (*)
					ZZZZZ = Time zone
					(*) EDIFICE code

SG34   PAC-QTY-SG36

PAC   PACKAGE

Function: A segment specifying the product package type.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
7224	n..8	C	NUMBER OF PACKAGES	N	
C531		C	PACKAGING DETAILS	N	
7075	an..3	C	Packaging level, coded	N	
7233	an..3	C	Packaging related information, coded	N	
7073	an..3	C	Packaging terms and conditions, coded	N	
C202		C	PACKAGE TYPE	R	
7065	an..17	C	Type of packages identification	R	The following codes are taken from EIDX documentation: BLK90 = Standard Bulk RAL90 = Standard Rail (semiconductor) REL90 = Standard Reel TRY90 = Standard Tray The following codes are taken from UN/ECE Recommendation no.21, (TDED 5.8): BA = Barrel BB = Bobbin BE = Bundle BG = Bag BQ = Bottle, protected cylindrical BV = Bottle, protected bulbous BX = Box CG = Cage CN = Container (*) CR = Crate CS = Case CT = Carton CX = Can, cylindrical DR = Drum EN = Envelope NE = Unpacked or unpackaged PC = Parcel PE = Pallet (*) PK = Package PU = Tray RL = Reel RO = Roll SW = Shrinkwrapped TN = Tin TU = Tube (*) EDIFICE code, not included in UN/ECE Recommendation No. 21 Other codes should be previously agreed between trading partners.
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	D	Only used if the code is taken from EIDX documentation. 116 = US, ANSI ASC X12
7064	an..35	C	Type of packages	N	
C402		C	PACKAGE TYPE IDENTIFICATION	N	
7077	an..3	M	Item description type, coded	N	
7064	an..35	M	Type of packages	N	
7143	an..3	C	Item number type, coded	N	
7064	an..35	C	Type of packages	N	
7143	an..3	C	Item number type, coded	N	
C532		C	RETURNABLE PACKAGE DETAILS	N	
8395	an..3	C	Returnable package freight payment responsibility, coded	N	

Ref.	Rep.		Name		EDIFICE Utilisation
8393	an..3	C	Returnable package load contents, coded	N	

SG34   PAC-QTY-SG36

QTY   QUANTITY

Function: A segment specifying the number of products contained in the package type.
Usage :   O 1
Notes :

Ref. Rep.		Name		EDIFICE Utilisation
C186	M	QUANTITY DETAILS	M	
6063 an..3	M	Quantity qualifier	M	52 = Quantity per pack
6060 n..15	M	Quantity	M	
6411 an..3	C	Measure unit qualifier	N	

SG36   PCI

PCI   PACKAGE IDENTIFICATION

Function: A segment specifying the buyer's marking and labelling instructions.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
4233	an..3	C	MARKING INSTRUCTIONS, CODED	O	16 = Buyer's instructions
C210		C	MARKS & LABELS	R	
7102	an..35	M	Shipping marks	M	Marking and labelling instruction
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
7102	an..35	C	Shipping marks	O	
8275	an..3	C	CONTAINER/PACKAGE STATUS, CODED	N	
C827		C	TYPE OF MARKING	N	
7511	an..3	M	Type of marking, coded	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	

SG38   TAX

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate for the line item.
Usage :   M1
Notes :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY/TAX/FEE FUNCTION QUALIFIER	M	7 = Tax
C241		C	DUTY/TAX/FEE TYPE	R	
5153	an..3	C	Duty/tax/fee type, coded	R	VAT = Value added tax
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5152	an..35	C	Duty/tax/fee type	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty/tax/fee account identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5286	an..15	C	DUTY/TAX/FEE ASSESSMENT BASIS	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty/tax/fee rate identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5278	an..17	C	Duty/tax/fee rate	R	Tax rate
5273	an..12	C	Duty/tax/fee rate basis identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5305	an..3	C	DUTY/TAX/FEE CATEGORY, CODED	R	AA = Lower rate VAT at a lower rate than standard rate E = Exempt from tax S = Standard rate Z = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFICATION NUMBER	N	

SG39   NAD-SG41

NAD   NAME AND ADDRESS

Function: A segment identifying the buyer as the party requesting the certificates, the manufacturer's code, the buyer (distributor's) end customer or the ultimate destination party, for the line item.

Usage :   M1

Notes :   CO82 is used only :
If DE 3035 = 'MF' then DE 3039 specifies the manufacturer's code
If DE 3035 = 'MA' or 'PC' then DE 3039 specifies the end customer number; 'PC' is used for pricing purposes and 'MA' to indicate the ultimate destination party.

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY QUALIFIER	M	BY = Buyer MA = Party for whom item is ultimately intended MF = Manufacturer of goods PC = Actual purchaser's customer
C082		C	PARTY IDENTIFICATION DETAILS	D	
3039	an..35	M	Party id. identification	M	Manufacturer's code when DE 3035 = 'MF' End customer number when DE 3035 = 'MA' or 'PC'
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	R	9 = EAN (International Article Numbering association) 16 = DUNS (Dun & Bradstreet) 91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C058		C	NAME AND ADDRESS	N	
3124	an..35	M	Name and address line	N	
3124	an..35	C	Name and address line	N	
3124	an..35	C	Name and address line	N	
3124	an..35	C	Name and address line	N	
3124	an..35	C	Name and address line	N	
C080		C	PARTY NAME	N	
3036	an..35	M	Party name	N	
3036	an..35	C	Party name	N	
3036	an..35	C	Party name	N	
3036	an..35	C	Party name	N	
3036	an..35	C	Party name	N	
3045	an..3	C	Party name format, coded	N	
C059		C	STREET	N	
3042	an..35	M	Street and number/p.o. box	N	
3042	an..35	C	Street and number/p.o. box	N	
3042	an..35	C	Street and number/p.o. box	N	
3042	an..35	C	Street and number/p.o. box	N	
3164	an..35	C	CITY NAME	N	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	N	
3251	an..9	C	POSTCODE IDENTIFICATION	N	
3207	an..3	C	COUNTRY, CODED	N	

SG41   DOC

DOC   DOCUMENT/MESSAGE DETAILS

Function: A segment specifying a requested certificate.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C002		M	DOCUMENT/MESSAGE NAME	M	
1001	an..3	C	Document/message name, coded	R	2 = Certificate of conformity
					861 = Certificate of origin
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
1000	an..35	C	Document/message name	N	
C503		C	DOCUMENT/MESSAGE DETAILS	N	
1004	an..35	C	Document/message number	N	
1373	an..3	C	Document/message status, coded	N	
1366	an..35	C	Document/message source	N	
3453	an..3	C	Language, coded	N	
3153	an..3	C	COMMUNICATION CHANNEL IDENTIFIER, CODED	N	
1220	n..2	C	NUMBER OF COPIES OF DOCUMENT REQUIRED	O	
1218	n..2	C	NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	N	

SG43   ALC-SG44-SG45-SG46-SG48

ALC   ALLOWANCE OR CHARGE

Function: A segment specifying an allowance or charge, its settlement and calculation sequence.
Usage :   M1
Notes :   If an allowance or charge is previously agreed, CO C552 is used to convey this. If an allowance or charge is required at the time of ordering, use CO C214. These data elements cannot be used in the same segment occurrence. Use DE 1227 to specify sequence of calculation if more than one ALC segment is used.

Ref.	Rep.		Name		EDIFICE Utilisation
5463	an..3	M	ALLOWANCE OR CHARGE QUALIFIER	M	A = Allowance C = Charge
C552		C	ALLOWANCE/CHARGE INFORMATION	D	Either DE 1230 or DE 5189 has to be used.
1230	an..35	C	Allowance or charge number	D	
5189	an..3	C	Charge/allowance description, coded	D	
4471	an..3	C	SETTLEMENT, CODED	D	5 = Charge to be paid by vendor 6 = Charge to be paid by customer Use this if DE 5463 indicates 'Charge'
1227	an..3	C	CALCULATION SEQUENCE INDICATOR, CODED	D	To specify the sequence in which an allowance or charge is calculated. The number must be in ascending order, with no gaps and starting from 1. The basis for calculation of the first allowance or charge is the amount for the line item. The basis for calculation of any subsequent allowance or charge is the amount for the line item resulting from the previous calculation.
C214		C	SPECIAL SERVICES IDENTIFICATION	D	
7161	an..3	C	Special services, coded	M	See UN/EDIFACT code list
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
7160	an..35	C	Special service	N	
7160	an..35	C	Special service	N	

SG44   QTY

QTY   QUANTITY

Function: A segment specifying the ordered quantity as the basis for an allowance or charge.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	21 = Ordered quantity
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	N	

SG45   PCD

PCD   PERCENTAGE DETAILS

Function: A segment specifying an allowance or charge percentage.
Usage :   M1
Notes :

Ref. Rep.		Name		EDIFICE Utilisation
C501	M	PERCENTAGE DETAILS	M	
5245 an..3	M	Percentage qualifier	M	3 = Allowance or charge
5482 n..10	C	Percentage	R	
5249 an..3	C	Percentage basis, coded	R	LV = Line item value (*) Referenced percentage applies to the line item value. (*) EDIFICE code
1131 an..3	C	Code list qualifier	N	
3055 an..3	C	Code list responsible agency, coded	N	

SG46   MOA

MOA   MONETARY AMOUNT

Function: A segment specifying a monetary amount.
Usage :   M1
Notes :

Ref. Rep.		Name		EDIFICE Utilisation
C516	M	MONETARY AMOUNT	M	
5025 an..3	M	Monetary amount type qualifier	M	8 = Allowance or charge amount
5004 n..18	C	Monetary amount	R	Total amount
6345 an..3	C	Currency, coded	N	
6343 an..3	C	Currency qualifier	N	
4405 an..3	C	Status, coded	N	

SG48   TAX

TAX   DUTY/TAX/FEE DETAILS

Function: A segment specifying Value Added Tax, category and rate.
Usage :   M1
Notes :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY/TAX/FEE FUNCTION QUALIFIER	M	7 = Tax
C241		C	DUTY/TAX/FEE TYPE	R	
5153	an..3	C	Duty/tax/fee type, coded	R	VAT = Value added tax
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5152	an..35	C	Duty/tax/fee type	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty/tax/fee account identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5286	an..15	C	DUTY/TAX/FEE ASSESSMENT BASIS	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty/tax/fee rate identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5278	an..17	C	Duty/tax/fee rate	R	Tax rate
5273	an..12	C	Duty/tax/fee rate basis identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
5305	an..3	C	DUTY/TAX/FEE CATEGORY, CODED	R	AA = Lower rate VAT at a lower rate than standard rate E = Exempt from tax S = Standard rate Z = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFICATION NUMBER	N	

SG53   SCC-RFF-SG54

SCC   SCHEDULING CONDITIONS

Function: A segment specifying a firm delivery.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
4017	an..3	M	DELIVERY PLAN STATUS INDICATOR, CODED	M	1 = Firm
4493	an..3	C	DELIVERY REQUIREMENTS, CODED	N	
C329		C	PATTERN DESCRIPTION	N	
2013	an..3	C	Frequency, coded	N	
2015	an..3	C	Despatch pattern, coded	N	
2017	an..3	C	Despatch pattern timing, coded	N	

SG53   SCC-RFF-SG54

RFF   REFERENCE

Function: A segment identifying the schedule reference number as given by the buyer.
Usage :   D 1
Notes :   Used if the identification of a specific delivery schedule by the buyer is needed.

Ref. Rep. Name		EDIFICE Utilisation
C506 M REFERENCE	M	
1153 an..3 M Reference qualifier	M	FDS = Firm delivery schedule reference number Reference number assigned by the buyer to a specific firm delivery schedule.
1154 an..35 C Reference number	R	
1156 an..6 C Line number	N	
4000 an..35 C Reference version number	N	

SG54   QTY-DTM

QTY   QUANTITY

Function: A segment specifying a quantity.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	21 = Ordered quantity
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	N	

SG54   QTY-DTM

DTM   DATE/TIME/PERIOD

Function: A segment specifying the corresponding date of the quantity.
Usage :   R 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	2 = Delivery date/time, requested
					Date on which buyer requests goods
					to be delivered
					10 = Shipment date/time, requested
					Date on which goods should be shipped
					or despatched by the supplier
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD
					203 = CCYYMMDDHHMM
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone
					304 = CCYYMMDDHHMMSSZZZ
					ZZZ = Time zone
					X03 = CCYYMMDDHHMMZZZZZ (*)
					ZZZZZ = Time zone
					X04 = CCYYMMDDHHMMSSZZZZZ (*)
					ZZZZZ = Time zone
					(*) EDIFICE code

UNS   SECTION CONTROL

Function: A service segment separating detail and summary section.
Usage :   M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
0081	a1	M	SECTION IDENTIFICATION	M	S = Detail/summary section separation

UNT   MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage :   M1
Notes :   Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue EDSS04.

Ref.	Rep.		Name		EDIFICE Utilisation
0074	n..6	M	NUMBER OF SEGMENTS IN A MESSAGE	M	Count of all segments in the message, UNH and UNT included.
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Must be the same reference number as in DE 0062 of the UNH segment of this message.

EXAMPLES

Example 1: Original Purchase Order

```
UNB+UNOC:3+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+ORDERS++1+X+1'
UNH+1+ORDERS:D:97A:UN:EDPO06'
BGM+220+PO11223+9'
DTM+137:19931014:102'
RFF+CT:9999'
NAD+BY+AABBCC::92'
RFF+VA:12121'
CTA+PD+RICHARD JOHNSON'
COM+327369:TE'
NAD+SE+DDEEFF::92'
NAD+DP+FACTORYA::92'
CUX+2:USD:9'
LIN+1++ITEM222:BP::92'
PIA+1+12345:VP::91'
QTY+21:3000:PCE'
PRI+AAA:5.50:CT::1:PCE'
RFF+LI::37'
SCC+1'
QTY+21:2000'
DTM+2:19940204:102'
SCC+1'
QTY+21:1000'
DTM+2:19940304:102'
UNS+S'
UNT+24+1'
UNZ+1+66'
```

Example 2: Purchase Order Response

a) The line item is accepted with amendment:

UNB+UNOC:3+123456789:1:X+987654321:1:X+021209:1520+66+X:AA+ORDRSP++1+X+1'
UNH+1+ORDRSP:D:97A:UN:EDOR06'
BGM+231+POR001+9'
DTM+137:19931015:102'
RFF+ON:PO11223'
NAD+BY+AABBCC::92'
NAD+SE+DDEEFF::92'
CTA+OC+SANDRA NELSON'
COM+878760:TE'
CUX+2:USD:9'
LIN+1+6+ITEM222:BP::92'
PIA+1+12345:VP::91'
QTY+113:3300:PCE'
PRI+AAA:5.50:CT::1:PCE'
RFF+LI::37'
SCC+1'
QTY+21:2000'
DTM+2:19940204:102'
QTY+113:2200'
DTM+67:19940204:102'
SCC+1'
QTY+21:1000'
DTM+2:19940304:102'
QTY+113:1100'
DTM+67:19940304:102'
UNS+S'
UNT+26+1'
UNZ+1+66'

b) The line item is accepted without amendment:

UNB+UNOC:3+123456789:1:X+987654321:1:X+021209:1520+66+X:AA+ORDRSP++1+X+1'
UNH+1+ORDRSP:D:97A:UN:EDOR06'
BGM+231+POR001+9'
DTM+137:19931015:102'
RFF+ON:PO11223'
NAD+BY+AABBCC::92'
NAD+SE+DDEEFF::92'
CTA+OC+SANDRA NELSON'
COM+878760:TE'
CUX+2:USD:9'
LIN+1+5+ITEM222:BP::92'
RFF+LI::37'
UNS+S'
UNT+13+1'
UNZ+1+66'

Example 3: Purchase Order Change Request

a) Requesting a change to Purchase Order Response a), Example 2.

```
UNB+UNOC:3+123456789:1:X+987654321:1:X+021209:1520+66+X:AA+ORDCHG++1+X+1'
UNH+1+ORDCHG:D:97A:UN:EDOC06'
BGM+230+POC1+9'
DTM+137:19931020:102'
RFF+ON:PO11223'
NAD+BY+AABBCC::92'
RFF+VA:12121'
CTA+PD+RICHARD JOHNSON'
COM+327369:TE'
NAD+SE+DDEEFF::92'
NAD+DP+FACTORYa::92'
CUX+2:USD:9'
LIN+1+3+ITEM222:BP::92'
PIA+1+12345:VP::91'
QTY+3:3300:PCE'
PRI+AAA:5.50:CT::1:PCE'
RFF+LI::37'
RFF+AAA:POR001'
SCC+1'
QTY+18:2200'
DTM+42:19940204:102'
QTY+21:2200'
DTM+2:19940128:102'
SCC+1'
QTY+18:1100'
DTM+2:19940304:102'
UNS+S'
UNT+27+1'
UNZ+1+66'
```

b) Accepting seller-initiated changes in Purchase Order Response a), Example 2 (optional information flow).

```
UNB+UNOC:3+123456789:1:X+987654321:1:X+021209:1520+66+X:AA+ORDCHG++1+X+1'
UNH+1+ORDCHG:D:97A:UN:EDOC06'
BGM+230+POC1+9'
DTM+137:19931020:102'
RFF+ON:PO11223'
NAD+BY+AABBCC::92'
RFF+VA:12121'
CTA+PD+RICHARD JOHNSON'
COM+327369:TE'
NAD+SE+DDEEFF::92'
NAD+DP+FACTORYa::92'
CUX+2:USD:9'
LIN+1+11+ITEM222:BP::92'
RFF+LI::37'
RFF+AAA:POR001'
UNS+S'
UNT+16+1'
UNZ+1+66'
```

c) Adding a line to the Original Purchase Order

```
UNB+UNOC:3+123456789:1:X+987654321:1:X+021209:1520+66+X:AA+ORDCHG++1+X+1'
UNH+1+ORDCHG:D:97A:UN:EDOC06'
BGM+230+POC1+9'
DTM+137:19931020:102'
RFF+ON:PO11223'
RFF+CT:9999'
NAD+BY+AABBCC::92'
RFF+VA:12121'
CTA+PD+RICHARD JOHNSON'
COM+327369:TE'
NAD+SE+DDEEFF::92'
NAD+DP+FACTORYa::92'
CUX+2:USD:9'
LIN+1+1+ITEM444:BP::92'
PIA+1+332233:VP::91'
```

```
QTY+3:5000:PCE'
PRI+AAA:3.25:CT::1:PCE'
RFF+LI::85'
SCC+1'
QTY+21:5000'
DTM+2:19940223:102'
UNS+S'
UNT+22+1'
UNZ+1+66'
```

Example 4: References and scheduling conditions.

PLEASE NOTE THAT THIS EXAMPLE ONLY CONTAINS RELEVANT SEGMENTS TO EXPLAIN THE PRINCIPLE OF REFERENCING AND SCHEDULING.

1: Buyer sends ORDERS for lines 75 and 93
2: Seller sends ORDRSP for lines 75 and 93
3: Buyer sends ORDCHG for line 75
4: Buyer sends ORDCHG for line 93
5: Seller sends ORDRSP for line 93
6: Seller sends ORDRSP for lines 75 and 93

```
    1:                                      2:
    BGM+220+POnumber1+9'                    BGM+231+POresponsenumber1+9'
    RFF+CT:123456'                          RFF+ON:POnumber1'
    LIN+1++ArticleA:VP::92'                 LIN+1+6+ArticleA:VP::92'
    RFF+LI::75'                             RFF+LI::75'
    SCC+1'                                  SCC+1'
a)  QTY+21:500'                        a)   QTY+21:500'
a)  DTM+2:940215:101'                  a)   DTM+2:940215:101'
    SCC+1'                             d)   QTY+113:500'
b)  QTY+21:1250'                       d)   DTM+67:940222:101'
b)  DTM+2:940301:101'                       SCC+1'
    LIN+2++ArticleB:VP::92'            e)   QTY+113:1250'
    RFF+LI::93'                        e)   DTM+67:940301:101'
    SCC+1'                             f)   LIN+2+5+ArticleB:VP::92'
c)  QTY+21:750'                             RFF+LI::93'
c)  DTM+2:940215:101'                       UNS+S'
    UNS+S'

    3:                                      4:
    BGM+230+POchangenumber1+9'              BGM+230+POchangenumber2+9'
    RFF+ON:POnumber1'                       RFF+ON:POnumber1'
    LIN+1+3+ArticleA:VP::92'                LIN+1+3+ArticleB:VP::92'
    RFF+LI::75'                             RFF+LI::93'
    RFF+AAA:POresponsenumber1'              RFF+AAA:POresponsenumber1'
    SCC+1'                                  SCC+1'
g)  QTY+18:500'                        j)   QTY+18:750'
g)  DTM+2:940222:101'                  j)   DTM+42:940215:101'
    SCC+1'                             k)   QTY+21:750'
h)  QTY+18:1250'                       k)   DTM+2:940208:101'
h)  DTM+42:940301:101'                      UNS+S'
i)  QTY+21:1500'
i)  DTM+2:940301:101'
    UNS+S'

    5:                                      6:
    BGM+231+POresponsenumber2+9'            BGM+231+POresponsenumber3+9'
    RFF+ON:POnumber1'                       RFF+ON:POnumber1'
    LIN+1+6+ArticleB:VP::92'                LIN+1+6+ArticleA:VP::92'
    RFF+LI::93'                             RFF+LI::75'
    RFF+PP:POchangenumber2'                 RFF+PP:POchangenumber1'
    SCC+1'                                  SCC+1'
l)  QTY+21:750'                        n)   QTY+21:500'
l)  DTM+2:940208'                      n)   DTM+2:940222:101'
m)  QTY+113:750'                       o)   QTY+113:450'
m)  DTM+67:940212'                     o)   DTM+67:940222:101'
    UNS+S'                             o)   QTY+113:50'
                                       o)   DTM+67:940228:101'
                                            SCC+1'
                                       p)   QTY+113:1500'
                                       p)   DTM+67:940301:101'
                                            LIN+1+5+ArticleB:VP::92'
                                            RFF+LI::93'
                                            RFF+PP:POchangenumber2'
                                            UNS+S'
```

The following principles set out in the EDIFICE FUNCTIONAL DEFINITION apply:

In any subsequent message to the original Purchase Order, SG54 should contain:
*   the scheduling conditions (QTY/DTM) as it was BEFORE the now transmitted message
** the new proposed/requested scheduling conditions

- "*" is always retrieved from the preceding message for the line item in question.
- The preceding message for the line item is always referenced in the RFF segment in SG33.
- The original Purchase Order for the line item is always referenced in the RFF segment in SG1.
- If no preceding message exists other than the original Purchase Order, there will be no reference in SG33 except for the line number reference. If this is the case, it is from the original Purchase Order situation "*" should be retrieved.

1: Buyer sends ORDERS for lines 75 and 93
The original Purchase Order references the business/commercial agreement at header level and the line number for each individual item being ordered at detail level. The scheduling conditions, ordered quantity and requested delivery date, are marked with a), b) and c).

2: Seller sends ORDRSP for lines 75 and 93
The Purchase Order Response references the original Purchase Order at header level and the line number for each individual item being responded to at detail level.

Since the Purchase Order Response is a subsequent message to the original Purchase Order, the principles set out in the EDIFICE FUNCTIONAL DEFINITION apply. This is the first message transmitted subsequent to the original Purchase Order, i.e. no other preceding message exists for any of the line items involved, which means that "the scheduling conditions (QTY/DTM) as it was BEFORE the now transmitted message" ("*") is retrieved from the referenced original Purchase Order for both line 75 and 93 and is immediately followed by the new proposed scheduling conditions:

- Line number 75, first schedule
  a)   shows "the scheduling conditions (QTY/DTM) as it was BEFORE the now transmitted message" ("*"). It has been retrieved from the original Purchase Order (where it is also marked "a)").

d) shows "the new proposed/requested scheduling conditions" by the seller.

- Line number 75, second schedule
  When the 'requested' schedule is accepted by the seller or if the schedule is transmitted for positioning purposes, only "**" is required to be transmitted (see section Remarks, SG52 in the ORDRSP documentation). When this is the case, it is understood that "the scheduling conditions (QTY/DTM) as it was BEFORE the now transmitted message" is identical with "the new proposed/requested scheduling conditions". The scheduling conditions "e)" is in other words the new situation as proposed by the seller. It is however identical to what was requested by the buyer in b).

- Line number 93, all schedules.
  The action request code states acceptance without amendment signifying that no part of the detail section, except for the RFF segments carrying the references to line number and preceding Purchase Order Change Request (if any) for the line item, needs to be transmitted (see section Remarks, SG31 in the ORDRSP documentation). It is understood that the requested schedule "c)" of the original Purchase Order is accepted by the seller.

3: Buyer sends ORDCHG for line 75
The Purchase Order Change Request references the original Purchase Order at header level. At detail level, the line number and the preceding message for the line item involved are referenced.

Since the Purchase Order Change Request is a subsequent message to the original Purchase Order, the principles set out in the EDIFICE FUNCTIONAL DEFINITION apply. Accordingly, this Purchase Order Change Request is issued to propose amendments to the Purchase Order Response received for
the line item in question:

- Line number 75, first schedule.
  The schedule is transmitted for positioning purposes (see section Remarks, SG52 in the ORDCHG documentation). It is understood that situation "*" in the EDIFICE FUNCTIONAL DEFINITION is identical with "**" in this case. Situation "*" is retrieved from POresponsenumber1, as indicated by the reference at detail level. Thus, the scheduling conditions "g)" represents the new situation as requested by the buyer. It is identical to the scheduling conditions "d)" as proposed by the seller in POresponsenumber1.

- Line number 75, second schedule
  h)   shows "the scheduling conditions (QTY/DTM) as it was BEFORE the now transmitted message" ("*"). It has been retrieved from POresponsenumber1, "e)", in accordance with the reference to the preceding message at detail level.
  i)   shows "the new proposed/requested scheduling conditions", i.e. the new requested situation by the buyer.

4: Buyer sends ORDCHG for line 93
The Purchase Order Change Request references the original Purchase Order at header level. At detail level, the line number and the preceding message for the line item involved are referenced.

Since the Purchase Order Change Request is a subsequent message to the original Purchase Order, the principles set out in the EDIFICE FUNCTIONAL DEFINITION apply.

- Line number 93.
  j) shows situation "*". It has been retrieved from POresponsenumber1, in accordance with the reference to the preceding message at detail level. It is understood that the situation reflected in "j)" has not changed after the first appearance of these scheduling conditions in the original Purchase Order as "c)", since POresponsenumber1 accepted "c)" without amendments.
  k) shows situation "**", i.e. the new requested situation by the buyer.

5: Seller sends ORDRSP for line 93
The Purchase Order Response references the original Purchase Order at header level. At detail level, the line number and the last received message, i.e. the last received Purchase Order Change Request, for the line item involved are referenced.

Since the Purchase Order Response is a subsequent message to the original Purchase Order, the principles set out in the EDIFICE FUNCTIONAL DEFINITION apply.

- Line number 93.
The preceding message for this line number is POchangenumber2, as indicated in one of the RFF segments at detail level. Thus, it is the requested situation of POchangenumber2 for line number 93 that will be responded to in this response and from which "*" will be retrieved
  l) shows situation "*". It corresponds to "the new proposed/requested scheduling conditions" in the preceding message, i.e. in POchangenumber2, which is "k)".
  m) shows "the new proposed/requested scheduling conditions" by the seller.

6: Seller sends ORDRSP for lines 75 and 93
The Purchase Order Response references the original Purchase Order at header level. At detail level, the line number and the last received message, i.e. the last received Purchase Order Change Request, for the line item involved are referenced. Note that the two line items reference different Purchase Order Change Requests this time.

Since the Purchase Order Response is a subsequent message to the original Purchase Order, the principles set out in the EDIFICE FUNCTIONAL DEFINITION apply.

- Line number 75, first schedule
The preceding message for this line number is POchangenumber 1, which is referenced in the RFF segment at detail level.
  n) shows situation "*". It corresponds to "the new proposed/requested scheduling conditions" in the preceding message, i.e. in POchangenumber1, which is "g)".
  o) shows "the new proposed/requested scheduling conditions "by the seller. In this case, it is a 'split' situation (see section Remarks, SG52 in the ORDRSP documentation).

- Line number 75, second schedule
  p) indicates that the schedule requested by the buyer in POchangenumber1 has been fully accepted by the seller.

- Line number 93.
Note that this is the second response in a row for line 93. The preceding message to reference for the seller is still the last received Purchase Order Change Request for the line item, since a Purchase Order Response always is sent in response to the last received message from the buyer.
The action request code states acceptance without amendment signifying that no part of the detail section, except for the RFF segments carrying the references to line number and preceding Purchase Order Change Request for the line item, needs to be transmitted (see section Remarks, SG31 in the ORDRSP documentation). The implication is that the requested schedule k) in the Purchase Order Change Request with document number "POchangenumber2" now has been fully accepted by the seller.

<u>General remarks</u>

The mechanism regarding references and scheduling conditions caters for:
- Single line item ORDERS being responded to by single line item ORDRSP's and amended by single line item ORDCHG's.
- Multiple line item ORDERS being responded to by multiple line item ORDRSP's and amended by multiple line item ORDCHG's.
- As each line item has its own life cycle, any subsequent message to the original Purchase Order may act on the different line items independently (see message 6: in the example above).
    * an ORDRSP may respond to line items retrieved from one or more ORDCHGs or from the ORDERS message or from a combination of the two.
    * an ORDCHG may request amendments to line items retrieved from different previously received ORDRSP's
    * etc.

Note that the principle applied on all occasions is that any subsequent message to the original Purchase Order must reference the preceding message for the line item in question, this is being done by means of the RFF segment in SG33.