

## TRANS4M®

### *EDI SPECIFICATIONS 8.20*

#### **Infor Global Solutions (Automotive)**

<b>Address</b>	3855 Sparks Dr. SE, Suite 201 Grand Rapids, MI 49546
<b>Phone</b>	616.957.4444
<b>Fax</b>	616.957.8954
<b>e-mail</b>	autoinfo@infor.com
<b>Web</b>	www.infor.com/automotive Copyright Notice

#### **TRANS4M Customer Support Team**

<b>Phone</b>	616.957.4337
<b>Fax</b>	616.957.3924
<b>e-mail</b>	hotlines@infor.com
<b>Web</b>	www.interhot.com

## TRANS4M EDI Specification Glossary

For each message (830, 850, 856, etc.):

- The **Seg. ID** column shows the ANSI identification for that segment.
- The **Name** column shows the name of the segment associated with the segment ID.
- The **Max. Use** column shows the maximum number of times the segment may be used within this section or loop.
- For X12 messages, the **Loop Repeat** column shows the number of iterations allowed for that segment loop (consult your ANSI EDI documentation to see if there are segment loops that may be nested within that segment loop).
- For EDIFACT messages, the **Segment Group** column defines the group to which a segment belongs.
- The **Req. Des.** (X12) and the **Seg. Type** (EDIFACT) columns have abbreviations that identify the segment's usage limitations/requirements.

Abbreviations in the **Req. Des.** and **Seg. Type** column have the following definitions:

C	Conditional	The presence of this item is dependent on the presence or absence of other items.
F	Floating	This is used only for the NTE segment that may appear anywhere in the transaction set between the transaction set header and the transaction set trailer.
M	Mandatory	This data segment shall be included in the transaction set.  Note that though a data segment may be mandatory in a loop of data segments, the loop itself is optional if the beginning segment of the loop is designated as optional.
N	Not Used	Infor Automotive does not use this segment at this time.
O	Optional	The presence of this data segment is at the option of the sending party.

For each X12 segment:

- The **ELEM ID** column displays the X12 element ID according to ANSI standards.
- The **ELE#** column shows the ANSI EDI element number that corresponds to the element ID seen in the **ELEM ID** column.
- The **Name** column displays the name associated with the element ID.
- The **FEATURES** column shows three pieces of information:
  1. The first letter corresponds to the same abbreviations as those used for the **Req. Des.** column at the message level.
  2. The next piece shows the type of data to expect for this element (i.e., whether the element is an ID, Alpha-Numeric, a number, etc.).
  3. The third and final piece is the minimum/maximum length of the data element.
- The **Comments** column provides Infor's comments concerning the use of the element when the document is processed.

For each EDIFACT segment:

- The **Tag** column shows the EDIFACT element ID number according to ANSI standards.
- The **Name** column displays the name associated with the element ID.

- The **Data Type** column shows the type of element being sent. The following identifiers are used:
- **D**: Standard data element (will represent a piece of data).
- **C**: Composite data element (an element that is made up of other elements).
- **S**: Component data element (while this element represents a piece of data, it is also a single component of a composite data element). Each component element may be seen as a sub-element or the entire composite element.
- The **M/C** column displays whether this element is mandatory or conditional.
- The **Format** column shows the format of the data contained in an element or component element. This would include a length, and whether the data is alphabetical (A), alphanumeric (AN), numeric (N), or any character (X).
- The **Comments** column provides Infor's comments concerning the use of the element when the document is processed.

## 830 (Planning Schedule with Release Capacity)

This Infor Automotive standard provides the format and establishes the data contents of the 830 (Planning Schedule with Release Capability Transaction Set). This transaction set provides for customary and established business practices relative to the transfer of forecasting/material release information between organizations.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BFR</a>	Beg Seg for Planning Schedule	M	1	
<a href="#">NTE</a>	Note/Special Instructions	F	100	
<a href="#">N1</a>	Name	M	1	N1/200
<a href="#">N3</a>	Address Information	M	2	
<a href="#">N4</a>	Geographic Location	O	1	
<a href="#">PER</a>	Admin Communications Contact	M	3	N1S
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">LIN</a>	Item Identification	M	1	LIN/10000
<a href="#">NTE</a>	Note/Special Instructions	F	100	
<a href="#">UIT</a>	Unit Detail	M	1	
<a href="#">PID</a>	Product/Item Description	M	1000	
<a href="#">REF</a>	Reference Numbers	M	2	
<a href="#">PER</a>	Administrative Communications Contact	O	3	
<a href="#">SDP</a>	Ship/Delivery Pattern	O	1	SDP/260 S
<a href="#">FST</a>	Forecast Schedule	M	260	SDP
<a href="#">ATH</a>	Resource Authorization	M	20	
<a href="#">SHP</a>	Shipped/Received Information	O	1	SHP/25
<a href="#">REF</a>	Reference Numbers	O	1	SHP
<i>Data Segment Sequence for the Summary Area</i>				

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<a href="#">CTI</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	
<a href="#">Sample 830</a>				

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 830 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*830*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set ID Code	M ID 3/3	830
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Planning Schedule

Segment:	BFR - Beginning Segment for Planning Schedule
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates.
Example:	BFR*05**917001*SH*A*910228*920101*910220***

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BFR01	353	Transaction Set Purpose Code	M ID 2/2	05 = Replace
BFR02	127	Reference Number	N	
BFR03	328	Release Number	M AN 1/30	
BFR04	675	Schedule Type Qualifier	M ID 2/2	SH = Shipment Based DL = Delivery Based
BFR05	676	Schedule Quantity Qualifier	M ID 1/1	"A" Net Quantities
BFR06	373	Date	M DT 6/6	Start Date
BFR07	373	Date	M DT 6/6	End Date
BFR08	373	Date	M DT 6/6	Release Issue Date
BFR09	373	Date	N	
BFR10	367	Contract Number	N	
BFR11	324	P/O Number	N	If there is only one purchase order number for the entire release, use the PO number; otherwise, put the PO number in the LIN segment.

## Note/Special Instructions

Segment:	NTE - Note
Level:	Heading
Max. Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction.
Example:	NTE**PLEASE MAKE DELIVERIES BEFORE 3:00 PM

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
NTE01	363	Note Ref. Code	N	
NTE02	003	Freeform Message	M AN 1/60	



## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	ST = Shipto Location SU = Supplier Location* SF = Shipfrom Location*
N102	093	Name	O AN 1/35	Company Name
N103	066	ID Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	ID Code	M AN 2/9	

**Note:** RPS users have the ability to define the data elements used in the N1\*SU and N1\*SF segments on the 830 document via fields in Vendor Communications Update (SRPS1,4). If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance). The controlling vendor code will then be used in the N1\*SU segment and the subvendor code will be used in the N1\*SF segment.

**Note:** RPS users also have the ability to specify an optional ship-to address code on the Part/Vendor Authorization. This alternate ship-to address will then print in the LIN loop (detail level) (N1 x ST).

## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive, Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	
N302	166	Address	N	

**Note:** This may also print in the LIN loop if an alternate ship-to address is specified on the Part/Vendor Authorization.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To specify the geographic place of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Ident.	N	

**Note:** This may also print in the LIN loop if an alternate ship-to address is specified on the Part/Vendor Authorization.

## Admin Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Heading
Max. Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*BD*Purchasing Manager*TE*1(616)957-4444

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	SC = Schedule Contact BD = Buyer Name or Department
PER02	093	Name	O AN 1/35	
PER03	365	Communication No. Qualifier	O ID 2/2	TE = Telephone FX = Vendor Facsimile Number
PER04	364	Communication Number	O AN 7/21	Telephone Number

**Note:** The vendor fax number will be stored on the RPS release when generated. If no fax number is present on the VENDOR\*cc record, no PER\*FX segment will be generated.

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	LIN**BP*255*VP*2341123*EC*123

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Identification	N	
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number
LIN03	234	Product/Service ID	M AN 1/20	Part Number
LIN04	235	Product/Service ID Qualifier	O ID 2/2	VP = Vendor's Part Number
LIN05	234	Product/Service ID	O AN 1/20	Part Number
LIN06	235	Product/Service ID Qualifier	O AN 2/2	EC = Engineering Change
LIN07	234	Product/Service ID	O AN 1/20	Engineering Change Revision Level

**Note:** If multiple PO numbers exist, the PO number will show up on the LIN segment for each detail; otherwise, the PO number will show up on the BFR segment.

**Note:** The VP, EC, and PO qualifiers (with associated values) can appear in any order in LIN04/05, and LIN06/07.

## Note/Special Instructions

Segment:	NTE - Note
Level:	Detail
Max. Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction.
Example:	NTE**Please Deliver at 5:00 p.m.

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
NTE01	363	Note Ref. Code	N	
NTE02	003	Freeform Message	M AN 1/60	

## Unit Detail

Segment:	UIT - Unit Detail
Level:	Detail
Max. Use:	1
Purpose:	To specify item unit data.
Example:	UIT*EA*2.00000

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
UIT01	355	Unit of Measure Code	M ID 2/2	
UIT02	212	Unit Price	O R 1/14	
UIT03	639	Basis Unit Price Code	N	

## Product/Item Description

Segment:	PID - Product/Item Description
Level:	Detail
Max. Use:	1000
Purpose:	To describe a product or process in coded or free-form format.
Example:	PID*F****Sheet Metal

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PID01	349	Item Description Type	M ID 1/1	Freeform
PID02	750	Prod/Proc Char Code	N	
PID03	348	Item Description Qualifier	N	
PID04	751	Product Description Code	N	
PID05	352	Description	M AN 1/80	
PID06	752	Surf/Layer Pos Code	N	



## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	2
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*PO*PO-100REF*DK*DOCK1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	PO = Purchase Order Number DK = Dock Code
REF02	127	Reference Number	M AN 1/30	
REF03	352	Description	N	

## Administrative Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Detail
Max. Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*SC*SUE*TE*555-1234

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	SC = Schedule Contact
PER02	093	Name	O AN 1/35	
PER03	365	Communication No. Qualifier	O ID 2/2	TE = Telephone
PER04	364	Communication Number	O AN 7/21	Telephone Number

## Ship/Delivery Pattern

Segment:	SDP - Ship/Delivery Pattern
Level:	Detail
Max. Use:	1
Purpose:	To identify specific ship/delivery requirements.
Example:	SDP*S*Z

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SDP01	678	Ship/Delivery Pattern Code	M ID 1/2	Any Valid Code
SDP02	679	Ship/Delivery Pattern Time	M ID 1/1	Z = Mutually Defined
SDP03	678	Ship/Delivery Pattern Code	N	
SDP04	679	Ship/Delivery Pattern Time	N	
SDP05	678	Ship/Delivery Pattern Code	N	
SDP06	679	Ship/Delivery Pattern Time	N	
SDP07	678	Ship/Delivery Pattern Code	N	
SDP08	679	Ship/Delivery Pattern Time	N	

## Forecast Schedule

Segment:	FST - Forecast Schedule
Level:	Detail
Max. Use:	260
Purpose:	To specify the forecasted dates and quantities.
Example:	FST*2050*C*D*910204

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FST01	380	Quantity	M R 1/10	
FST02	680	Forecast Qualifier	M ID 1/1	A = Immediate C = Firm Quantity D = Planning Quantity
FST03	681	Forecast Timing Qualifier	M ID 1/1	D = Discrete W = Weekly F = Flexible Time Interval
FST04	373	Date	M DT 6/6	Delivery/Ship Date
FST05	373	Date	C DT 6/6	End Date
FST06	374	Date/Time Qualifier	N	
FST07	337	Time	N	
FST08	128	Reference No. Qualifier	N	
FST09	127	Reference Number	N	

## Resource Authorization

Segment:	ATH - Resource Authorization
Level:	Detail
Max. Use:	20
Purpose:	To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule.
Example:	ATH*FI**3242**900701

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ATH01	672	Resource Authorization Code	M ID 2/2	FI = Finished Inventory MT = Material Inventory PQ = Cumulative Quantity Required Prior to First Schedule Period
ATH02	373	Date	N	
ATH03	380	Quantity	M R 1/10	
ATH04	380	Quantity	N	
ATH05	373	Date	M DT 6/6	Cumulative Quantity Start Date

## Shipped/Received Information

Segment:	SHP - Shipped/Received Information
Level:	Detail
Max. Use:	1
Purpose:	To specify shipment and/or receipt information.
Example:	SHP*01*52*050*900827

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SHP01	673	Quantity Qualifier	O ID 2/2	01 = Discrete 02 = Cumulative
SHP02	380	Quantity	C R 1/10	Last Receipt Qty if SHP01 = 01 Cum Receipt Qty if SHP01 = 02
SHP03	374	Date/Time Qualifier	O ID 3/3	050 = Received Date 051 = Cumulative Start Date
SHP04	373	Date	C DT 6/6	Last Receipt Date if SHP03 = 050 Cum Start Date if SHP03 = 051
SHP05	337	Time	N	
SHP06	373	Date	C	Cum End Date if SHP03 = 051
SHP07	337	Time	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	1
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*SI*45

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	SI = Last Received Shipment Identification Number
REF02	127	Reference Number	M AN 1/30	
REF03	352	Description	N	

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for the forecast quantity within the transaction set.
Example:	CTT*1*1600

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of LIN Segments
CTT02	347	Quantity Hash Total	M R 1/10	
CTT03	081	Weight	N	
CTT04	355	Unit of Measure Code	N	
CTT05	183	Volume	N	
CTT06	355	Unit of Measure Code	N	
CTT07	352	Description	N	



## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*25*0000000005

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ASNI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and subelement separator (i.e., * and \).</p>	

## Sample 830

The following represents a sample 830:

```
ISA*00* *00* *01*005346481 *01*005346481 *940613*102
(ISA cont.) 5*U*02040*000000333*0*P*\
GS*PS*005346481*005346481*940613*1025*000000433*X*002040.
ST*830*000001048.
BFR*05**929701*DL*A*940606*950531*940613***.
NTE**We will be taking inventory from 08/01/93 to 08/04/93.
NTE**Please have all material delivered by then.
NTE**Universal Supply Inc.'s supplier ID is '1000'.
N1*ST*Infor Automotive*1*009571302.
N3*3855 Sparks DR Ste.201.
N4*GRAND RAPIDS*MI*49506.
PER*BD*MTRL MANAGER.*TE*616/957-4444.
N1*SU*UNIVERSAL SUPPLY INC.*92*1000.
N3*2107 CROOKS ROAD.
N4*TORONTO*ONT*L16 1H8.
PER*SC**TE*416/555-1256.
N1*SU*UNIVERSAL SUPPLY INC.*92*1000.
N3*2107 CROOKS ROAD.
N4*TORONTO*ONT*L16 1H8.
PER*SC**TE*416/555-1256.
LIN**BP*440*VP*VP440.
NTE**Please deliver at 5:00PM
UIT*EA*2.00000.
PID*F****WIDGETS.
REF*PO*PO-100.
REF*DK*DOCK1.
PER*SC*John Doe*TE*616/957-4444.
N1*ST*METAL INC.*1*009571302.
N3*777 INDUSTRIAL WAY
N4*GRAND RAPIDS*MI*49506.
SDP*S*Z.
FST*600*C*D*940606.
FST*800*C*D*940607.
FST*800*C*D*940608.
FST*600*C*D*940609.
FST*0*A*W*940530.
FST*5000*D*W*940704.
FST*10000*D*F*940905*941002.
ATH*PQ**10000**940101.
SHP*01*10000*050*940613.
REF*SI*987654321.
SHP*02*10000*051*940606**940613.
LIN**BP*4562*VP*100*EC*123.
UIT*EA*1.00000.
PID*F****WIDGET COUPLING.
REF*PO*1.
PER*SC*John Doe*TE*616/957-4444.
SDP*S*Z.
FST*500*A*D*940530.
```

```
FST*50*C*D*940606.  
FST*50*C*D*940613.  
FST*150*C*W*940627.  
FST*2000*D*W*940801.  
ATH*PQ**0**900819.  
ATH*MT**600**900819.  
CTT*2*20550.  
SE*49*000001048.  
GE*1*000000433.  
IEA*1*000000333.
```

## 856 (Ship Notice/Manifest)

This Infor Automotive standard provides the format and establishes the data contents of the 856 (Ship Notice/Manifest Transaction Set). An 856 comprises a shipment's contents and other information relating to shipment, packaging, marking, and carrier data, as well as the packing configuration of the shipped goods. It enables the sender to describe a shipment's contents and configuration in varying levels of detail, while providing an ordered flexibility of data conveyed.

**Note:** Only two N1 segments are used by RPS. One is used to load the ship-from data and the other to load the ship-to data. Both of these are required.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BSN</a>	Beginning Segment for Ship Notice	M	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<i>Data Segment Sequence for the Shipment Level</i>				
<a href="#">HL</a>	Hierarchical Level for Shipment	M	1	
<a href="#">MEA</a>	Measurements	M	2	
<a href="#">TD1</a>	Carrier Details (Quantity & Weight)	M	1	
<a href="#">TD5</a>	Carrier Details (Routing Sequences/Transit Time)	M	1	
<a href="#">TD3</a>	Carrier Details (Equipment)	M	1	
<a href="#">REF</a>	Reference Numbers	M	2	
<a href="#">N1</a>	Name	M	2	N1/2
<a href="#">REF</a>	Reference Numbers	O	1	N11
<i>Data Segment Sequence for the Item Level</i>				
<a href="#">HL</a>	Hierarchical Level for Item	M	1	HL/200000
<a href="#">LIN</a>	Item Identification	M	1	
<a href="#">SN1</a>	Item Detail (Shipment)	M	1	
<a href="#">PRF</a>	Purchase Order Reference	M	1	

<a href="#">REF</a>	Reference Numbers	C	1	
<a href="#">CLD</a>	Load Detail	O	1	CLD/200
<a href="#">REF</a>	Reference Numbers	C	200	CLD
<i>Data Segment Sequence for the Trailing Segments</i>				
<a href="#">CTT</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

The first 856 in the transmittal illustrates the use of the REF\*PK (or \*SI) designation at the shipment hierarchical level; the second shows its use at the item hierarchical level.

```

ISA*00*  *00*  *01*000000000  *01*009571302  *880524*1333*X*00204*000000008*0*T*\ .
GS*SH*000000000*009571302*880524*1333*15*X*002040 .
ST*856*00061 .
BSN*00*628805*880524*1333 .
DTM*011*880524*1121 .
DTM*017*880524*1400 .
HL*1**S .
MEA*PD*G*3412*LB .
MEA*PD*T*867*LB .
TD1*PLT07*93 .
TD5*B*02*RDWY*M .
TD3*TL**7 .
REF*BM*628805 .
REF*PK*52803 .
N1*SF**92*000000000 .
N1*ST*PAULE PLATING SERVICE*01*009571302 .
HL*2*1*I .
LIN**BP*2001 .
SN1**1110*EA*4133 .
PRF*21 .
CLD*2*500***EA .
REF*SE*12345678 .
REF*SE*12345679 .
CLD*1*110***EA .
REF*SE*12345680 .
CTT*2*1110 .
&Euml;*25*00061 .
ST*856*00062 .
BSN*00*628806*880524*1333 .
DTM*011*880524*1122 .
DTM*017*880524*1500 .
HL*1**S .
MEA*PD*G*20946*LB .
MEA*PD*T*5826*LB .
TD1*PLT25*876 .
TD5*B*92*CNTR*C .
&Euml;*3*TL**5 .
REF*BM*628806 .
N1*SF**92*000000000 .
N1*ST*PAULE PLATING SERVICE*01*009571302 .

```

```
HL*2*1*I.  
LIN**BP*2000.  
SN1**2011*EA*10029.  
PRF*32424.  
REF*PK*628807.  
HL*3*1*I.  
LIN**BP*2001.  
SN1**8000*EA*12133.  
PRF*21  
REF*PK*628807.  
HL*4*1*I.  
LIN**BP*2002.  
SN1**151*EA*1381.  
PRF*22.  
REF*PK*628808.  
CTT*4*10162.  
SE*27*00062.  
GE*2*15.  
IEA*00001*000000008.
```

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 856 transaction set and assign a transaction control number.
Comments:	This segment is required. The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*856*0001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set ID Code	M ID 3/3	856
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set within a functional group, starting with 0001 and incremented by 1 for each subsequent transaction set.

## Beg Seg for Ship Notice

Segment:	BSN - Beginning Segment for Ship Notice
Level:	Heading
Max. Use:	1
Purpose:	To transmit identifying numbers, dates and other basic data relating to the transaction set.
Example:	BSN*00*123456*880502*0810

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BSN01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original 05 = Replacement
BSN02	396	Shipment Ident.	M AN 2/30	ASN Number unique supplier assigned number that is not repeated within a one year period. Infor Automotive recommends you use the packing slip number.
BSN03	373	Date	M DT 6/6	Date of ASN Creation
BSN04	337	Time	M TM 4/4	Time of ASN Creation



## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	2
Purpose:	To specify pertinent dates and times.
Example:	DTM*011*880601*1115 or DTM*011*880601*1115*PT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	011 = Date and Time Shipment Leaves Supplier 017 = Estimated Date and Time of Arrival
DTM02	373	Date	M DT 6/6	
DTM03	337	Time	C TM 4/4	
DTM04	623	Time Code	C AN 2/2	Any valid time zone may be used (e.g., AT, ET, PT). This value can only be present if time value is present.

## Hierarchical Level

Segment:	HL - Hierarchal Level
Level:	Detail (shipment level)
Max. Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments.
Comments:	The HL segment is used to identify levels of detail information using hierarchical structure, such as relating line item data to shipment data. Infor Automotive will only use the shipment and item levels. Cancellation ASNs require only the shipment level.
Example:	HL*1**S (shipment level)

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
HL01	628	Hierarchical ID #	M AN 1/12	1 for the first HL segment, incremented by 1 in each subsequent HL segment within the transaction set.
HL02	734	Hierarchical Parent ID Number	M AN 1/12	The ID number of the parent HL segment. Required for all HL segments at the item level.
HL03	735	Hierarchical Level Code	M ID 1/2	S = Shipment
HL04	736	Hierarchical Child Code	N	

## Measurement

Segment:	MEA - Measurements
Level:	Detail (shipment level)
Max. Use:	2
Purpose:	To specify physical measurements, including dimensions, tolerances, weights and counts.
Comments:	At shipment hierarchical level: - gross weight of shipment- tare weight of shipment
Example:	MEA*PD*G*1231*LBMEA*PD*T*323*LB

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MEA01	737	Measurement Ref ID	M ID 2/2	PD for Physical Dimensions
MEA02	738	Measurement Qualifier	M ID 1/3	G = Gross Weight T = Tare Weight
MEA03	739	Measurement Value	M R 1/10	Weight
MEA04	355	Unit of Measure Code	M ID 2/2	LB = Pounds
MEA05	740	Range Minimum	N	
MEA06	741	Range Maximum	N	
MEA07	935	Meas. Sign Code	N	
MEA08	936	Meas. Attr. Code	N	
MEA09	752	Surf/Layer Pos. Code		

## Carrier Details (Quantity and Weight)

Segment:	TD1 - Carrier Details (Qty/Weight)
Level:	Detail (shipment level)
Max. Use:	1
Purpose:	To specify the transportation details relative to commodity, weight and quantity.
Example:	TD1*PLT71*2

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD101	103	Packaging Code	M ID 5/5	Any defined code is acceptable, i.e., PLT71 for pallet; BOX34 for cardboard box; SKD90 for skid.
TD102	080	Lading Quantity	M N0 1/7	Number of packages of the type specified in TD101.
TD103	023	Commodity Code Qualifier	N	
TD104	022	Commodity Code	N	
TD105	079	Lading Description	N	
TD106	187	Weight Qualifier	N	
TD107	091	Weight	N	
TD108	355	Unit of Measure Code	N	

## Carrier Details (Routing Seq/Transit Time)

Segment:	TD5 - Carrier Detail (Routing Sequence/Transit Time)
Level:	Detail (shipment level)
Max. Use:	1
Purpose:	To specify the carrier, routing sequence, and provide transit time information.
Comments:	One TD5 is required for each shipment. Do not use more than one TD5.
Example:	TD5*B*92*CNTR*M; TD5*B*92*CNTR*A***OR*GRR

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD501	133	Routing Sequence Code	M ID 1/2	B = Carrier is Origin/Delivery Carrier
TD502	066	Identification Code Qualifier	M ID 1/2	2 SCAC code 92 assigned by buyer
TD503	067	Identification Code	M AN 2/17	Carrier's SCAC Code
TD504	091	Transport. Meth. Mode	M ID 1/2	M = motor, A = air, etc. Valid codes are listed below table.
TD505	387	Routing	N	
TD506	368	Ship/Order Status Code	N	
TD507	309	Location Qualifier	C	OR for Origin Required if TD504 = A or AE
TD508	310	Location Ident	C	Airport Code (e.g., GRR)
TD509	731	Transit Direct. Code	N	
TD510	732	Transit Time Dir. Qual.	N	
TD511	733	Transit Time	N	

### Transportation Method Mode

The following are valid codes for segment TD5, element TD504: Transportation Method Mode:

- A - AIR
- AE - AIR EXPRESS
- C - CONSOLIDATION
- LT - LTL TRUCKLOAD
- M - MOTOR (COMMON CARRIER)

## Carrier Details (Equipment)

Segment:	TD3 - Carrier Details (Equipment)
Level:	Detail (shipment level)
Max. Use:	1
Purpose:	To specify transportation details relating to the equipment used by the carrier.
Comments:	Only one TD3 segment is used per shipment to identify the conveyance number.
Example:	TD3*TL**5

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD301	040	Equipment Desc. Code	M ID 2/2	TL = Trailer AF = Air Freight
TD302	206	Equipment Initial	N	
TD303	207	Equipment Number	M AN 1/10	Conveyance Number (i.e., trailer number or air bill number)
TD304	187	Weight Qualifier	N	
TD305	081	Weight	N	
TD306	355	Unit of Measure Code	N	
TD307	102	Ownership Code	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (shipment level)
Max. Use:	2
Purpose:	To specify identifying numbers.
Comments:	Used in the shipment level for: Air bill number - required if air shipment; Bill of Lading number - required if ground shipment.
Example:	REF*BM*123456REF*PK*2345

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference No. Qualifier	M ID 2/2	BM = Bill of Lading PK = Packing Slip* SI = Shipper Number*
REF02	127	Reference Number	M AN 1/30	Value referred to by previous element
REF03	352	Description	N	

**Note:** \*If not present in the shipment level of the 856, one of these (either PK or SI) must be present in the item level. Which of the two you use is optional, but only one of the two may be used throughout the transmittal.

## Name

Segment:	N1 - Name
Level:	Detail (shipment level)
Max. Use:	2
Purpose:	To identify a party by type of organization, name and code.
Comments:	The SF ship-from and ST ship-to segments are required.
Example:	N1*SF**01*123456789N1*ST**01*234567890

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	ST = Shipto SF = Shipfrom
M102	093	Name	N	
N103	066	Identification Code Qualifier	M ID 1/2	1 = DUNS Number ZZ = User-assigned 92 = Buyer-assigned Number
N104	067	Identification Code	M AN 2/17	Identifying Number from N103



## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (shipment level)
Max. Use:	1
Purpose:	To specify identifying numbers.
Comments:	Used to identify reference numbers associated with the ship-from or ship-to, such as ship-to dock code.
Example:	REF*DK*A1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	DK = Dock Code
REF02	127	Reference Number	M AN 1/30	
REF03	352	Description	N	

## Hierarchical Level

Segment:	HL - Hierarchal Level
Level:	Detail (item level)
Max. Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments.
Comments:	The HL segment is used to identify levels of detail information using hierarchical structure, such as relating line item data to shipment data. Infor Automotive will only use the shipment and item levels. Cancellation ASNs require only the shipment level.
Example:	HL*3*1*I (item level)

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
HL01	628	Hierarchical ID #	M AN 1/12	1 for the first HL segment, incremented by 1 in each subsequent HL segment within the transaction set.
HL02	734	Hierarchical Parent ID Number	M AN 1/12	The ID number of the parent HL segment. Required for all HL segments at the item level.
HL03	735	Hierarchical Level Code	M ID 1/2	I = Item
HL04	736	Hierarchical Child Code	N	

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail (item level)
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	LIN**BP*ABC-12345-123LIN**BP*0123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Ident.	N	
LIN02	235	Product ID Qualifier	M ID 2/2	BP = Buyer's Part Number VP = Vendor's Part Number
LIN03	234	Product ID	M AN 1/20	Part numbers are up to 20 characters in length only

## Item Detail (Shipment)

Segment:	SN1 - Item Detail (Shipment)
Level:	Detail (item level)
Max. Use:	1
Purpose:	To specify line item detail relative to shipment.
Comments:	Used to show the quantity being shipped, the unit of measure, and cumulative year to date shipments.
Example:	SN1**123*EA*1055

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SN101	350	Assigned Ident.	N	
SN102	382	Number of Units Shipped	M R 1/10	
SN103	355	Unit of Measure Code	M ID 2/2	Must use the unit of measure received on the material release 830.
SN104	646	Quantity Shipped to Date	O R 1/9	Cumulative quantity shipped for this model year, including this ASN.
SN105	330	Quantity Ordered	N	
SN016	355	Unit of Measure Code	N	
SN107	728	Ret Container Load Makeup	N	
SN108	668	Line Item Status Code	N	

## Purchase Order Reference

Segment:	PRF - Purchase Order Reference
Level:	Detail (item level)
Max. Use:	1
Purpose:	To provide reference to a specific purchase order.
Example:	PRF*PO123***880501

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PRF01	324	Purchase Order Number	M AN 1/22	
PRF02	328	Release Number	N	
PRF03	327	Chg. Order Seq. No.	N	
PRF04	323	Purchase Order Date	O DT 6/6	
PRF05	350	Assigned Ident.	N	
PRF06	367	Contract Number	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (item level)
Max. Use:	1
Purpose:	To specify identifying numbers.
Comments:	If serial numbers are to be sent, then the REF segments are required.
Example:	REF*PK*234567REF*SI*234567

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference NBR Qualifier	M ID 2/2	PK = Packing Slip* SI = Shipper Number*
REF02	127	Reference Number	M AN 1/8	
REF03	352	Description	N	

**Note:** \*If not present in the shipment level of the 856, one of these (either PK or SI) must be present in the item level. Which of the two you use is optional, but only one of the two may be used throughout the transmittal.

## Load Detail

Segment:	CLD - Load Detail
Level:	Detail (item level)
Max. Use:	1
Purpose:	To specify the number of material loads shipped.
Comments:	A CLD segment is required if serial numbers are to be sent.
Example:	CLD*123*12***EA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CLD01	622	No. Cust. Loads	M NO 1/5	Number of Loads Shipped
CLD02	382	No. Units Shipped	M R 1/10	Quantity Shipped Per Load
CLD03	103	Packaging Code	N	
CLD04	357	Size	N	
CLD05	355	Unit of Meas. Code	O ID 2/2	Must be the unit of measure code received on the 830

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set.
Comments:	This segment is intended to provide hash totals to validate transaction completeness and correctness.
Example:	CTT*2*100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of HL Segments
CTT02	347	Hash Total	M R 1/10	Required hash total of quantity shipped from all SN102 segments.
CTT03	081	Weight	N	
CTT04	355	Unit of Measure Code	N	
CTT05	183	Volume	N	
CTT06	355	Unit of Measure Code	N	
CTT07	352	Description	N	



## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Comments:	SE*25*00001
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	
SE02	329	Transaction Set	M AN 4/9	Matches ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ASNI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and sub-element separator (i.e., * and \).</p>	

The first 856 in the transmittal illustrates the use of the REF\*PK (or \*SI) designation at the shipment hierarchical level; the second shows its use at the item hierarchical level.

```
ISA*00* 00* 01*000000000 01*009571302 *880524*1333*X*00204*000000008*0*T*\ .
GS*SH*000000000*009571302*880524*1333*15*X*002040 .
ST*856*00061 .
BSN*00*628805*880524*1333 .
DTM*011*880524*1121 .
DTM*017*880524*1400 .
HL*1**S .
MEA*PD*G*3412*LB .
MEA*PD*T*867*LB .
TD1*PLT07*93 .
TD5*B*02*RDWY*M .
TD3*TL**7 .
REF*BM*628805 .
REF*PK*52803 .
```

```
N1*SF**92*000000000.  
N1*ST*PAULE PLATING SERVICE*01*009571302.  
HL*2*1*I.  
LIN**BP*2001.  
SN1**1110*EA*4133.  
PRF*21.  
CLD*2*500***EA.  
REF*SE*12345678.  
REF*SE*12345679.  
CLD*1*110***EA.  
REF*SE*12345680.  
CTT*2*1110.  
SE*25*00061.  
ST*856*00062.  
BSN*00*628806*880524*1333.  
DTM*011*880524*1122.  
DTM*017*880524*1500.  
HL*1**S.  
MEA*PD*G*20946*LB.  
MEA*PD*T*5826*LB.  
TD1*PLT25*876.  
TD5*B*92*CNTR*C.  
TD3*TL**5.  
REF*BM*628806.  
N1*SF**92*000000000.  
N1*ST*PAULE PLATING SERVICE*01*009571302.  
HL*2*1*I.  
LIN**BP*2000.  
SN1**2011*EA*10029.  
PRF*32424.  
REF*PK*628807.  
HL*3*1*I.  
LIN**BP*2001.  
SN1**8000*EA*12133.  
PRF*21  
REF*PK*628807.  
HL*4*1*I.  
LIN**BP*2002.  
SN1**151*EA*1381.  
PRF*22.  
REF*PK*628808.  
CTT*4*10162.  
SE*27*00062.  
GE*2*15.  
IEA*00001*000000008.
```

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (item level)
Max. Use:	200
Purpose:	To specify identifying numbers.
Comments:	If serial numbers are to be sent, then the REF segments are required.
Example:	REF*SE*12345678

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference NBR Qualifier	M ID 2/2	SE = Serial or Lot Number
REF02	127	Reference Number	M AN 1/8	
REF03	352	Description	N	

## 864 (Text)

This Infor Automotive standard provides the format and establishes the data contents of the 864.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BMG</a>	Beg Segment for Text Transaction	M	1	
<a href="#">DTM</a>	Date/Time Reference	O	1	
<a href="#">N1</a>	Name	O	1	N1/1
<a href="#">N3</a>	Address Information	O	2	N1/2
<a href="#">N4</a>	Geographic Location	O	1	N1/1
<a href="#">PER</a>	Admin Communications Contact	O	1	N1/1
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">MIT</a>	Message Identification	M	1	
<a href="#">MSG</a>	Message Text	M	999	
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 864 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*864*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set ID Code	M ID 3/3	864
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Segment for Text Transaction

Segment:	BMG - Beginning Segment for Text Transaction
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a text message transaction set.
Example:	BMG*00*Annual Shutdown message

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BMG01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original
BMG02	352	Description	M AN 1/30	The subject of the message.

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	1
Purpose:	To specify pertinent dates and times.
Example:	DTM*097*930601*1115

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	097 = Date and Time of Transaction Creation
DTM02	373	Date	M DT 6/6	
DTM03	337	Time	C TM 4/4	

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*1*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	ST = Shipto Location SF = Shipfrom Location*
N102	093	Name	O AN 1/35	Company Name
N103	066	ID Code Qualifier	M ID 1/2	1 = Duns Number ZZ = Mutually Defined
N104	067	ID Code	M AN 2/17	

**Note:** RPS users have the ability to define the data elements used in the N1\*SU and N1\*SF segments on the 830 document via fields in Vendor Communications Update. If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance). The controlling vendor code will then be used in the N1\*SU segment and the subvendor code will be used in the N1\*SF segment.



## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive; Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	
N302	166	Address	N	

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To specify the geographic location of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Ident.	N	

## Admin Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Heading
Max. Use:	1
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*BD*Purchasing Manager*TE*1(616)957-4444

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	BD = Buyer Name or Department
PER02	093	Name	O AN 1/35	SU = Supplier Contact
PER03	365	Communication No. Qualifier	O ID 2/2	TE = Telephone
PER04	364	Communication Number	O AN 7/21	Telephone Number

## Message Identification

Segment:	MIT - Message Identification
Level:	Detail
Max. Use:	1
Purpose:	To identify the beginning of a specific message and to allow the identification of a subject for the message.
Example:	MIT*Shutdown*Annual Company Shutdown

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MIT01	127	Reference Number	M AN 1/10	Text Identification
MIT02	352	Description	M AN 1/30	Text Message Description
MIT03	931	Page Width	O NO 1/3	Page width default is 80 characters.
MIT04	932	Page Length Linesber	O NO 1/3	Page length in lines default is 66.

## Message Text

Segment:	MSG - Message Text
Level:	Detail
Max. Use:	999
Purpose:	To provide a free-form format that would allow the transmission of text.
Example:	MSG*The shipping department will be shut down the week of 07/01/93*NP

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Freeform Message Text	M AN 1/70	
MSG02	934	Print Carr Cntrl Cd	M ID 2/2	NP = Advance to Next Page Before Print SS = Advance to New Line Before Print

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Example:	SE*25*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	
SE02	329	Transaction Set	M AN 4/9	Matches ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )

The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.

Any valid ANSI X.12 defined <control\_char> will be used for the data segment terminator (i.e., hex 1C).

Any valid ANSI X.12 defined <control\_char>, <special\_char>, or <other\_special\_char> will be used for the data element and subelement separator (i.e., \* and \).

The following represents a sample 864:

```

EDI.DOC.TRANSMIT001_MTI
864*000002
001 ISA*00**00**01*11111111*01*22222222
*930221*2221*U*00204*00000001*0*P*~.
002 GS*TX*11111111*22222222*930221*2221*1*X*002040.
003 ST*864*000000001.
004 BMG*00*Text doc description 30 max.
005 DTM*097*YYMMDD*HHMM.
006 N1*ST*Infor*1*11111111.
007 N3*3855 Sparks Dr.
008 N4*Grand Rapids*MI*49546.
009 PER*BD*MATERIAL MANAGER*TE*801/629-NNNN.
010 MIT*DocId10max*Text doc description 30 max.
011 N1*SF*Supplier Name*1*22222222.
012 N3*Supplier Address.
013 N4*City*MI*999999999.
014 PER*SU*Supplier Contact*TE*999/999-9999.

```

015 MSG*This is the first text line no more than 74 chars*NP.
016 MSG*This is the second text line*SS.
017 MSG*This is the last text line*SS.
018 SE*16*000000001.
019 GE*1*1*.
020 IEA*1*000000001.

## 850 (Purchase Order)

This Infor Automotive standard provides the format and establishes the data contents of the 850 (Purchase Order Transaction Set). The 850 establishes the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. The Purchase Order accommodates procurement of production and indirect materials or services. The 850 transaction set may also be used as a non-production material release.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BEG</a>	Beginning Segment for PO	M	1	
<a href="#">CUR</a>	Currency	O	1	
<a href="#">REF</a>	Reference No. (PO Revision No.)	O	1	
<a href="#">NTE</a>	Note/Special Instructions	O	999	
<a href="#">FOB</a>	FOB Related Instructions	O	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<a href="#">N1</a>	Name	M	1	N1/1
<a href="#">N3</a>	Address Information	M	1	N1/1
<a href="#">N4</a>	Geographic Location	M	1	N1/1
<i>Data Segment Sequence for Detail Area</i>				
<a href="#">PO1</a>	Baseline Item Data	M	1	PO1/100000
<a href="#">PID</a>	Product/Item Description	M	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	N1/200
<a href="#">N9</a>	Reference Number	O	1	N9/1000
<a href="#">MSG</a>	Message Text	O	999	
<a href="#">N1</a>	Name	O	1	N1/200
<a href="#">N3</a>	Address Information	M	1	N1/200
<a href="#">N4</a>	Geographic Location	M	1	N1/200
<i>Data Segment Sequence for Trailer Area</i>				
<a href="#">CTT</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	



## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 850 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	SE*850*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	850
ST02	329	Transaction Set Control Number	M R 9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beginning Segment for PO

Segment:	BEG - Beginning Segment for Purchase Order
Level:	Heading
Max. Use:	1
Purpose:	Beginning segment for purchase order transaction.
Comments:	The segment will indicate whether the purchase order is an original, addition, deletion or change. It will also indicate the PO number.
Example:	BEG*00*CF*123456789**970101

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BEG01	353	Transaction Set Purpose Code	M ID 2/2	possible values*: 00 = Original 02 = Add 03 = Delete 05 = Replace
BEG02	92	Purchase Order Type Code	M ID 2/2	Will always be CF (Confirmation)
BEG03	324	PO Number	M AN 1/9	
BEG04	328	Release Number	N	Not Used
BEG05	373	Purchase Order Date	M DT 6/6	Date P/O was issued Format is YYMMDD
BEG06	367	Contract Number	O AN 1/9	

**Note:** No schedule information will be sent on the 850 document, only information regarding purchase order, part, and pricing numbers.

\*The use of the purpose code will be based on the following criteria:

- **00 - Original:** The 00 purpose code will be used the first time the 850 document is sent to the vendor.
- **02 - Add:** The 02 purpose code will be used to add new line items to a 850 already sent to a vendor.
- **03 - Delete:** The 03 purpose code will be used to delete any line items on a 850 already sent to a vendor.
- **05 - Replace:** The 05 purpose code will be used when changing any line item information (such as price or unit of measure) on a previously sent 850 document.

## Currency

Segment:	CUR - Currency
Level:	Heading
Max. Use:	1
Purpose:	To indicate the currency associated with any monetary amount.
Comments:	This segment will only be available if the sender chooses to issue this information.
Example:	CUR*ZZ*USD

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CUR01	98	Entity Identifier Code	M ID 2/2	Will always be ZZ for Mutually Defined
CUR02	100	Currency Code	M ID 3/3	

## Reference No. (PO Revision No.)

Segment:	REF - Reference Number
Level:	Heading
Max. Use:	1
Purpose:	To transmit the PO revision number if available.
Comments:	If P.O. histories are being kept then the revision number of the PO will be sent in this segment.
Example:	REF*PP*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	Will always be PP to indicate a PO revision number
REF02	127	Reference Number	M N 9/9	This will always be the PO Revision Number, which has a mandatory length of nine (9).

## Note/Special Instructions

Segment:	NTE - Note/Special Instructions
Level:	Heading
Max. Use:	999
Purpose:	Any special notes that apply to the whole purchase order will be indicated in this segment.
Comments:	Even though X12 standards allow up to 100 NTE segments in the 850 ST loop, more may be sent if the user has written more than 100 lines on the PO record.
Example:	NTE*ZZZ*Freeform note may exist in this segment.

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
NTE01	363	Note Reference Code	M ID 3/3	ZZ = Mutually Defined
NTE02	3	Free-form Message	M AN 1/60	

## FOB Related Instructions

Segment:	FOB - F.O.B Related Instructions
Level:	Heading
Max. Use:	1
Purpose:	To indicate the free-on-board instructions pertaining to freight ownership.
Comments:	This segment will only be available if the sender chooses to issue this information.
Example:	FOB*CC*ZZ*FOBTEXT***ZZ*Ship Via

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FOB01	146	Shipment Method of Payment	M ID 2/2	CC = Collect PC = Prepaid Add PP = Prepaid
FOB02	309	Location Qualifier	M	Will always be ZZ for Mutually Defined
FOB03	352	FOB Point	O AN 1/15	FOB Point Description
FOB04	334	Transport Terms Qualifier Code	N	
FOB05	335	Transport Terms Code	N	
FOB06	309	Location Qualifier	C	Will always be ZZ for Mutually Defined
FOB07	352	Ship Via	O	Ship Via Description

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	2
Purpose:	To indicate the start and stop dates of the P.O.
Comments:	At least one DTM segment will be issued to indicate the start date. The ending date DTM segment is optional.
Example:	DTM*196*960101DTM*197*961231

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	196 = Start Date 197 = End Date
DTM02	373	Date	M DT 6/6	Format is YYMMDD

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify buyer and supplier parties.
Comments:	This segment will indicate the buyer and supplier identification information pertaining to this purchase order.
Example:	N1*BY*BUYER NAME*92*CCN1*SU*A1 SUPPLIER*92*001000

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	BY = Buyer SU = Supplier
N102	93	Name	M AN 1/30	Entity Name
N103	66	ID Code Qualifier	M ID 1/2	May be 92 (Buyer Defined)
N104	67	ID Code	M AN1/17	If N101 = BY, this will be the buyer's code for themselves.  If N101 = SU, this will be the buyer's code for the supplier.



## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	1
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.*OPTIONAL SECOND LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	O AN 1/30	If a second line of address is available, it will be sent in this data element.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To identify city, state, country.
Example:	N1*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M AN 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M AN 1/25	

## Baseline Item Data

Segment:	PO1 - Baseline Item Data
Level:	Detail
Max. Use:	1
Purpose:	To specify basic line item data
Comments:	The 850 document will not be used to convey any kind of order quantity, and is not a release to production. Therefore, no quantity or scheduling information will be sent on this document.
Example:	PO1**0*EA*135250*CP*BP*ABC123*VP*DEF456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PO101	350	Assigned Identification	N	Not Used
PO102	330	Quantity Ordered	N	Because the 850 document will only be used to relay price information, this value will always be set to zero.
PO103	355	Unit of Measure Code	O ID 2/2	
PO104	212	Unit Price	M R 1/14	Price will have an implied decimal point with 5 digit accuracy; i.e., a value of 150000 would equal 1.50000. This price will always be the most current price on file.
PO105	639	Basis of Unit Price Code	M ID 2/2	Will always be CP to indicate Current Price (subject to change)
PO 106	235	Product/Service ID Qualifier	M ID 2/2	Will always be BP to indicate Buyer's Part Number
PO107	234	Product/Service ID	M AN 1/20	Buyer's Part Number
PO108	235	Product/Service ID Qualifier	O ID 2/2	If the vendor's part number is available, this element will contain VP for Vendor's Part

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				Number.
PO109	234	Product/Service ID	C AN 1/20	If the vendor's part number is available, this element will contain the Vendor Part Number.

## Product/Item Description

Segment:	PID - Product/Item Description
Level:	Detail
Max. Use:	1
Purpose:	To describe a product in free-form format.
Example:	PID*F****FREE FORM PRODUCT DESCRIPTION

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PID01	349	Item Description Type	M	Will always be F for Freeform Description
PID02	750	Product Characteristic Code	N	Not Used
PID03	559	Agency Qualifier Code	N	Not Used
PID04	751	Product Description Code	N	Not Used
PID05	352	Free-form Description	M	

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Detail
Max. Use:	2
Purpose:	To indicate the start and stop dates of a PO detail for a given ship-to/ship-from site combination.
Comments:	At least one DTM segment will be issued to indicate the start date. The ending date DTM segment is optional.
Example:	DTM*196*960101DTM*197*961231

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	196 = Start Date 197 = End Date
DTM02	373	Date	M DT 6/6	Format is YYMMDD

## Reference Number

Segment:	N9 - Reference Number
Level:	Detail
Max. Use:	1
Purpose:	To identify the ship-from ID to which the message in the N9 loop pertains.
Comments:	The reference number in the N9 segment will be the ship-from vendor code to which the message in the N9 loop pertains.
Example:	N9*VR*001000

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N901	128	Reference Number Qualifier	M ID 2/2	Will always be VR to indicate Vendor Number
N902	127	Reference Number	M N 1/9	Vendor number to which the message in MSG segment pertains
N903	369	Freeform Description	N/A	Not Used
N904	373	Date	N/A	Not Used
N905	337	Time	N/A	Not Used

## Message Text

Segment:	MSG - Message Text
Level:	Detail
Max. Use:	999
Purpose:	To convey any message pertaining to the PO detail.
Example:	MSG*FREE FORM MESSAGE TEXT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Freeform Message Text	M AN 1/80	Any acknowledgment messages pertaining to detail will be in this spot.



## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify ship-from and ship-to plant for PO detail
Example:	N1*SF*SUPPLIER SHIP FROM*92*SFCODEN1*ST*TIER1 CUSTOMER*92*ABC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	SF = Ship-from ST = Ship-to
N102	93	Name	M AN 1/30	Entity Name
N103	66	ID Code Qualifier	M ID 1/2	92 = Buyer Defined
N104	67	ID Code	M AN1/17	If N101 = SF, this value will be the buyer's ship-from code for the vendor.  If N101 = ST, this value will be the buyer's ship-to plant code.

## Address Information

Segment:	N3 - Address Information
Level:	Detail
Max. Use:	1
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.*OPTIONAL SECOND LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	M AN 1/30	If a second line of address is available, it will be sent in this data element.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Detail
Max. Use:	1
Purpose:	To identify the city, state, and country.
Example:	N1*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M AN 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M AN 1/25	

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Trailer
Max. Use:	1
Purpose:	To transmit total number of line items in transaction set.
Example:	CTT*15

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	MR 1/6	

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Trailer
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide a count of the total number of segments.
Example:	SE*16*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	96	Number of Included Segments	M R 1/6	
SE02	329	Transaction Set Control Number	M R 9	Must match control number sent on the ST segment.

## 855 (Purchase Order Acknowledgment)

This Infor Automotive standard provides the format and establishes the data contents of the 855 (Purchase Order Acknowledgment Transaction Set). The supplier responds to your purchase order document transmission (850) with this acknowledgment by purchase order line item.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BAK</a>	Beginning Segment for Purchase Order	M	1	
<a href="#">REF</a>	Reference Segment (PO Revision)	O	1	
<a href="#">NTE</a>	Note/Special Instructions	O	999	
<a href="#">CUR</a>	Currency	O	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<a href="#">N1</a>	Name	M	1	N1/3
<a href="#">N3</a>	Address Information	M	1	
<a href="#">N4</a>	Geographic Location	M	1	
<i>Data Segment Sequence for Detail Area</i>				
<a href="#">PO1</a>	Baseline Item Data	M	1	PO1/10000
<a href="#">PID</a>	Product/Item Description	M	1	
<a href="#">MSG</a>	Message Text	O	999	
<a href="#">N1</a>	Name	M	1	N1/3
<a href="#">N3</a>	Address Information	O	1	
<a href="#">N4</a>	Geographic Location	O	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<i>Data Segment Sequence for Trailer Area</i>				
<a href="#">CTI</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 855 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*855*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	855
ST02	329	Transaction Set Control Number	M R 9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beginning Segment for Purchase Order

Segment:	BAK - Beginning Segment for PO Acknowledgment
Level:	Heading
Max. Use:	1
Purpose:	Beginning segment for purchase order acknowledgment.
Example:	BAK*00*AD*123456789*970101**123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BAK01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original 02 = Add 03 = Delete
BAK02	587	Acknowledgment Purpose	M ID 2/2	Will always be AD for Acknowledgment with Detail
BAK03	324	Purchase Order Number	M AN 1/9	Must be the PO sent on the corresponding 850 document.
BAK04	323	Purchase Order Date	M DT 6/6	Date PO was issued Format is YYMMDD
BAK05	328	Release Number	N	Not Used
BAK06	326	Request Reference Number	M AN 1/9	This value should be the ST/SE transaction set control number for the 850 document that is being acknowledged.



## Reference Segment (PO Revision)

Segment:	REF - Reference Number
Level:	Heading
Max. Use:	1
Purpose:	To transmit the PO revision number if available.
Comments:	If a PO revision was issued on the 850 document, then it should be returned via this segment.
Example:	REF*PP*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	Will always be PP to indicate a PO Revision Number
REF02	127	Reference Number	M N 9/9	This will always be the PO Revision Number with a length of nine (9) digits.

## Note/Special Instructions

Segment:	NTE - Note/Special Instructions
Level:	Heading
&Euml;x. Use:	999
Purpose:	To convey any special notes pertaining to the acknowledgment.
Example:	NTE**Any special notes.

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
NTE01	363	Note Reference Code	N	Not Used
NTE02	3	Free-form Message	O AN 1/60	

## Currency

Segment:	CUR - Currency
Level:	Heading
Max. Use:	1
Purpose:	To indicate the currency associated with any monetary amount.
Comments:	This segment will only be available if the sender chooses to issue this information.
Example:	CUR*ZZ*USD

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CUR01	98	Entity Identifier Code	M ID 2/2	Will always be ZZ for Mutually Defined
CUR02	100	Currency Code	M ID 3/3	

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	2
Purpose:	To acknowledge the start and stop dates of the PO.
Comments:	At least one DTM segment must be sent to acknowledge the PO start date. The ending date DTM segment is only required if a ending date was sent on the corresponding 850.
Example:	DTM*196*960101DTM*197*961231

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	196 = Start Date 197 = End Date
DTM02	373	Date	M DT 6/6	Format is YYMMDD

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify buyer and supplier parties.
Comments:	This segment will acknowledge the buyer and supplier information pertaining to this purchase order.
Example:	N1*BY*BUYER NAME*92*CCN1*SU*A1 SUPPLIER*92*001000

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	BY = Buyer SU = Supplier
N102	93	Name	M AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	92 = Buyer Defined
N104	67	Identification Code	M AN 1/9	This is a buyer-assigned code.  If N101 = BY, this will be the buyer's code for themselves.  If N101 = SU, this will be the buyer's code for the supplier.

## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	1
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	M AN 1/30	If a second line of address is available, it will be sent in this data element.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To identify city, state, country.
Example:	N1*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M ID 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M ID 1/25	

## Baseline Item Data

Segment:	PO1 - Baseline Item Data
Level:	Detail
Max. Use:	1
Purpose:	To confirm basic line item data sent on corresponding 850 document.
Comments:	The 855 document will not be used to convey any kind of order quantity. Therefore no quantity or scheduling information will be sent on this document.
Example:	PO1**0*EA*132450*CP*BP*ABC123*VP*DEF456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PO101	350	Assigned Identification	N	Not Used
PO102	330	Quantity Ordered	N	Because the corresponding 850 document will only be used to relay price information, this value will always be set to zero.
PO103	355	Unit of Measure Code	O ID 2/2	
PO104	212	Unit Price	M R 1/14	Price should not include decimal point. There will be implied 5-digit accuracy. This value should be the most current price available.
PO105	639	Basis of Unit Price Code	M ID 2/2	Will always be CP to indicate Current Price (subject to change)
PO 106	235	Product/Service ID Qualifier	M ID 2/2	Will always be BP to indicate Buyer's Part Number
PO107	234	Product/Service ID	M AN 1/20	Buyer's Part Number
PO108	235	Product/Service ID Qualifier	O ID 2/2	If vendor's part number is available this element will contain VP for Vendor's Part Number.



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PO109	234	Product/Service ID	C AN 1/20	If vendor's part number is available, this element will contain the Vendor Part Number.
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## Product/Item Description

Segment:	PID - Product/Item Description
Level:	Detail
Max. Use:	1
Purpose:	To describe a product in free-form format.
Example:	PID*F****FREE FORM PRODUCT DESCRIPTION

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PID01	349	Item Description Type	M	Will always be F for Freeform Description
PID02	750	Product Characteristic Code	N	Not Used
PID03	559	Agency Qualifier Code	N	Not Used
PID04	751	Product Description Code	N	Not Used
PID05	352	Free-form Description	M	

## Message Text

Segment:	MSG - Message Text
Level:	Detail
Max. Use:	999
Purpose:	To convey any message pertaining to the PO acknowledgment detail.
Example:	MSG*FREE FORM MESSAGE TEXT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Freeform Message Text	O	

## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To acknowledge ship-from and ship-to plant for PO detail
Example:	N1*SF*SUPPLIER SHIP FROM*92*SFCODEN1*ST*TIER1 CUSTOMER*92*ABC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	SF = Ship-from ST = Ship-to
N102	93	Name	M AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	92 = Buyer Defined
N104	67	Identification Code	M AN1/17	If N101 = SF, this value will be the buyer's ship-from code for the vendor.  If N101 = ST, this value will be the buyer's ship-to plant code.

## Address Information

Segment:	N3 - Address Information
Level:	Detail
Max. Use:	1
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.*OPTIONAL SECOND LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	M AN 1/30	If a second line of address is available, it will be sent in this data element.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Detail
Max. Use:	1
Purpose:	To identify city, state, country.
Example:	N1*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M ID 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M ID 1/25	

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Detail
Max. Use:	2
Purpose:	To acknowledge the start and stop dates of a P/O detail for a given ship-to/ ship-from site combination.
Comments:	At least one DTM segment must be present to acknowledge the start date. The ending date DTM segment is only required if sent on the corresponding 850.
Example:	DTM*196*960101DTM*197*961231

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	196 = Start Date 197 = Stop Date
DTM02	373	Date	M DT 6/6	Format is YYMMDD

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Trailer
Max. Use:	1
Purpose:	To transmit total number of line items in transaction set.
Example:	CTT*15

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	MR 1/6	



## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Trailer
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide a count of the total number of segments.
Example:	SE*13*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	96	Number of Included Segments	M R 1/6	
SE02	329	Transaction Set Control Number	M R 9	Must match control number sent on the SE segment.

## 824 (Application Advice)

This Infor Automotive standard provides the format and establishes the data contents of the 824 (Application Advice Transaction Set). The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection, or acceptance with change of any transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BGN</a>	Beg Seg for Application Advice	M	1	
<a href="#">N1</a>	Name	O	1	N1/2
<a href="#">N3</a>	Address Information	O	2	N1/2
<a href="#">N4</a>	Geographic Location	O	1	N1/2
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">OTI</a>	Original Transaction Identification	M	1	OTI/10000
<a href="#">REF</a>	Reference Numbers	O	2	OTI/10000
<a href="#">TED</a>	Technical Error Description	O	1	TED/10000
<a href="#">NTE</a>	Note/Special Instructions	O	1	TED/10000
<i>Data Segment Sequence for the Trailer Area</i>				
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 824 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*824*1234566789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	824
ST02	329	Transaction Set Control Number	M R 9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Application Advice

Segment:	BGN - Beginning Segment for Application Advice
Level:	Heading
Max. Use:	1
Purpose:	Beginning segment for application advice transaction.
Comments:	This segment will indicate the transaction control number associated with the 856 that this transaction refers to. It will also contain the date and time.
Example:	BGN*00*987654321**980301*0900

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BGN01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original
BGN02	127	Reference Number	M AN 1/30	Transaction Control Number of the 856 document that this 824 is referring to.
BGN03	373	Date	M DT 6/6	Current Date
BGN04	337	Time	X TM 4/6	Current Time

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify supplier and ship-to parties.
Comments:	This segment will indicate the supplier and ship-to identification information pertaining to this application advice.
Example:	N1*SU*SUPPLIER NAME*92*CCN1*ST*SHIP TO NAME*92*CC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	ST = Shipto Location SU = Supplier Location
N102	93	Name	O AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	May be 92 (Ship-to Defined)
N104	67	Identification Code	M AN 1/17	If N101 = ST, this will be the ship-to code from the received 856.  If N101 = SU, this will be the supplier code contained on the 856 received.

## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST*OPTIONAL SECOND LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/30	
N302	166	Address	M AN 1/30	If a second line of address is available, it will be sent in this data element.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To identify city, state, and country.
Example:	N4*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M AN 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M ID 1/25	

## Original Transaction Identification

Segment:	OTI - Original Transaction Identification
Level:	Detail
Max. Use:	1
Purpose:	To identify the transaction set that this 824 is responding to, the level at which the results are reported, and to indicate whether it is accepted, rejected, or accepted with errors.
Comments:	This segment will identify the ship ID number found on the received 856 to which it is responding, and will indicate whether the 856 was accepted, rejected, or accepted with errors.
Example:	OTI*TA*SI*SHIP#123***980301*0900***856

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
OTI01	110	Application Acknowledgment Code	M ID 1/2	possible values: TA = Transaction Accepted TE = Transaction Accepted with Errors TR = Transaction Rejected
OTI02	128	Reference Number Qualifier	M ID 2/2	Will always be SI to indicate Shipment ID Number
OTI03	127	Reference Number	M AN 1/30	Shipment ID Number
OTI04	142	Application Sender's Code	O AN 2/15	Not Used
OTI05	124	Application Receiver's Code	O AN 2/15	Not Used
OTI06	373	Date	O DT 6/6	Format is YYMMDD
OTI07	337	Time	O TM 4/6	Format is HHMM
OTI08	28	Group Control Number	X N0 1/9	Not Used
OTI09	329	Transaction Set Control Number	O ID 4/9	Not Used
OTI010	123	Transaction Set Identifier Code	O ID 3/3	Will always be 856 to indicate that the 824 is responding to an 856 (Advance Ship Notice)



## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	2
Purpose:	To transmit the Bill of Lading and Part number to which this transaction applies.
Comments:	There may be two occurrences of the REF segment: to convey the Bill of Lading number from the 856, or to convey the part number from the 856.
Example:	REF*BM*123456REF*PM*A22456789BBC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	BM = Bill of Lading PM = Part Number
REF02	127	Reference Number	M AN 9	If REF01 = BM, this will contain the Bill of Lading number from the 856 to which this OTI segment applies.  If REF01 = PM, this will contain the part number from the 856.

## Technical Error Description

Segment:	TED - Technical Error Description
Level:	Detail
Max. Use:	1
Purpose:	To identify the error.
Comments:	This segment will contain an application error code and an error type description.
Example:	TED*7*MISSING DATA*REF****123456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TED01	647	Application Error Condition Code	M ID 1/3	Will be an error code indicating the type of error encountered.
TED02	3	Free-Form Message	O AN 1/60	A description of the type of error encountered (error code description).
TED03	721	Segment ID Code	O ID 2/3	The segment in which the error was encountered
TED04	719	Segment Position in Transaction Set	O N0 1/6	Not Used
TED05	722	Element Position in Segment	O N0 1/4	Not Used
TED06	725	Data Element Reference Number	O N0 1/4	Not Used
TED07	724	Copy of Bad Data Element	O AN 1/99	The value of the element which is in error.

## Note/Special Instructions

Segment:	NTE - Note/Special Instructions
Level:	Detail
Max. Use:	1
Purpose:	To supply further information about the error encountered.
Comments:	This segment will contain the actual error generated by RPS when loading the 856.
Example:	NTE*LIN*BILL OF LADING NUMBER IS MISSING

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
NTE01	363	Note Reference Code	M ID 3/3	ZZZ = Mutually Defined
NTE02	3	Free-form Message	M AN 1/60	Will be the error message issued by RPS during the load of the 856

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*25*0000000005

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

## 830 (Planning Schedule with Release Capacity)

This Infor Automotive standard provides the format and establishes the data contents of the 830 (Planning Schedule with Release Capability Transaction Set). The planning schedule with release capability transaction set provides for customary and established business practice relative to the transfer of forecasting/material release information between organizations.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BFR</a>	Beg Seg for Planning Schedule	M	1	
<a href="#">N1</a>	Name	M	1	N1/200
<a href="#">N3</a>	Address Information	M	2	
<a href="#">N4</a>	Geographic Location	O	1	
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">LIN</a>	Item Identification	M	1	LIN/10000
<a href="#">UIT</a>	Unit Detail	M	1	
<a href="#">PID</a>	Product/Item Description	M	1000	
<a href="#">REF</a>	Reference Numbers	M	2	
<a href="#">PER</a>	Admin Communications Contact	O	3	
<a href="#">ATH</a>	Resource Authorization	M	20	
<a href="#">N1</a>	Name	O	1	
<a href="#">N3</a>	Address Information	O	2	
<a href="#">N4</a>	Geographic Location	O	1	
<a href="#">SDP</a>	Ship/Delivery Pattern	O	1	SDP/260 S
<a href="#">FST</a>	Forecast Schedule	M	260	SDP
<a href="#">SHP</a>	Shipped/Received Information	M	1	SHP/25
<a href="#">REF</a>	Reference Numbers	O	5	SHP
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">CTT</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

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<a href="#">Sample 830</a>			
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## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 830 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*830*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set ID Code	M ID 3/3	830
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Planning Schedule

Segment:	BFR - Beginning Segment for Planning Schedule
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates.
Example:	BFR*05**917001*SH*A*910228*920101*910220***

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BFR01	353	Transaction Set Purpose Code	M ID 2/2	05 = Replace
BFR02	127	Reference Number	N	
BFR03	328	Release Number	M AN 1/30	
BFR04	675	Schedule Type Qualifier	M ID 2/2	SH = Shipment Based DL = Delivery Based
BFR05	676	Schedule Quantity Qualifier	M ID 1/1	"A" Net Quantities
BFR06	373	Date	M DT 6/6	Start Date
BFR07	373	Date	M DT 6/6	End Date
BFR08	373	Date	M DT 6/6	Release Issue Date
BFR09	373	Date	N	
BFR10	367	Contract Number	N	
BFR11	324	P.O. Number	O AN 1/22	If there is only one purchase order number for the entire release, use the PO number; otherwise, put the PO number in the LIN segment.



## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	BT = Bill-to Party ST = Shipto Location SU = Supplier Location* SF = Shipfrom Location*
N102	093	Name	O AN 1/35	Company Name
N103	066	ID Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	ID Code	M AN 2/9	

**Note:** \*RPS users have the ability to define the data elements used in the N1\*SU and N1\*SF segments on the 830 document via fields in Vendor Communications Update. If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance). The controlling vendor code will then be used in the N1\*SU segment and the subvendor code will be used in the N1\*SF segment.

## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive; Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	
N302	166	Address	N	

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To specify the geographic place of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Ident.	N	

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	LIN**BP*255*VP*2341123*EC*123

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Ident.	N	
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number
LIN03	234	Product/Service ID	M AN 1/20	Part Number
LIN04	235	Product/Service ID Qualifier	O ID 2/2	VP = Vendor's Part Number
LIN05	234	Product/Service ID	O AN 1/20	Part Number
LIN06	235	Product/Service ID Qualifier	O AN 2/2	EC = Engineering Change
LIN07	234	Product/Service ID	O AN 1/20	Engineering Change Revision Level
LIN08	235	Product/Service ID Qualifier	O AN 2/2	PO = Purchase Order
LIN09	234	Product/Service ID	O AN 1/20	Purchase Order Number

**Note:** If multiple PO numbers exist, the PO number will show up on the LIN segment for each detail; otherwise, the PO number will show up on the BFR segment.

**Note:** The VP, EC, and PO qualifiers (with associated values) can appear in any order in LIN04/05, LIN06/07, and LIN08/09.

## Unit Detail

Segment:	UIT - Unit Detail
Level:	Detail
Max. Use:	1
Purpose:	To specify item unit data.
Example:	UIT*EA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
UIT01	355	Unit of Measure Code	M ID 2/2	
UIT02	212	Unit Price	O R 1/14	

## Product/Item Description

Segment:	PID - Product/Item Description
Level:	Detail
Max. Use:	1000
Purpose:	To describe a product or process in coded or freeform format.
Example:	PID*F****Sheet Metal

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PID01	349	Item Description Type	M ID 1/1	F = Freeform
PID02	750	Prod/Proc Char Code	N	
PID03	348	Item Desc. Qualifier	N	
PID04	751	Product Desc. Code	N	
PID05	352	Description	M AN 1/80	
PID06	752	Surf/Layer Pos Code	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	2
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*DK*DOCK1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	DK = Dock Code
REF02	127	Reference Number	M AN 1/30	
REF03	352	Description	N	

## Admin Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Detail
Max. Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*BD*SUE*TE*555-1234

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	BD = Buyer Name or Department EX = Expeditor SC = Schedule Contact
PER02	093	Name	O AN 1/35	
PER03	365	Communication No. Qualifier	O ID 2/2	TE = Telephone
PER04	364	Communication Number	O AN 7/21	Telephone Number



## Resource Authorization

Segment:	ATH - Resource Authorization
Level:	Detail
Max. Use:	20
Purpose:	To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule.
Example:	ATH*PQ**22**971212ATH*FI*970625*980*051121ATH*MI*970626*980*051121

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ATH01	672	Resource Authorization Code	M ID 2/2	FI = Finished Inventory MT = Material Inventory PQ = Cumulative Quantity Required Prior to First Schedule Period
ATH02	373	Date	O DT 6/6	Used for Codes FI and MT
ATH03	380	Quantity	M R 1/10	
ATH04	380	Quantity	N	
ATH05	373	Date	M DT 6/6	Cumulative Quantity Start Date

## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	ST = Ship-to Location
N102	093	Name	O AN 1/35	Company Name
N103	066	ID Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	ID Code	M AN 2/9	

## Address Information

Segment:	N3 - Address Information
Level:	Detail
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive; Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	Ship-to Address Line 1
N302	166	Address	N	Ship-to Address Line 2

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Detail
Max. Use:	1
Purpose:	To specify the geographic place of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Ident.	N	

## Ship/Delivery Pattern

Segment:	SDP - Ship/Delivery Pattern
Level:	Detail
Max. Use:	1
Purpose:	To identify specific ship/delivery requirements.
Example:	SDP*S*Z

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SDP01	678	Ship/Delivery Pattern Code	M ID 1/2	Any Valid Code
SDP02	679	Ship/Delivery Pattern Time	M ID 1/1	Z = Mutually Defined
SDP03	678	Ship/Delivery Pattern Code	N	
SDP04	679	Ship/Delivery Pattern Time	N	
SDP05	678	Ship/Delivery Pattern Code	N	
SDP06	679	Ship/Delivery Pattern Time	N	
SDP07	678	Ship/Delivery Pattern Code	N	
SDP08	679	Ship/Delivery Pattern Time	N	

## Forecast Schedule

Segment:	FST - Forecast Schedule
Level:	Detail
Max. Use:	260
Purpose:	To specify the forecasted dates and quantities.
Example:	FST*2050*C*D*910204

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FST01	380	Quantity	M R 1/10	
FST02	680	Forecast Qualifier	M ID 1/1	A = Immediate Quantity C = Firm Quantity D = Planning Quantity
FST03	681	Forecast Timing Qualifier	M ID 1/1	D = Discrete W = Weekly F = Flexible Time Interval
FST04	373	Date	M DT 6/6	Delivery/Ship Date
FST05	373	Date	C DT 6/6	End Date
FST06	374	Date/Time Qualifier	N	
FST07	337	Time	N	
FST08	128	Reference No. Qualifier	N	
FST09	127	Reference Number	N	

## Shipped/Received Information

Segment:	SHP - Shipped/Received Information
Level:	Detail
Max. Use:	1
Purpose:	To specify shipment and/or receipt information.
Example:	SHP*01*52*050*900827

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SHP01	673	Quantity Qualifier	M ID 2/2	01 = Discrete 02 = Cumulative
SHP02	380	Quantity	C R 1/10	Last Receipt Qty if SHP01 = 01 Cum Receipt Qty if SHP01 = 02
SHP03	374	Date/Time Qualifier	O ID 3/3	When SHP = 01: 011 Shipped 050 Received When SHP = 02: 011 Shipped 050 Received 051 Cum Qty
SHP04	373	Date	C DT 6/6	Last Receipt Date if SHP03 = 050 Cum Start Date if SHP03 = 051 Ship Date if SHP03 = 011
SHP05	337	Time	N	
SHP06	373	Date	O	Cum End Date if SHP03 = 051
SHP07	337	Time	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	5
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*SI*45

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	SI = Last Received Shipment Identification Number
REF02	127	Reference Number	M AN 1/30	
REF03	352	Description	N	



## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for the forecast quantity within the transaction set.
Example:	CTT*1*1600

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of LIN Segments
CTT02	347	Quantity Hash Total	M R 1/10	
CTT03	081	Weight	N	
CTT04	355	Unit of Measure Code	N	
CTT05	183	Volume	N	
CTT06	355	Unit of Measure Code	N	
CTT07	352	Description	N	

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*25*0000000005

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ASNI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and subelement separator (i.e., * and \).</p>	

## Sample 830

The following represents a sample 830:

```
ISA*00* 00* 01*005346481 01*005346481 940613*102
(ISA cont.) 5*U*02040*000000333*0*P*\
GS*PS*005346481*005346481*940613*1025*000000433*X*003060.
ST*830*000001048.
BFR*05**929701*DL*A*940606*950531*940613***.
N1*ST*Infor Automotive*1*009571302.
N3*3855 Sparks Dr. #201.
N4*GRAND RAPIDS*MI*49506.
N1*SU*UNIVERSAL SUPPLY INC.*92*1000.
N3*2107 CROOKS ROAD.
N4*TORONTO*ONT*L16 1H8.
PER*SC**TE*416/555-1256.
N1*Sf*UNIVERSAL SUPPLY INC.*92*1000.
N3*2107 CROOKS ROAD.
N4*TORONTO*ONT*L16 1H8.
PER*SC**TE*416/555-1256.
LIN**BP*440*VP*VP440*PO*PO123.
UIT*EA*2.00000.
PID*F****WIDGETS.
REF*DK*DOCK1.
PER*BD*John Doe*TE*616/957-4444.
ATH*PQ**10000**940101.
SDP*S*Z.
FST*600*C*D*940606.
FST*5000*D*W*940704.
FST*10000*D*F*940905*941002.
SHP*01*10000*050*940613.
REF*SI*987654321.
SHP*02*10000*051*940606**940613.
LIN**BP*4562*VP*100*EC*123*PO*PO456.
UIT*EA.
PID*F****WIDGET COUPLING.
PER*BD*John Doe*TE*616/957-4444.
ATH*PQ**0**900819.
ATH*MT**600**900819.
SDP*S*Z.
FST*50*C*D*940606.
FST*50*C*D*940613.
FST*150*C*W*940627.
FST*2000*D*W*940801.
CTT*2*20550.
SE*49*000001048.
GE*1*000000433.
IEA*1*000000333.
```

## 820 (Payment Order/Remittance Advice)

This Infor Automotive standard provides the format and establishes the data contents of the 820 (Payment Order/Remittance Advice) Transaction Set. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice.

**Important!** This transaction set specification represents the structure of an *outbound* 820 document, as generated within the Accounts Payable (AP) system of TRANS4M.

TRANS4M uses the outbound 820 to:

- Order a financial institution to make payment to payee(s) on behalf of the sending party.
- Report the completion of a payment to payee(s) by a financial institution.
- Give advice (to the payee by the payer) on the application of a payment made with the payment order or by some other means.

**Note:** The examples presented for the data segments represent an outbound 820 that has been sent directly from the payer to the payee.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BPR</a>	Beginning Segment for Payment Order/Remittance Advice	M	1	
<a href="#">TRN</a>	Trace	O	1	
<a href="#">CUR</a>	Currency	O	1	
<a href="#">N1</a>	Name	O	1	
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">ENT</a>	Entity	O	1	>1
<a href="#">RMR</a>	Remittance Advice Accounts Receivable Open Item Reference	O	1	>1
<a href="#">REF</a>	Reference Identification	O	>1	
<a href="#">DTM</a>	Date/Time Reference	O	>1	
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">SE</a>	Transaction Set Trailer	M	1	
<a href="#">Sample 820</a>				

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 820 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*820*000016736

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M/Z ID 3/3	820
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beginning Segment for Payment Order/Remittance Advice

Segment:	BPR - Beginning Segment for Payment Order/Remittance Advice
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur.
Comments:	
Example:	BPR*I*4221.32*C*ACH**01*****01*012345678*DA*987654321*20040206

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BPR01	305	Transaction Handling Code	M ID 1/2	Payment and Remittance = Constant "C" Remittance Only = Constant "I"
BPR02	782	Monetary Amount	M/Z R 1/18	Total Check Amount
BPR03	478	Credit/Debit Flag Code	M ID 1/1	Constant "C" for credit
BPR04	591	Payment Method Code	M ID 3/3	Constant "ACH" for automated clearing house
BPR05	812	Payment Format Code	O ID 1/10	CCD = Cash Concentration or Disbursement CCP = Cash Concentration or Disbursement with Addenda CTD = Corporate Trade Exchange
BPR06	506	(DFI) ID Number Qualifier (Sender)	X/Z ID 2/2	Constant "01" for ABA transit routing number, including check digits (nine [9] digits)
BPR07	507	(DFI) Identification Number (Sender)	X AN 3/12	DFI sort/route number for Sender
BPR08	569	Account Number Qualifier (Sender)	O/Z ID 1/3	DA = Checking account SG = Savings

---

				account
BPR09	508	Account Number (Sender)	X/Z AN 1/35	
BPR10	509	Originating Company Identifier	O AN 10/10	DUNS number of Sender, prefixed by "3"
BPR11	510	Originating Company Supplemental Code	O AN 9/9	Leave blank
BPR12	506	(DFI) ID Number Qualifier (Receiver)	X/Z ID 2/2	Constant "01" for ABA transit routine number, including check digits (nine [9] digits)
BPR13	507	(DFI) Identification Number (Receiver)	X AN 3/12	DFI sort/rout number for Receiver
BPR14	569	Account Number Qualifier (Receiver)	O/Z ID 1/3	DA = Checking account SG = Savings account
BPR15	508	Account Number (Receiver)	X/Z AN 1/35	
BPR16	373	Date	O/Z DT 8/8	Effective entry date; format: YYYYMMDD

## Trace

Segment:	TRN - Trace
Level:	Heading
Max. Use:	1
Purpose:	To uniquely identify a transaction to an application.
Comments:	
Example:	TRN*3*4000013

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TRN01	481	Trace Type Code	M ID 2/2	Constant "1" implies payment and remittance have not been separated. Constant "3" implies payment and remittance have been separated.
TRN02	127	Reference Identification	M/Z AN 1/30	
TRN03	509	Originating Company Identifier	O/Z AN 10/10	If TRN02 = "1", this will be the Sender DUNS prefix (3), followed by the Sender's DUNS number  If TRN02 = "3", this will be the check number



## Currency

Segment:	CUR - Currency
Level:	Heading
Max. Use:	1
Purpose:	To specify the currency used in a transaction.
Comments:	
Example:	CUR*PR*CAD

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CUR01	98	Entity Identifier Code	M ID 2/2	Constant "PR" for payer
CUR02	100	Currency Code	M ID 3/3	Any valid ISO-4217 currency code

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	2
Purpose:	To identify a party type of organization, name, and code.
Comments:	Both N1 segments are required (Payer/Payee).
Example:	N1*PR*Name of Payer*01*123456789 N1*PE*Name of Payee*92*5555

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/3	Constant PR for payer Constant PE for payee
N102	93	Name	X AN 1/60	Name of payer or payee
N103	66	Identification Code Qualifier	X ID 1/2	01 for DUNS 92 for user-defined value
N104	67	Identification Code	X AN 2/80	

## Entity

Segment:	ENT - Entity
Level:	Detail
Max. Use:	1
Purpose:	To designate the entities which are parties to a transaction and specify a reference meaningful to those entities.
Comments:	
Example:	ENT*1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ENT01	554	Assigned Number	O N0 1/6	Constant "1"

## Remittance Advice Accounts Receivable Open Item Reference

Segment:	RMR - Remittance Advice Accounts Receivable Open Item Reference
Level:	Detail
Max. Use:	1
Purpose:	To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail.
Comments:	
Example:	RMR*IV*5324**1591.32*1591.32*0.00

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
RMR01	128	Reference Identification Qualifier	X ID 2/3	Constant "IV" for the seller's invoice number
RMR02	127	Reference Identification	X AN 1/30	Invoice Number
RMR03	482	Payment Action Code	O/Z ID 2/2	Leave blank
RMR04	782	Monetary Amount	O/Z R 1/18	Net amount
RMR05	782	Monetary Amount	O/Z R 1/18	Gross amount
RMR06	782	Monetary Amount	O/Z R 1/18	Discount amount

## Reference Identification

Segment:	REF - Reference Identification
Level:	Detail
Max. Use:	1
Purpose:	To specify identifying information.
Comments:	
Example:	REF*BM*AB123 REF*PK*00100853

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/3	BM for Bill of Lading number PK for Packing Slip number
REF02	127	Reference Identification	X AN 1/30	
REF03	352	Description	X AN 1/80	Leave blank

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Detail
Max. Use:	1
Purpose:	To specify pertinent dates and times.
Comments:	
Example:	DTM*003*20040201***20

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	Constant 003 for invoice
DTM02	373	Date	X DT 8/8	Invoice Date; format YYYYMMDD
DTM03	337	Time	X TM 4/8	Leave blank
DTM04	623	Time Code	O ID 2/2	Leave blank
DTM05	1250	Date Time Period Format Qualifier	X ID 2/3	Century

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning [ST] and ending [SE] segments).
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*14*000016736

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/10	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

## Sample 820

**Note:** The example represents an outbound 820 that has been sent directly from the payer (e.g., Infor Automotive) to the payee.

The following represents a sample 820:

```
ISA*00* 00* 01*005346481 01*005346481 940613*102
(ISA cont.) 5*U*02040*000000333*0*P*\
GS*PS*005346481*005346481*940613*1025*000000433*X*004010.
ST*820*000016736
BPR*I*4221.32*C*ACH**01*****01*012345678*DA*987654321*20040206
TRN*3*4000013
CUR*PR*CAD
N1*PR*Payer Name*01*123456789
N1*PE*Payee Name*92*5555
ENT*1
RMR*IV*5324**1591.32*1591.32*0.00
DTM*003*20040201***20
RMR*IV*5327**1650.00*1650.00*0.00
DTM*003*20040201***20
RMR*IV*96**980.00*1000.00*20.00
DTM*003*20040203***20
SE*14*000016736
```



## 824 (Application Advice)

This Infor Automotive standard provides the format and establishes the data contents of the 824 (Application Advice Transaction Set). The transaction set provides the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection, or acceptance with change of any transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BGN</a>	Beg Seg for Application Advice	M	1	
<a href="#">N1</a>	Name	O	1	N1/2
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">OTI</a>	Original Transaction Identification	M	1	OTI/10000
<a href="#">REF</a>	Reference Numbers	O	2	OTI/10000
<a href="#">TED</a>	Technical Error Description	O	1	TED/10000
<i>Data Segment Sequence for the Trailer Area</i>				
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 824 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*824*1234566789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	824
ST02	329	Transaction Set Control Number	M R 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Application Advice

Segment:	BGN - Beginning Segment for Application Advice
Level:	Heading
Max. Use:	1
Purpose:	Beginning segment for application advice transaction.
Comments:	This segment will indicate the transaction control number associated with the 856 that this transaction refers to. It will also contain the date and time.
Example:	BGN*00*987654321**980301*0900

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BGN01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original
BGN02	127	Reference Number	M AN 1/30	Transaction Control Number of the 856 document to which this 824 is referring.
BGN03	373	Date	M DT 8/8	Current Date
BGN04	337	Time	X TM 4/8	Current Time

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify supplier and ship-to parties.
Comments:	This segment will indicate the supplier and ship-to identification information pertaining to this application advice.
Example:	N1*SU*SUPPLIER NAME*92*CCN1*ST*SHIP TO NAME*92*CC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	ST = Shipto Location SU = Supplier Location
N102	93	Name	O AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	May be 92 (Ship-to Defined)
N104	67	Identification Code	M AN 1/17	If N101 = ST, this will be the ship-to code from the received 856.  If N101 = SU, this will be the supplier code contained on the 856 received.

## Original Transaction Identification

Segment:	OTI - Original Transaction Identification
Level:	Detail
Max. Use:	1
Purpose:	To identify the transaction set that this 824 is responding to, the level at which the results are reported, and to indicate whether it is accepted, rejected, or accepted with errors.
Comments:	This segment will identify the ship ID number found on the received 856 to which it is responding, and will indicate whether the 856 was accepted, rejected, or accepted with errors.
Example:	OTI*TA*SI*SHIP#123***19980301*0900***856

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
OTI01	110	Application Acknowledgment Code	M ID 1/2	possible values: TA = Transaction Accepted TE = Transaction Accepted with Errors TR = Transaction Rejected
OTI02	128	Reference Number Qualifier	M ID 2/2	Will always be SI to indicate Shipment ID Number.
OTI03	127	Reference Number	M AN 1/30	Shipment ID Number
OTI04	142	Application Sender's Code	O AN 2/15	Not Used
OTI05	124	Application Receiver's Code	O AN 2/15	Not Used
OTI06	373	Date	O DT 8/8	Format is YYYYMMDD
OTI07	337	Time	O TM 4/8	Format is HHMM
OTI08	28	Group Control Number	X N0 1/9	Not Used
OTI09	329	Transaction Set Control Number	O ID 4/9	Not Used
OTI010	143	Transaction Set Identifier Code	O ID 3/3	Will always be 856 to indicate that the 824 is responding to an 856 (Advance Ship Notice).

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	2
Purpose:	To transmit the Bill of Lading and Part number to which this transaction applies.
Comments:	There may be two occurrences of the REF segment: to convey the Bill of Lading number from the 856, or to convey the part number from the 856.
Example:	REF*BM*123456REF*PM*A22456789BBC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	BM = Bill of Lading PM = Part Number
REF02	127	Reference Number	M AN 1/30	If REF01 = BM, this will contain the Bill of Lading number from the 856 to which this OTI segment applies.  If REF01 = PM, this will contain the part number from the 856.

## Technical Error Description

Segment:	TED - Technical Error Description
Level:	Detail
Max. Use:	1
Purpose:	To identify the error.
Comments:	This segment will contain an application error code and an error type description.
Example:	TED*ZZZ*ASN Accepted, No Errors Found

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TED01	647	Application Error Condition Code	M ID 1/3	Will be an error code indicating the type of error encountered
TED02	3	Free-Form Message	O AN 1/60	A description of the type of error encountered (error code description).
TED03	721	Segment ID Code	O ID 2/3	The segment in which the error was encountered
TED04	719	Segment Position in Transaction Set	O N0 1/6	Not Used
TED05	722	Element Position in Segment	O N0 1/4	Not Used
TED06	725	Data Element Reference Number	O N0 1/4	Not Used
TED07	724	Copy of Bad Data Element	O AN 1/99	The value of the element which is in error

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*25*0000000005

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02



## 830 (Planning Schedule With Release Capacity)

This Infor Automotive standard provides the format and establishes the data contents of the 830 (Planning Schedule with Release Capability Transaction Set). The planning schedule with release capability transaction set provides for customary and established business practice relative to the transfer of forecasting/material release information between organizations.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BFR</a>	Beg Seg for Planning Schedule	M	1	
<a href="#">N1</a>	Name	M	1	N1/200
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">LIN</a>	Item Identification	M	1	LIN/10000
<a href="#">UIT</a>	Unit Detail	M	1	
<a href="#">REF</a>	Reference Numbers	M	2	
<a href="#">PER</a>	Admin Communications Contact	O	3	
<a href="#">ATH</a>	Resource Authorization	M	20	
<a href="#">N1</a>	Name	O	1	
<a href="#">N3</a>	Address Information	O	2	
<a href="#">N4</a>	Geographic Location	O	1	
<a href="#">FST</a>	Forecast Schedule	M	260	
<a href="#">SHP</a>	Shipped/Received Information	M	1	SHP/25
<a href="#">REF</a>	Reference Numbers	O	5	SHP
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">CTT</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	
<a href="#">Sample 830</a>				

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 830 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*830*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	830
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Planning Schedule

Segment:	BFR - Beginning Segment for Planning Schedule
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates.
Example:	BFR*05**917001*SH*A*19980228*19980101*19980220***

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BFR01	353	Transaction Set Purpose Code	M ID 2/2	05 = Replace
BFR02	127	Reference Number	N	
BFR03	328	Release Number	M AN 1/30	
BFR04	675	Schedule Type Qualifier	M ID 2/2	SH = Shipment Based DL = Delivery Based
BFR05	676	Schedule Quantity Qualifier	&Euml;ID 1/1	"A" Net Quantities
BFR06	373	Date	M DT 8/8	Start Date YYYYMMDD
BFR07	373	Date	M DT 8/8	End Date YYYYMMDD
BFR08	373	Date	M DT 8/8	Release Issue Date YYYYMMDD
BFR09	373	Date	N	
BFR10	367	Contract Number	N	
BFR11	324	P.O. Number	O AN 1/22	If there is only one purchase order number for the entire release, use the PO number; otherwise, put the PO number in the LIN segment.

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	BT = Bill-to Party ST = Shipto Location SU = Supplier Location* SF = Shipfrom Location*
N102	093	Name	O AN 1/35	Company Name
N103	066	Identification Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	Identification Code	M AN 2/9	

**Note:** \*RPS users have the ability to define the data elements used in the N1\*SU and N1\*SF segments on the 830 document via fields in Vendor Communications Update. If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance). The controlling vendor code will then be used in the N1\*SU segment and the subvendor code will be used in the N1\*SF segment.

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	LIN**BP*255*VP*2341123*EC*123

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Identification	N	
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number
LIN03	234	Product/Service ID	M AN 1/20	Part Number
LIN04	235	Product/Service ID Qualifier	O ID 2/2	VP = Vendor's Part Number
LIN05	234	Product/Service ID	O AN 1/20	Part Number
LIN06	235	Product/Service ID Qualifier	O AN 2/2	EC = Engineering Change
LIN07	234	Product/Service ID	O AN 1/20	Engineering Change Revision Level
LIN08	235	Product/Service ID Qualifier	O AN 2/2	PD = Product Description
LIN09	234	Products/Service ID	O AN 1/20	Product Description
LIN10	235	Product/Service ID Qualifier	O AN 2/2	PO = Purchase Order
LIN11	234	Product/Service ID	O AN 1/20	Purchase Order Number

**Note:** If multiple PO numbers exist, the PO number will show up on the LIN segment for each detail; otherwise, the PO number will show up on the BFR segment.

**Note:** The VP, EC, PO, and PD qualifiers (with associated values) can appear in any order in LIN04/ 05, LIN06/07, LIN08/09, and LIN10/11.

## Unit Detail

Segment:	UIT - Unit Detail
Level:	Detail
Max. Use:	1
Purpose:	To specify item unit data.
Example:	UIT*EA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
UIT01	355	Unit of Measure Code	M ID 2/2	Any valid ANSI Unit of Measure code

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	2
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*DK*DOCK1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/2	DK = Dock Code
REF02	127	Reference Identification	M AN 1/30	
REF03	352	Description	N	

## Admin Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Detail
Max. Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*BD*SUE*TE*555-1234

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	IC = Information Contact
PER02	093	Name	O AN 1/35	
PER03	365	Communication Number Qualifier	O ID 2/2	TE = Telephone
PER04	364	Communication Number	O AN 7/21	
PER05	365	Communication Number Qualifier	O ID 2/2	FX = Facsimile
PER06	364	Communication Number	O AN 7/21	Complete communications number including country or area code when applicable.
PER07	365	Communication Number Qualifier	O ID 2/2	EM = Electronic Mail
PER08	364	Communication Number	O AN 7/21	Complete communications number including country or area code when applicable.

**Note:** 0, 1, 2, or 3 of pairs PER03, PER04; PER05, PER06; and PER07, PER08 may be used depending on the availability of the telephone information, fax information, and/or electronic mail information.

**Note:** The IC, TE, FX, EM (and associated values) can appear in any order in the PER01/02, PER03/ 04, PER05/06, and PER07/08.



## Resource Authorization

Segment:	ATH - Resource Authorization
Level:	Detail
Max. Use:	20
Purpose:	To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule.
Example:	ATH*PQ**22**19971212ATH*FI*19970626*980**051121ATH*MI*19970626*980**051121

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ATH01	672	Resource Authorization Code	M ID 2/2	FI = Finished Inventory MT = Material Inventory PQ = Cumulative Quantity Required Prior to First Schedule Period.
ATH02	373	Date	O DT 8/8	Used for Codes FI and MT
ATH03	380	Quantity	M R 1/10	
ATH04	380	Quantity	N	
ATH05	373	Date	M DT 8/8	Cumulative Quantity Start Date

## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	ST = Ship-to Location
N102	093	Name	O AN 1/35	Company Name
N103	066	Identification Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	Identification Code	M AN 2/9	

## Address Information

Segment:	N3 - Address Information
Level:	Detail
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive; Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	Ship-to Address Line 1
N302	166	Address	N	Ship-to Address Line 2

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Detail
Max. Use:	1
Purpose:	To specify the geographic place of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Ident.	N	

## Forecast Schedule

Segment:	FST - Forecast Schedule
Level:	Detail
Max. Use:	260
Purpose:	To specify the forecasted dates and quantities.
Example:	FST*2050*C*D*19980204

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FST01	380	Quantity	M R 1/10	
FST02	680	Forecast Qualifier	M ID 1/1	C = Firm Quantity D = Planning Quantity
FST03	681	Forecast Timing Qualifier	M ID 1/1	D = Discrete W = Weekly F = Flexible Time Interval
FST04	373	Date	M DT 8/8	Delivery/Ship Date
FST05	373	Date	C DT 8/8	End Date
FST06	374	Date/Time Qualifier	N	
FST07	337	Time	N	
FST08	128	Reference Identification Qualifier	N	
FST09	127	Reference Identification	N	

## Shipped/Received Information

Segment:	SHP - Shipped/Received Information
Level:	Detail
Max. Use:	1
Purpose:	To specify shipment and/or receipt information.
Example:	SHP*01*52*050*19980827

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SHP01	673	Quantity Qualifier	M ID 2/2	01 = Discrete 02 = Cumulative
SHP02	380	Quantity	C R 1/10	Last Receipt Qty if SHP01 = 01 Cum Receipt Qty if SHP01 = 02
SHP03	374	Date/Time Qualifier	O ID 3/3	When SHP = 01: 011 Shipped, 050 Received When SHP = 02: 011 Shipped, 050 Received When SHP = 02: 011 Shipped, 051 Cum Qty Start
SHP04	373	Date	C DT 8/8	Last Receipt Date if SHP03 = 050 Cum Start Date if SHP03 = 051 Ship Date if SHP03 = 011
SHP05	337	Time	N	
SHP06	373	Date	N	Cum End Date if SHP03 = 051
SHP07	337	Time	N	

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	5
Purpose:	To transmit identifying numbers associated with named party.
Example:	REF*SI*45

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/2	SI = Last Received Shipment Identification Number
REF02	127	Reference Identification	M AN 1/30	
REF03	352	Description	N	

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for the forecast quantity within the transaction set.
Example:	CTT*1*1600

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of LIN Segments
CTT02	347	Quantity Hash Total	M R 1/10	
CTT03	081	Weight	N	
CTT04	355	Unit of Measure Code	N	
CTT05	183	Volume	N	
CTT06	355	Unit of Measure Code	N	
CTT07	352	Description	N	



## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	SE*25*0000000005

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and subelement separator (i.e., * and \).</p>	

## Sample 830

The following represents a sample 830:

```
ISA*00* 00* 01*005346481 01*005346481 940613*102
(ISA cont.) 5*U*02040*000000333*0*P*\
GS*PS*005346481*005346481*940613*1025*000000433*X*004010.
ST*830*000001048.
BFR*05**929701*DL*A*19940606*19950531*19940613***.
N1*ST*Infor Automotive*1*009571302.
N1*SU*UNIVERSAL SUPPLY INC.*92*1000.
N1*SF*UNIVERSAL SUPPLY INC.*92*1000.
LIN**BP*440*VP*VP440*PO*PO123.
UIT*EA
REF*DK*DOCK1.
PER*IC*John Doe*TE*616/957-4444.
ATH*PQ**10000**19940101.
N1*ST*Infor Automotive*1*009571302.
N3*3855 Infor Automotive #201.
N4*GRAND RAPIDS*MI*49506.
FST*600*C*D*19940606.
FST*5000*D*W*19940704.
FST*10000*D*F*19940905*19941002.
SHP*01*10000*050*19940613.
REF*SI*987654321.
SHP*02*10000*051*19940606**19940613.
LIN**BP*4562*VP*100*EC*123*PO*PO456.
UIT*EA
PER*IC*John Doe*TE*616/957-4444.
ATH*PQ**0**19900819.
ATH*MT**600**19900819.
N1*ST*Infor Automotive*1*009571302.
N3*3855 Sparks Dr. #201.
N4*GRAND RAPIDS*MI*49506.
FST*50*C*D*19940606.
FST*50*C*D*19940613.
FST*150*C*W*19940627.
FST*2000*D*W*19940801.
CTT*2*20550.
SE*49*000001048.
GE*1*000000433.
IEA*1*000000333.
```

## 850 (Purchase Order)

This Infor Automotive standard provides the format and establishes the data contents of the 850 (Purchase Order Transaction Set). The 850 establishes the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. The Purchase Order accommodates procurement of production and indirect materials or services. The 850 transaction set may also be used as a non-production material release.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BEG</a>	Beginning Segment for PO	M	1	
<a href="#">CUR</a>	Currency	O	1	
<a href="#">REF</a>	Reference Number (PO Revision No.)	O	1	
<a href="#">FOB</a>	FOB Related Instructions	O	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<a href="#">N9</a>	Reference Number	M	1	N2/2
<a href="#">MSG</a>	Message Text	O	999	
<a href="#">N1</a>	Name	M	1	N1/1
<a href="#">N3</a>	Address Information	M	1	N1/1
<a href="#">N4</a>	Geographic Location	M	1	N1/1
<i>Data Segment Sequence for Detail Area</i>				
<a href="#">PO1</a>	Baseline Item Data	M	1	PO1/100000
<a href="#">PID</a>	Product/Item Description	M	1	
<a href="#">N9</a>	Reference Number	O	1	N9/1000
<a href="#">MSG</a>	Message Text	O	999	
<a href="#">N1</a>	Name	O	1	N1/200
<a href="#">N3</a>	Address Information	M	1	N1/200
<a href="#">N4</a>	Geographic Location	M	1	N1/200
<i>Data Segment Sequence for Trailer Area</i>				
<a href="#">CTT</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 850 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	SE*850*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	850
ST02	329	Transaction Set Control Number	M R 9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beginning Segment for PO

Segment:	BEG - Beginning Segment for Purchase Order
Level:	Heading
Max. Use:	1
Purpose:	Beginning segment for purchase order transaction.
Comments:	The segment will indicate whether the purchase order is an original, addition, deletion or change. It will also indicate the PO number.
Example:	BEG*00*CF*123456789**19980101

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BEG01	353	Transaction Set Purpose Code	M ID 2/2	possible values*: 00 = Original 02 = Add 03 = Delete 05 = Replace
BEG02	92	Purchase Order Type Code	M ID 2/2	Will always be CF (Confirmation).
BEG03	324	Purchase Order Number	M AN 1/9	
BEG04	328	Release Number	N	Not Used
BEG05	373	Date	M DT 8/8	Date P/O was issued Format is YYYYMMDD
BEG06	367	Contract Number	O AN 1/9	

**Note:** No schedule information will be sent on the 850 document, only information regarding purchase order, part, and pricing numbers.

\*The use of the Purpose code will be based on the following criteria:

- **00 - Original:** The 00 purpose code will be used the first time the 850 document is sent to the vendor.
- **02 - Add:** The 02 purpose code will be used to add new line items to a 850 already sent to a vendor.
- **03 - Delete:** The 03 purpose code will be used to delete any line items on a 850 already sent to a vendor.
- **05 - Replace:** The 05 purpose code will be used when changing any line item information (such as price or unit of measure) on a previously sent 850 document.

## Currency

Segment:	CUR - Currency
Level:	Heading
Max. Use:	1
Purpose:	To indicate the currency associated with any monetary amount.
Comments:	This segment will only be available if the sender chooses to issue this information.
Example:	CUR*BY*USD

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CUR01	98	Entity Identifier Code	M ID 2/2	Will always be BY for Buying Party
CUR02	100	Currency Code	M ID 3/3	

## Reference Number (PO Revision No.)

Segment:	REF - Reference Number
Level:	Heading
Max. Use:	1
Purpose:	To transmit the PO revision number if available.
Comments:	If P.O. histories are being kept then the revision number of the PO will be sent in this segment.
Example:	REF*PP*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Number Qualifier	M ID 2/2	Will always be PP to indicate a PO Revision Number
REF02	127	Reference Identification	M N 9/9	This will always be the PO Revision Number, which has a mandatory length of nine (9).

## FOB Related Instructions

Segment:	FOB - F.O.B. Related Instructions
Level:	Heading
Max. Use:	1
Purpose:	To indicate the free-on-board instructions pertaining to freight ownership.
Comments:	This segment will only be available if the sender chooses to issue this information.
Example:	FOB*CC*OR*FOBTXT***OR*Ship Via

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FOB01	146	Shipment Method of Payment	M ID 2/2	CC = Collect PC = Prepaid Add PP = Prepaid
FOB02	309	Location Qualifier	M	Will always be OR for Origin
FOB03	352	FOB Point	O AN 1/15	FOB Point Description
FOB04		Transport Terms Qualifier	N	
FOB05		Transport Terms Code	N	
FOB06	309	Location Qualifier	C	Will always be OR for Origin
FOB07	352	Ship Via	O	Ship Via Description



## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	2
Purpose:	To indicate the start and stop dates of the P.O.
Comments:	At least one DTM segment will be issued to indicate the start date. The ending date DTM segment is optional.
Example:	DTM*007*19980101 DTM*036*19981231

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	007 = Effective Date 036 = Expiration Date
DTM02	373	Date	M DT 8/8	Format is YYYYMMDD

## Reference Number

Segment:	N9 - Reference Number
Level:	Heading
Max. Use:	1
Purpose:	The N9 loop provides a space for notes found on the purchase order header.
Comments:	
Example:	N9*L1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N901	128	Reference Number Qualifier	M ID 2/2	Will always be L1 to indicate letters or notes.
N902	127	Reference Identification	N/A	Not Used
N903	369	Free-form Description	N/A	Not Used
N904	373	Date	N/A	Not Used
N905	337	Time	N/A	Not Used

## Message Text

Segment:	MSG - Message Text
Level:	Heading
Max. Use:	999
Purpose:	To convey any notes or messages within the N9 loop that pertain to the purchase order header.
Example:	MSG*FREE FORM MESSAGE TEXT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Free-Form Message Text	M AN 1/80	

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify buyer and supplier parties.
Comments:	This segment will indicate the buyer and supplier identification information pertaining to this purchase order.
Example:	N1*BY*BUYER NAME*92*CC N1*SU*A1 SUPPLIER*92*001000

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	BY = Buyer SU = Supplier
N102	93	Name	M AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	May be 92 (Buyer Defined)
N104	67	Identification Code	M AN1/17	If N101 = BY, this will be the buyer's code for themselves. If N101 = SU, this will be the buyer's code for the supplier.

## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.*OPTIONAL SECOND LINE N3*OPTIONAL THIRD LINE*OPTIONAL FOURTH LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	O AN 1/30	First and third (if available) address lines.  Second and fourth (if available) address lines.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To identify city, state, country.
Example:	N4*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M AN 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M AN 1/25	

## Baseline Item Data

Segment:	PO1 - Baseline Item Data
Level:	Detail
Max. Use:	1
Purpose:	To specify basic line item data
Comments:	The 850 document will not be used to convey any kind of order quantity, and is not a release to production. Therefore, no quantity or scheduling information will be sent on this document.
Example:	PO1**0*EA*135250*CP*BP*ABC123*VP*DEF456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PO101	350	Assigned Identification	N	Not Used
PO102	330	Quantity Ordered	N	Because the 850 document will only be used to relay price information, this value will always be set to zero.
PO103	355	Unit of Measure Code	O ID 2/2	
PO104	212	Unit Price	M R 1/14	Price will have an implied decimal point with 5 digit accuracy; i.e., a value of 150000 would equal 1.50000. This price will always be the most current price on file.
PO105	639	Basis of Unit Price Code	M ID 2/2	Will always be CP to indicate Current Price (subject to change)
PO 106	235	Product/Service ID Qualifier	M ID 2/2	Will always be BP to indicate Buyer's Part Number
PO107	234	Product/Service ID	M AN 1/20	Buyer's Part Number
PO108	235	Product/Service ID Qualifier	O ID 2/2	If the vendor's part number is available, this element will contain VP for Vendor's Part

---

				Number.
PO109	234	Product/Service ID	C AN 1/20	If the vendor's part number is available, this element will contain the Vendor Part Number.



## Product/Item Description

Segment:	PID - Product/Item Description
Level:	Detail
Max. Use:	1
Purpose:	To describe a product in free-form format.
Example:	PID*F****FREE FORM PRODUCT DESCRIPTION

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PID01	349	Item Description Type	M	Will always be F for Freeform Description
PID02	750	Product/Process Characteristic Code	N	Not Used
PID03	559	Agency Qualifier Code	N	Not Used
PID04	751	Product Description Code	N	Not Used
PID05	352	Description	M	

## Reference Number

Segment:	N9 - Reference Number
Level:	Detail
Max. Use:	1
Purpose:	The N9 loop provides a space for notes or messages found on the purchase order detail.
Comments:	
Example:	N9*LI

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N901	128	Reference Number Qualifier	M ID 2/2	Will always be LI to indicate Line Item Identification
N902	127	Reference Identification	N/A	Not Used
N903	369	Free-form Description	N/A	Not Used
N904	373	Date	N/A	Not Used
N905	337	Time	N/A	Not Used

## Message Text

Segment:	MSG - Message Text
Level:	Detail
Max. Use:	999
Purpose:	To convey any message pertaining to the purchase order detail.
Example:	MSG*FREE FORM MESSAGE TEXT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Free-Form Message Text	M AN 1/80	

## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify ship-from and ship-to plant for PO detail
Example:	N1*Sf*SUPPLIER SHIP FROM*92*SFCODE N1*ST*TIER1 CUSTOMER*92*ABC

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	98	Entity Identifier Code	M ID 2/2	SF = Ship-from ST = Ship-to
N102	93	Name	M AN 1/30	Entity Name
N103	66	Identification Code Qualifier	M ID 1/2	92 = Buyer Defined
N104	67	Identification Code	M AN1/17	If N101 = SF, this value will be the buyer's ship-from code for the vendor.  IF N101 = ST, this value will be the buyer's ship-to plant code.

## Address Information

Segment:	N3 - Address Information
Level:	Detail
Max. Use:	2
Purpose:	To identify address information.
Comments:	This segment will indicate the address of the entity being identified.
Example:	N3*1234 MAIN ST.*OPTIONAL SECOND LINE N3*OPTIONAL THIRD LINE*OPTIONAL FOURTH LINE

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address Information	M AN 1/30	
N302	166	Address Information	M AN 1/30	First and third (if available) address line.  Second and fourth (if available) address line.

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Detail
Max. Use:	1
Purpose:	To identify city, state, country.
Example:	N4*ANYTOWN*MI*12345*USA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	19	City Name	M AN 2/20	
N402	156	State or Province Code	M AN 1/5	
N403	116	Postal Code	M ID 1/10	
N404	26	Country Code	M AN 1/25	

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Trailer
Max. Use:	1
Purpose:	To transmit total number of line items in transaction set.
Example:	CTT*15

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	MR 1/6	

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Trailer
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide a count of the total number of segments.
Example:	SE*16*123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	96	Number of Included Segments	M R 1/6	
SE02	329	Transaction Set Control Number	M R 9	Must match control number sent on the ST segment.



## 856 (Ship Notice/manifest)

This Infor Automotive standard provides the format and establishes the data contents of the 856 (Ship Notice/Manifest Transaction Set). An 856 communicates a shipment's contents and other information relating to shipment, packaging, marking, and carrier data. An 856 also reveals the packing configuration of the shipped goods. It enables the sender to describe a shipment's contents and configuration in varying levels of detail, while providing an ordered flexibility of data conveyed.

**Note:** \*Only two N1 segments are used by RPS. One is used to load the ship-from data and the other to load the ship-to data. Both of these are required.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BSN</a>	Beg Seg for Ship Notice	M	1	
<a href="#">DTM</a>	Date/Time Reference	M	2	
<i>Data Segment Sequence for the Shipment Level</i>				
<a href="#">HL</a>	Hierarchal Level	M	1	
<a href="#">MEA</a>	Measurement	M	2	
<a href="#">TD1</a>	Carrier Details (Quantity and Weight)	M	1	
<a href="#">TD5</a>	Carrier Details (Routing Seq/Transit Tm)	M	1	
<a href="#">TD3</a>	Carrier Details (Equipment)	M	1	
<a href="#">REF</a>	Reference Numbers	M	3	
<a href="#">N1</a>	Name	M	2	N1/2
<i>Data Segment Sequence for the Item Level</i>				
<a href="#">HL</a>	Hierarchal Level	M	1	HL/200000
<a href="#">LIN</a>	Item Identification	M	1	
<a href="#">SN1</a>	Item Detail (Shipment)	M	1	
<a href="#">PRF</a>	Purchase Order Reference	M	1	
<a href="#">REF</a>	Reference Numbers	C	1	
<a href="#">CLD</a>	Load Detail	O	200	CLD/200
<a href="#">REF</a>	Reference Numbers	C	200	CLD

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<i>Data Segment Sequence for the Trailing Segments</i>				
<a href="#">CTI</a>	Transaction Totals	M	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 856 transaction set and assign a transaction control number.
Comments:	This segment is required. The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*856*0001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	856
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set within a functional group, starting with 0001 and incremented by 1 for each subsequent transaction set.

## Beg Seg for Ship Notice

Segment:	BSN - Beginning Segment for Ship Notice
Level:	Heading
Max. Use:	1
Purpose:	To transmit identifying numbers, dates and other basic data relating to the transaction set.
Example:	BSN*00*123456*19990502*0810

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BSN01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original 05 = Replacement
BSN02	396	Shipment Identification	M AN 2/30	ASN Number—Unique supplier assigned number that is not repeated within a one year period. Infor Automotive recommends use of the shipment ID number (SID).
BSN03	373	Date	M DT 8/8	Date of ASN Creation Format is YYYYMMDD
BSN04	337	Time	M TM 4/4	Time of ASN Creation Format is HHMM

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	2
Purpose:	To specify pertinent dates and times.
Example:	DTM*011*880601*1115 or DTM*011*880601*1115*PT

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	011 = Date and Time Shipment Leaves Supplier 017 = Estimated Date and Time of Arrival
DTM02	373	Date	M DT 8/8	If DTM01 is 011, this will be the shipment date. If DTM is 017, this will be the delivery date. Format is YYYYMMDD
DTM03	337	Time	C TM 4/4	If DTM01 = 011, this will be the shipment time. If DTM = 017, this will be the delivery time. Format is HHMM.
DTM04	623	Time Code	C AN 2/2	Any valid time zone may be used (e.g., AT, ET, PT). This value can only be present if time value is present.

## Hierarchal Level

Segment:	HL - Hierarchal Level
Level:	Detail - first segment in each HL loop
Max. Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments.
Comments:	The HL segment is used to identify levels of detail information using hierarchical structure, such as relating line item data to shipment data. Infor Automotive will only use the shipment and item levels. Cancellation ASNs require only the shipment level.
Example:	HL*1**S (shipment level)

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
HL01	628	Hierarchical ID Number	M AN 1/12	1 for the first HL segment, incremented by 1 in each subsequent HL segment within the transaction set.
HL02	734	Hierarchical Parent ID Number	M AN 1/12	Not Used
HL03	735	Hierarchical Level Code	M ID 1/2	S = Shipment
HL04	736	Hierarchical Child Code	N	

## Measurement

Segment:	MEA - Measurements
Level:	Detail (shipment level)
Max. Use:	2
Purpose:	To specify physical measurements, including dimensions, tolerances, weights and counts.
Comments:	At shipment hierarchical level: - gross weight of shipment- tare weight of shipment
Example:	MEA*PD*G*1231*LBMEA*PD*T*323*LB

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MEA01	737	Measurement Reference ID Code	M ID 2/2	PD for physical dimensions
MEA02	738	Measurement Qualifier	M ID 1/3	G = Gross Weight T = Tare Weight
MEA03	739	Measurement Value	M R 1/10	Weight
MEA04	355	Unit of Measure Code	M ID 2/2	Not Used
MEA05	740	Range Minimum	N	
MEA06	741	Range Maximum	N	
MEA07	935	Measurement Significance Code	N	
MEA08	936	Measurement Attribute Code	N	
MEA09	752	Surface/Layer/Position Code		

## Carrier Details (Quantity and Weight)

Segment:	TD1 - Carrier Details (Qty/Weight)
Level:	Detail
Max. Use:	1
Purpose:	To specify the transportation details relative to commodity, weight and quantity.
Example:	TD1*PLT71*2

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD101	103	Packaging Code	M ID 5/5	Any defined code is acceptable, i.e., PLT71 for pallet; BOX34 for cardboard box; SKD90 for skid.
TD102	080	Lading Quantity	M N0 1/7	Number of packages of the type specified in TD101.
TD103	023	Commodity Code Qualifier	N	
TD104	022	Commodity Code	N	
TD105	079	Lading Description	N	
TD106	187	Weight Qualifier	N	
TD107	091	Weight	N	
TD108	355	Unit of Measure Code	N	



## Carrier Details (Routing Seq/Transit)

Segment:	TD5 - Carrier Detail (Routing Sequence/Transit Time)
Level:	Detail (shipment hierarchical level only)
Max. Use:	1
Purpose:	To specify the carrier, routing sequence, and provide transit time information.
Comments:	One TD5 is required for each shipment. Do not use more than one TD5.
Example:	TD5*B*92*CNTR*MTD5*B*92*CNTR*A***OR*GRR

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD501	133	Routing Sequence Code	M ID 1/2	B = Carrier is Origin/Delivery Carrier
TD502	066	Identification Code Qualifier	M ID 1/2	2 SCAC code 92 assigned by buyer
TD503	067	Identification Code	M AN 2/17	Carrier's SCAC code
TD504	091	Transportation Method/Type Code	M ID 1/2	M = Motor, A = Air, etc. Valid codes are listed below table
TD505	387	Routing	N	
TD506	368	Ship/Order Status Code	N	
TD507	309	Location Qualifier	C	OR for Origin required if TD504 = A or AE
TD508	310	Location Identifier	C	Airport Code (e.g., GRR)
TD509	731	Transit Direction Code	N	
TD510	732	Transit Time Direction Qualifier	N	
TD511	733	Transit Time	N	

### Transportation Method Mode

The following are valid codes for segment TD5, element TD504: Transportation Method Mode:

- A - AIR
- AE - AIR EXPRESS
- C - CONSOLIDATION
- LT - LTL TRUCKLOAD
- M - MOTOR (COMMON CARRIER)

## Carrier Details (Equipment)

Segment:	TD3 - Carrier Details (Equipment)
Level:	Detail (shipment hierarchal level only)
Max. Use:	1
Purpose:	To specify transportation details relating to the equipment used by the carrier.
Comments:	Only one TD3 segment is used per shipment to identify the conveyance number.
Example:	TD3*TL**5

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
TD301	040	Equipment Description Code	M ID 2/2	TL = Trailer AF = Air Freight
TD302	206	Equipment Initial	N	
TD303	207	Equipment Number	M AN 1/10	Conveyance Number (i.e., trailer number or air bill number)
TD304	187	Weight Qualifier	N	
TD305	081	Weight	N	
TD306	355	Unit of Measure Code	N	
TD307	102	Ownership Code	N	

## Reference Number

Segment:	REF - Reference Numbers
Level:	Detail (shipment level)
Max. Use:	3
Purpose:	To specify identifying numbers.
Comments:	Used in the shipment level for: Air bill number - required if air shipment, Bill of Lading number - required if ground shipment.
Example:	REF*BM*123456 REF*PK*234567 REF*SI*234567 REF*DK*DK1

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/2	BM = Bill of Lading PK = Packing Slip* SI = Shipper Number* DK = Dock Code
REF02	127	Reference Identification	M AN 1/8	
REF03	352	Description	N	

**Note:** \*If not present in the shipment level of the 856, one of these (either PK or SI) must be present in the item level. Which of the two is used is optional, but only one of the two can be used throughout the transmittal.

## Name

Segment:	N1 - Name
Level:	Detail (shipment hierarchical level)
Max. Use:	2
Purpose:	To identify a party by type of organization, name and code.
Comments:	The SF ship-from and ST ship-to segments are required.
Example:	N1*SF**01*123456789N1*ST**01*234567890

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	ST = Shipto SF = Shipfrom
M102	093	Name	N	
N103	066	Identification Code Qualifier	M ID 1/2	01 = DUNS Number ZZ = User-assigned 92 = Buyer-assigned Number
N104	067	Identification Code	M AN 2/17	Identifying Number from N103

## Hierarchal Level

Segment:	HL - Hierarchal Level
Level:	Detail - first segment in each HL loop (item level)
Max. Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments.
Comments:	The HL segment is used to identify levels of detail information using hierarchical structure, such as relating line item data to shipment data. Infor Automotive will only use the shipment and item levels. Cancellation ASNs require only the shipment level.
Example:	HL*2*1*I (item level)

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
HL01	628	Hierarchical ID Number	M AN 1/12	1 for the first HL segment, incremented by 1 in each subsequent HL segment within the transaction set.
HL02	734	Hierarchical Parent ID Number	M AN 1/12	The ID number of the parent HL segment. Required for all HL segments at the item level.
HL03	735	Hierarchical Level Code	M ID 1/2	I = Item
HL04	736	Hierarchical Child Code	N	

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail (item hierarchical level)
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	LIN**BP*ABC-12345-123LIN**BP*0123456789

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Identification	N	
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number VP = Vendor's Part Number
LIN03	234	Product/Service ID	M AN 1/20	Part numbers are up to 20 characters in length only

## Item Detail (Shipment)

Segment:	SN1 - Item Detail (shipment)
Level:	Detail (item hierarchal level)
Max. Use:	1
Purpose:	To specify line item detail relative to shipment.
Comments:	Used to show the quantity being shipped, the unit of measure, and cumulative year to date shipments.
Example:	SN1**123*EA*1055

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SN101	350	Assigned Identification	N	
SN102	382	Number of Units Shipped	M R 1/10	
SN103	355	Unit of Measure Code	M ID 2/2	Must use the unit of measure received on the material release 830.
SN104	646	Quantity Shipped to Date	O R 1/9	Cumulative quantity shipped for this model year, including this ASN.
SN105	330	Quantity Ordered	N	
SN016	355	Unit of Measure Code	N	
SN107	728	Returnable Container Load Make-Up Code	N	
SN108	668	Line Item Status Code	N	

## Purchase Order Reference

Segment:	PRF - Purchase Order Reference
Level:	Detail (item hierarchical level)
Max. Use:	1
Purpose:	To provide reference to a specific purchase order.
Example:	PRF*PO123***19990501

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PRF01	324	Purchase Order Number	M AN 1/22	
PRF02	328	Release Number	N	
PRF03	327	Change Order Sequence Number	N	
PRF04	323	Purchase Order Date	O DT 8/8	Format is YYYYMMDD
PRF05	350	Assigned Identification	N	
PRF06	367	Contract Number	N	



## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (item hierarchical level)
Max. Use:	1
Purpose:	To specify identifying numbers.
Comments:	If serial numbers are to be sent, then the REF segments are required.
Example:	REF*PK*234567REF*SI*234567

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/2	PK = Packing Slip* SI = Shipper Number* DO = Delivery Order Number
REF02	127	Reference Identification	M AN 1/8	If REF01 = "DO," this will be the pull signal number.
REF03	352	Description	N	If REF01 = "DO," this will be the pull signal quantity.

**Note:** \*If not present in the shipment level of the 856, one of these (either PK or SI) must be present in the item level. Which of the two you use is optional, but only one of the two can be used throughout the transmittal.

## Load Detail

Segment:	CLD - Load Detail
Level:	Detail (item hierarchical level)
Max. Use:	200
Purpose:	To specify the number of material loads shipped.
Comments:	A CLD segment is required if serial numbers are to be sent.
Example:	CLD*123*12***EA

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CLD01	622	Number of Loads	M NO 1/5	Number of Loads Shipped
CLD02	382	Number of Units Shipped	M R 1/10	Quantity Shipped per Load
CLD03	103	Packaging Code	N	
CLD04	357	Size	N	
CLD05	355	Unit of Measurement Code	O ID 2/2	Must be the unit of measure code received on the 830.

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail (item hierarchical level)
Max. Use:	200
Purpose:	To specify identifying numbers.
Comments:	If serial numbers are to be sent, then the REF segments are required.
Example:	REF*SE*12345678

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/2	SE = Serial or Lot Number
REF02	127	Reference Identification	M AN 1/9	
REF03	352	Description	N	

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set.
Comments:	This segment is intended to provide hash totals to validate transaction completeness and correctness.
Example:	CTT*2*100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of HL Segments
CTT02	347	Hash Total	M R 1/10	Required hash total of quantity shipped from all SN102 segments.
CTT03	081	Weight	N	
CTT04	355	Unit of Measure Code	N	
CTT05	183	Volume	N	
CTT06	355	Unit of Measure Code	N	
CTT07	352	Description	N	

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Comments:	SE*25*00001
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	
SE02	329	Transaction Set Control Number	M AN 4/9	Matches ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and subelement separator (i.e., * and \).</p>	

## 862 (Shipping Schedule)

This Infor Automotive standard provides the format and establishes the data contents of the 862 (Shipping Schedule Transaction Set). The transaction set can be used by a customer to convey precise shipping schedule requirements to a supplier, and is intended to supplement the Planning Schedule Transaction Set (830). The Shipping Schedule Transaction Set will replace certain shipping and delivery information transmitted in a previous transaction set, but it does not replace the 830 Transaction Set. The shipping schedule transaction set shall not be used to authorize labor, material, or other resources.

The use of this transaction set will facilitate the practice of Just-in-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedule requirements on a more frequent basis than with the issuance of a planning schedule transaction (e.g., daily shipping schedules versus weekly planning schedules). The Shipping Schedule Transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BSS</a>	Beg Seg for Shipping/Production Seq.	M	1	
<a href="#">N1</a>	Name	O	1	N1/200
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">LIN</a>	Item Identification	M	1	LIN/1000
<a href="#">UIT</a>	Unit Detail	M	1	
<a href="#">REF</a>	Reference Numbers	O	12	
<a href="#">FST</a>	Forecast Schedule	O	1	LIN/FST 100
<a href="#">SHP</a>	Shipped/Received Information	O	1	LIN/SHP 10
<a href="#">REF</a>	Reference Numbers	O	1	
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">CTT</a>	Transaction Totals	O	1	
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 862 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	862
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Seg for Shipping/Production Seq.

Segment:	BSS - Beginning Segment for Shipping Schedule/Production Sequence
Level:	Heading
Max. Use:	1
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set.
Comments:	Either BSS07 or BSS08 must be used, but not both.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BSS01	353	Transaction Set Purpose Code	M ID 2/2	05 = Replace
BSS02	127	Reference Identification	M AN 1/30	Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.
BSS03	373	Date	M DT 8/8	Format is YYYYMMDD
BSS04	675	Schedule Type Qualifier	M ID 2/2	DL = Delivery Based KB = Kanban Signal SH = Shipment Based
BSS05	373	Date	M DT 8/8	Format is YYYYMMDD
BSS06	373	Date	M DT 8/8	Format is YYYYMMDD
BSS07	328	Release Number	X AN 1/30	Will be the number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
BSS08	127	Reference Identification	X AN 1/30	Not Used
BSS09	367	Contract Number	O AN 1/30	Not Used
BSS10	324	Purchase Order	O AN 1/22	If there is only one



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		Number		purchase order number for the entire schedule, use the PO number; otherwise, put the PO number in the LIN segment.
BSS11	676	Schedule Quantity Qualifier	O ID 1/1	A = Actual Discrete Quantities

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	BT = Bill-to Party ST = Shipto Location SU = Supplier Location* SF = Shipfrom Location* MI = Planning Schedule/Material Release Issuer
N102	093	Name	O AN 1/35	Company Name
N103	066	Identification Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	Identification Code	M AN 2/9	

**Note:** \*RPS users have the ability to define the data elements used in the N1\*SU and N1\*Sf segments on the 862 document via fields in Vendor Communications Update. If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance). The controlling vendor code will then be used in the N1\*SU segment and the subvendor code will be used in the N1\*Sf segment.

## Item Identification

Segment:	LIN - Item Identification
Level:	Detail
Max. Use:	1
Purpose:	To specify basic item identification data.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Identification	O AN 1/20	Not Used
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number  If a Buyer's Part Number is not available, then select a qualifier from the codes listed under LIN04 to identify the item.
LIN03	234	Product/Service ID	M AN 1/48	Will be the identifying number for a product or service
LIN04	235	Product/Service ID Qualifier	X ID 2/2	CN = Commodity Name CR = Contract Number DR = Drawing Revision Number EC = Engineering Change Level KP = Kanban Plan Number PL = Purchaser's Order Line Number PO = Purchase Order Number PR = Process Number RN = Release

				Number RY = Record Keeping or Model Year VP = Vendor's Part Number
LIN05	234	Product/Service ID	X AN 1/48	Will be the identifying number for a product or service

**Note:** If multiple PO numbers exist, the PO number will show up on the LIN segment for each detail; otherwise, the PO number will show up on the BSS segment.

## Unit Detail

Segment:	UIT - Unit Detail
Level:	Detail
Max. Use:	1
Purpose:	To specify item unit data.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
UIT01	355	Unit of Measure Code	M ID 2/2	This should be the same unit of measure as specified in the Planning Schedule Transaction Set (830).
UIT02	212	Unit Price	X R 1/17	Not Used
UIT03	639	Basis of Unit Price Code	O ID 2/2	Not Used

## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	12
Purpose:	To specify identifying information.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/3	DK = Dock Number KB = Beginning Kanban Serial Number KE = Ending Kanban Serial Number LF = Assembly Line Feed Location RL = Reserve Assembly Line Feed Location
REF02	127	Reference Identification	X AN 1/30	Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.
REF03	352	Description	X AN 1/80	Not Used
REF04	C040	Reference Identifier	O	Not Used

## Forecast Schedule

Segment:	FST - Forecast Schedule
Level:	Detail
Max. Use:	1
Purpose:	To specify the forecasted dates and quantities.
Comments:	At least one FST loop is required.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FST01	380	Quantity	M R 1/15	If the JIT segment is used, then this must equal the sum of all JIT requirements for the period covered by the FST segment.
FST02	680	Forecast Qualifier	M ID 1/1	C = Firm
FST03	681	Forecast Timing Qualifier	M ID 1/1	D = Discrete
FST04	373	Date	M DT 8/8	Format is YYYYMMDD
FST05	373	Date	O DT 8/8	Not Used
FST06	374	Date/Time Qualifier	X ID 3/3	Not Used
FST07	337	Time	X TM 4/8	Not Used
FST08	128	Reference Identification Qualifier	X ID 2/3	Not Used
FST09	127	Reference Identification	X AN 1/30	Not Used
FST10	783	Planning Schedule Type Code	O ID 2/2	Not Used

## Shipped/Received Information

Segment:	SHP - Shipped/Received Information
Level:	Detail
Max. Use:	1
Purpose:	To specify shipment and/or receipt information.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SHP01	673	Quantity Qualifier	O ID 2/2	01 = Discrete Quantity 02 = Cumulative Quantity
SHP02	380	Quantity	X R 1/15	The numeric value of the quantity.
SHP03	374	Date/Time Qualifier	X ID 3/3	When SHP = 01: 011 Shipped, 050 Received  When SHP = 02: 011 Shipped, 050 Received  When SHP = 02: 011 Shipped, 051 Cum Qty Start
SHP04	373	Date	X DT 8/8	Format is YYYYMMDD
SHP05	337	Time	X TM 8/8	
SHP06	373	Date	O DT 8/8	Not Used
SHP07	337	Time	O TM 8/8	Not Used



## Reference Numbers

Segment:	REF - Reference Numbers
Level:	Detail
Max. Use:	1
Purpose:	To transmit identifying numbers associated with named party.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference Identification Qualifier	M ID 2/3	SI = Last Received Shipment Identification Number
REF02	127	Reference Identification	X AN 1/30	Last Shipper Number
REF03	352	Description	X AN 1/80	Not Used
REF04	C040	Reference Identifier	O	Not Used

## Transaction Totals

Segment:	CTT - Transaction Totals
Level:	Summary
Max. Use:	1
Purpose:	To transmit a hash total for the forecast quantity within the transaction set.
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of LIN Segments
CTT02	347	Hash Total	O R 1/10	
CTT03	081	Weight	X R 1/10	Not Used
CTT04	355	Unit of Measure Code	X ID 2/2	Not Used
CTT05	183	Volume	X R 1/8	Not Used
CTT06	355	Unit of Measure Code	X ID 2/2	Not Used
CTT07	352	Description	O AN 1/80	Not Used

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments.
Comments:	The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).
Example:	

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/10	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02

## 864 (Text)

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
<a href="#">ST</a>	Transaction Set Header	M	1	
<a href="#">BMG</a>	Beg Segment for Text Transaction	M	1	
<a href="#">DTM</a>	Date/Time Reference	O	1	
<a href="#">N1</a>	Name	O	1	N1/1
<a href="#">N3</a>	Address Information	O	2	N1/2
<a href="#">N4</a>	Geographic Location	O	1	N1/1
<a href="#">PER</a>	Admin Communications Contact	O	1	N1/1
<i>Data Segment Sequence for the Detail Area</i>				
<a href="#">MIT</a>	Message Identification	M	1	
<a href="#">N1</a>	Name	O	1	N1/1
<a href="#">MSG</a>	Message Text	M	999	
<i>Data Segment Sequence for the Summary Area</i>				
<a href="#">SE</a>	Transaction Set Trailer	M	1	

## Transaction Set Header

Segment:	ST - Transaction Set Header
Level:	Heading
Max. Use:	1
Purpose:	To indicate the start of the 864 transaction set and assign a transaction control number.
Comments:	The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).
Example:	ST*864*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set Identifier Code	M ID 3/3	864
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

## Beg Segment for Text Transaction

Segment:	BMG - Beginning Segment for Text Transaction
Level:	Heading
Max. Use:	1
Purpose:	To indicate the beginning of a text message transaction set.
Example:	BMG*00

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BMG01	353	Transaction Set Purpose Code	M ID 2/2	00 = Original

## Date/Time Reference

Segment:	DTM - Date/Time Reference
Level:	Heading
Max. Use:	1
Purpose:	To specify pertinent dates and times.
Example:	DTM*097*19980601*1115

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
DTM01	374	Date/Time Qualifier	M ID 3/3	097 = Date and Time of Transaction Creation
DTM02	373	Date	M DT 8/8	
DTM03	337	Time	C TM 4/4	

## Name

Segment:	N1 - Name
Level:	Heading
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*1*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	ST = Shipto Location SF = Shipfrom Location
N102	093	Name	O AN 1/35	Company Name
N103	066	Identification Code Qualifier	M ID 1/2	92 = Buyer Direct
N104	067	Identification Code	M AN 2/17	



## Address Information

Segment:	N3 - Address Information
Level:	Heading
Max. Use:	2
Purpose:	To specify the location of the named party.
Example:	N3*3940 Peninsular Drive; Suite 100

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N301	166	Address	M AN 1/35	
N302	166	Address	N	

## Geographic Location

Segment:	N4 - Geographic Location
Level:	Heading
Max. Use:	1
Purpose:	To specify the geographic location of the named party.
Example:	N4*Grand Rapids*MI*49456

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N401	019	City Name	M AN 2/19	
N402	156	State or Province Code	M ID 2/2	
N403	116	Postal Code	M ID 5/9	
N404	026	Country Code	N	
N405	309	Location Qualifier	N	
N406	310	Location Identifier	N	

## Admin Communications Contact

Segment:	PER - Administrative Communications Contact
Level:	Heading
Max. Use:	1
Purpose:	To identify a person or office to whom administrative communications should be directed.
Example:	PER*BD*Material Manager*TE*1(616)957-4444

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
PER01	366	Contact Function Code	M ID 2/2	BD = Buyer Name or Department
PER02	093	Name	O AN 1/35	Material Manager
PER03	365	Communication Number Qualifier	O ID 2/2	TE = Telephone
PER04	364	Communication Number	O AN 7/21	Complete communications number including country or area code when applicable.

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*1*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	TO = Message To
N102	093	Name	O AN 1/35	Supplier Name
N103	066	Identification Code Qualifier	M ID 1/2	Receiver ID Qualifier
N104	067	Identification Code	M AN 2/17	

## Message Identification

Segment:	MIT - Message Identification
Level:	Detail
Max. Use:	1
Purpose:	To identify the beginning of a specific message and to allow the identification of a subject for the message.
Example:	MIT*Shutdown*Annual Company Shutdown

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MIT01	127	Reference Identification	M AN 1/10	Text Identification
MIT02	352	Description	M AN 1/30	Text Message Description

## Name

Segment:	N1 - Name
Level:	Detail
Max. Use:	1
Purpose:	To identify a party by type of organization, name, and code.
Example:	N1*ST*Infor Automotive*1*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity Identifier Code	M ID 2/2	TO = Message To
N102	093	Name	O AN 1/35	Supplier Name
N103	066	Identification Code Qualifier	M ID 1/2	Receiver ID Qualifier
N104	067	Identification Code	M AN 2/17	

## Message Text

Segment:	MSG - Message Text
Level:	Detail
Max. Use:	999
Purpose:	To provide a freeform format that would allow the transmission of text.
Example:	MSG*The shipping department will be shut down the week of 07/01/93*NP

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
MSG01	933	Free-Form Message Text	M AN 1/70	
MSG02	934	Printer Carriage Control Code	M ID 2/2	NP = Advance to Next Page Before Print SS = Advance to New Line Before Print

## Transaction Set Trailer

Segment:	SE - Transaction Set Trailer
Level:	Summary
Max. Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Example:	SE*25*000000001

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M NO 1/6	
SE02	329	Transaction Set Control Number	M AN 4/9	Matches ST02

Character	Represented As
data segment terminating character (a hexadecimal 1C)	a period ( . )
data element separating character	an asterisk ( * )
data sub-element separating character	a backslash ( \ )
<p>The actual characters will be defined in the ISA segment. These characters are being used for display purposes only.</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt; will be used for the data segment terminator (i.e., hex 1C).</p> <p>Any valid ANSI X.12 defined &lt;control_char&gt;, &lt;special_char&gt;, or &lt;other_special_char&gt; will be used for the data element and subelement separator (i.e., * and \).</p>	

The following represents a sample 864:

```
EDI.DOC.TRANSMIT001_MTI
864*000002
001 ISA*00**00**01*11111111*01*22222222
*930221*2221*U*00204*00000001*0*P*~.
002 GS*TX*11111111*22222222*930221*2221*1*X*002040.
003 ST*864*000000001.
004 BMG*00
005 DTM*097*YYYYMMDD*HHMM.
006 N1*ST*Infor Automotive*92*11111111.
007 N3*3855 Sparks Drive.
008 N4*Grand Rapids*MI*49546.
009 PER*BD*MATERIAL MANAGER*TE*801/629-NNNN.
010 MIT*DocId10max*Text doc description 30 max.
011 N1*SF*Supplier Name*1*22222222.
012 MSG*This is the first text line no more than 74 chars*NP.
013 MSG*This is the second text line*SS.
```

014 MSG*This is the last text line*SS. 015 SE*16*000000001. 016 GE*1*1*. 017 IEA*1*000000001.
--



## DELFOR (Delivery Schedule Message)

This document provides the Infor Automotive standard format and established data contents of a DELFOR (Delivery Schedule Message).

**Note:** DELFOR elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
<i>Data Segment Sequence for the Detail Level</i>				
<a href="#">UNS</a>	Section Control	M	1	
	Segment Group 4	C	500	4
<a href="#">NAD</a>	Name and Address	M	1	4
<a href="#">FTX</a>	Free Text	C	5	4
	Segment Group 6	C	5	6, 4
<a href="#">CTA</a>	Contact Information	M	1	6, 4
<a href="#">COM</a>	Communication Contact	C	5	6, 4
	Segment Group 8	C	999	8, 4
<a href="#">LIN</a>	Line Item	M	1	8, 4
<a href="#">PIA</a>	Additional Product ID	C	10	8, 4
<a href="#">IMD</a>	Item Description	C	10	8, 4
<a href="#">LOC</a>	Place/Location Identification	C	100	8, 4
<a href="#">FTX</a>	Free Text	C	5	8, 4
	Segment Group 9	C	5	9, 8, 4
<a href="#">CTA</a>	Contact Information	M	1	9, 8, 4
	Segment Group 10	C	10	10, 8, 4
<a href="#">RFF</a>	Reference	C	1	10, 8, 4
	Segment Group 11	C	10	11, 4
<a href="#">TDI</a>	Details of Transport	M	1	11, 4
	Segment Group 12	C	200	12, 8, 4

<a href="#">QTY</a>	Quantity	M	1	12, 8, 4
<a href="#">SCC</a>	Scheduling Conditions	C	1	12, 8, 4
<a href="#">DTM</a>	Date/Time/Period	C	2	12, 8, 4
<a href="#">NAD</a>	Name and Address	M	1	7, 6
<a href="#">RFF</a>	Reference	C	1	12, 8, 4
	Segment Group 17	C	1	17, 12, 8, 4
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">UNS</a>	Section Control	M	1	
<a href="#">CNT</a>	Control Total	C	5	
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Heading
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Delivery Schedule Message is DELFOR.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	, 000012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DELFOR
0052	Message Version	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 96A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Heading
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, Coded	S	C	3X	Will always be 221 for Blanket Order
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
1000	Document/Message Name	S	C	35X	Will always be DELFOR
1004	Document/Message Number	D	C	35X	<p>8 digit number with the following fixed format: YYYYWWSS where:</p> <p>YYYY = Model Year</p> <p><b>Note:</b> If you still have two digit years on the APP header, you will still send only the two digits, with the following 6 digit fixed format, YYWWSS.</p> <p>WW = Week of Release</p> <p>SS = Secondary Release Number.</p>
1225	Message Function, Coded	D	C	3X	<p>Code indicates the function of the message. Possible values include:</p> <p>5 = Replacement Document</p> <p>9 = Original Transmission.</p>
4343	Response Type, Coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Heading
Max Use:	10
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to convey the document creation date as well as horizon start and stop dates.
Comments:	There will be three iterations of the DTM segment in the header section: one for the document creation date, one for the horizon start date, and one for the horizon stop date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	97 = Transaction Creation Date 158 = Horizon Start Date 159 = Horizon End Date
2380	Date/Time/Period	S	C	35X	Date pertaining to date qualifier (above).
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date is in YYYYMMDD format.

## Name and Address

Segment:	NAD - Name and Address
Level:	Heading
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	This segment will be used three times in the header section: once to identify the buyer, once to identify the controlling supplier, and once to identify the ship-from location.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	BY = Buyer SU = Supplier SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company code from which the DELFOR was generated. If tag 3035 is SU or SF, this will be the RPS vendor code for the supplier.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company name. If tag 3035 is SU or SF, this will be the vendor name.
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		

3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company address line. If tag 3035 is SU or SF, this will be the vendor address.
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3164	City Name	D	C	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company city name. If tag 3035 is SU or SF, this will be the vendor city name.
3229	Country Sub-Entity Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company state name. If tag 3035 is SU or SF, this will be the vendor state name.
3251	Postcode Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company ZIP (postal) code. If tag 3035 is SU or SF, this will be the vendor ZIP (postal) code.
3207	Country, Coded	D	C		If tag 3035 is BY, this will be the <b>TRANS4M</b> company COUNTRY field. If tag 3035 is SU or SF, this will be the vendor COUNTRY field.

## Section Control

Segment:	UNS - Section Control
Level:	Detail
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	Used as a marker to easily identify the detail and summary section.

TAG	Name	Data Type	M/C	Format	Comments
0081	Section Identification	D	M	1X	Will always be D for Detail Section



## Name and Address

Segment:	NAD - Name and Address
Level:	Detail (Segment Group 4)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	The name and address field in the detail section is used to identify the ship-to location for the associated schedule.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	Will always be ST to indicate Ship-to
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> company code from which the DELFOR was generated.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	This will be the <b>TRANS4M</b> company name.
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M		This will be the <b>TRANS4M</b> company address line.
3164	City Name	D	C	35X	This will be the <b>TRANS4M</b> company city name.
3229	Country Sub-Entity Identification	D	C	9X	This will be the <b>TRANS4M</b> company state name.
3251	Postcode Identification	D	C	9X	This will be the <b>TRANS4M</b> company ZIP (postal) code.

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3207	Country, Coded	D	C		This will be <b>TRANS4M</b> company COUNTRY field.
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## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 4)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free form text message to supplier from buyer.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing."
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 6)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the supplier contact information.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	If tag 3139 is SC, this will be the PAPER RELEASE AUTHORIZA-TION field.

## Communication Contact

Segment:	COM - Communication Contact
Level:	Detail (Segment Group 6)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M	3X	Will always be TE to indicate Telephone Number

## Line Item

Segment:	LIN - Line Item
Segment Status:	Mandatory/Single Occurrence
Level:	Detail (Segment Group 8)
Max Use:	1
Purpose:	To convey line item data such as buyer part number, and to indicate the start of a LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DELFOR message.
1229	Action Request/Notification, Coded	D	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Buyer's Part Number
7143	Item Number Type, Coded	S	C	3X	Will always be BP to indicate Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, Coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, Coded	D	C	3X	Not Used

## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 8)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 to indicate Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Will be the Buyer's Purchase Order Number
7143	Item Number Type, Coded	S	C	3X	Will always be PO to indicate Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Engineering Change Number, if available.
7143	Item Number Type, Coded	S	C	3X	If the engineering change number is being issued in tag 7140, this will be EC to indicate Engineering Change Level.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	
7140	Item Number	S	C	3X	If available, this will be the Vendor's Part Number.
7143	Item Number Type, Coded	S	C	3X	If the vendor part is sent in tag 7140, this will be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used

C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used



## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 8)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, Coded	D	C	3X	Will always be A to indicate Free-form Long Description
7081	Item Characteristic, Coded	D	C	3X	Will always be 8 to indicate Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Will be the Buyer's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, Coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, Coded	D	C	3X	Not Used

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Detail (Segment Group 8)
Max Use:	100
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used

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3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 8)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Freeform text message to supplier from buyer.
Comments:	May be repeated up to three times, depending on how many messages the <b>TRANS4M</b> user has stored on the RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform message pertaining to the line item.
4440	Free Text	S	C	70X	Freeform message pertaining to the line item.

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 9)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used in LIN loop to convey the name of the planner for the buyer part.
Comments:	This segment will only be used if planner data has been entered in the <b>TRANS4M</b> RPS part master or inventory master databases.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Not Used
3412	Department or Employee	S	C	35X	Will be the name of the planner for the buyer part

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 10)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	C		
1153	Reference Qualifier	S	M	3X	Will always be AEP to indicate Project Number
1154	Reference Number	S	C	35X	Will be the Project Number associated with the P/O
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Details of Transport

Segment:	TDT - Details of Transport
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	To specify transportation details
Comments:	This segment will be used to convey the carrier name which is stored on the <b>TRANS4M</b> RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Will always be 25 to indicate Delivery Carrier All Transport
8028	Conveyance Reference Number	D	C		Not Used
C220	Mode of Transport	C	C		Not Used
C228	Transport Means	C	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	This will be the SHIP VIA field on the <b>TRANS4M</b> RPS purchase order.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
C401	Excess Transportation Information	C	C		Not Used
C222	Transport Identification	C	C		Not Used

## Quantity

Segment:	QTY - Quantity
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The quantity segment is used to convey the firm, planned last received, and CUM received quantities for the part/purchase order on the buyer's records.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	1 = Discrete Quantity 3 = FAB Auth or Raw Quantity 48 = Received Quantity 70 = Cumulative Quantity Received 79 = Previous Cumulative Quantity 135 = Period Quantity, Planned
6060	Quantity	S	M	15N	If tag 6063 is 1, this will be the firm quantity required for the time period given in the DTM segment.  If tag 6063 is 48, this will be the last quantity that was received by the buyer.  If tag 6063 is 70, this will be the YTD cumulative quantity received by the buyer.  If tag 6063 is 79, this will be the YTD cumulative quantity received on the last prior schedule issued to the supplier.  If tag 6063 is 135, this will be the planned quantity for the period given in the DTM segments.
6411	Measure Unit Qualifier	S	C	3X	Will be the unit of measure in which quantities are expressed from the buyer P/O.



## Scheduling Conditions

Segment:	SCC - Scheduling Conditions
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The SCC segment will be used to convey the ship/delivery and commitment requirements.
Comments:	This segment will only be used when firm quantities are being issued in the QTY segment.

TAG	Name	Data Type	M/C	Format	Comments
4017	Deliver Plan Status Indicator, Coded	D	M	3X	1 = Firm 2 = Commitment for Manufacturing and Materials 3 = Commitment for Material 4 = Planning/Forecast 5 = Past Due
4493	Delivery Requirements, Coded	D	C		Not Used
C329	Pattern Description	C	C		
2013	Frequency, Coded	S	C	3X	D = Discrete W = Weekly M = Monthly
2015	Despatch Pattern, Coded	S	C	3X	1 = 1st Week of Month 2 = 2nd Week of Month 3 = 3rd Week of Month 4 = 4th Week of Month 5 = 5th Week of Month 6 = 1st & 3rd Weeks of Month 7 = 2nd & 4th Weeks of Month 13 = Monday 14 = Tuesday 15 = Wednesday 16 = Thursday

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					17 = Friday 21 = As Directed (ship on date given in DTM segment).
2017	Despatch Pattern Timing, Coded	S	C		Not Used

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Detail (Segment Group 12)
Max Use:	2
Segment Status:	Mandatory/Multiple Occurrences
Comments:	No DTM segment will be issued when the QTY segment contains the YTD cumulative quantity. Two iterations of this segment will be used to convey the start and stop days when weekly or monthly quantities are being given in the QTY segment. One DTM segment will be used to identify the ship/delivery date for past due and discrete quantities.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	2 = Deliver Date/Time 10 = Shipment Date/Time 50 = Goods Receipt Date (used when the QTY segment contains the last ship quantity) 51 = Cumulative Qty Start Date (used when QTY segment contains the CUM receipts, FAB and RAW quantities) 52 = Cumulative Qty End Date 194 = Period Start Date 206 = Period Stop Date (used when QTY segment contains planning quantities)
2380	Date/Time/Period	S	C	35X	This will be the date (YYYYMMDD format) to which the associated QTY segment pertains.
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date will be in YYYYMMDD format.

## Name and Address

Segment:	NAD - Name and Address
Level:	Line Item Detail
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	The name and address field in the detail section is used to identify the special ship-to location for the associated line item.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	Will always be ST to indicate Ship-to
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> company code from which the DELFOR was generated.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	This will be the <b>TRANS4M</b> company name.
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M		This will be the <b>TRANS4M</b> company address line.
3164	City Name	D	C	35X	This will be the <b>TRANS4M</b> company city name.
3229	Country Sub-Entity Identification	D	C	9X	This will be the <b>TRANS4M</b> company state name.
3251	Postcode Identification	D	C	9X	This will be the <b>TRANS4M</b> company ZIP (postal) code.

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3207	Country, Coded	D	C		This will be <b>TRANS4M</b> company COUNTRY field.
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## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	C		
1153	Reference Qualifier	S	M	2X	Will always be SI to indicate Shipper Number
1154	Reference Number	S	C	35X	Will be the last shipper for the part and P/O
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Section Control

Segment:	UNS - Section Control
Level:	Summary
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
0081	Section Identification	D	M	1A	Will always be S to indicate the Start of the summary section

## Control Total

Segment:	CNT - Control Data
Level:	Summary
Max Use:	5
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
C270	Control	C	M		
6069	Control Qualifier	S	M	3X	Will always be 2 to indicate Number of Line Items in Message
6066	Control Value	S	M	18N	This will be the sum total of all the line items (LIN segments) in the DELFOR message.
6411	Measure Unit Qualifier	S	C		Not Used



## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of Segments in the Message.	D	M	6N	Will be the sum total of the number of segments in the message
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DELFOR document.

## DELJIT (Delivery Just in Time Message)

This section provides the Infor Automotive standard format and data contents of a DELJIT (Delivery Just in Time Message).

This DELJIT allows a customer to convey precise delivery sequence and Just in Time (JIT) schedule requirements to a supplier, and is intended to supplement the Delivery Schedule Message (DELFOR). The use of this message will facilitate the practice of JIT delivery by providing the customer with a mechanism to issue precise shipping schedule requirements in terms of a 24 hour clock and on more frequent basis than with the instance of a delivery schedule message, e.g., daily shipping schedules versus weekly planning schedules.

**Note:** DELJIT elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Heading Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
	Segment Group 1	C	10	1
<a href="#">RFF</a>	Reference	M	1	1
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
<a href="#">LOC</a>	Place/Location Identification	C	1	2
<a href="#">FTX</a>	Free Text	C	5	2
	Segment Group 3	C	5	3,2
<a href="#">CTA</a>	Contact Information	M	1	3,2
<a href="#">COM</a>	Communication	C	5	3,2
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 4	M	9999	4
<a href="#">SEQ</a>	Sequence Details	M	1	4
	Segment Group 5	C	5	5,4
PAC	Package	M	1	5,4
	Segment Group 6	C	99	6,5,4
PCI	Package Identification	M	1	6,5,4
GIN	Goods Identity Number	C	10	6,5,4
	Segment Group 7	C	9999	7,4
<a href="#">LIN</a>	Line Item	M	1	7,4

<a href="#">PIA</a>	Additional Product ID	C	10	7,4
<a href="#">IMD</a>	Item Description	C	10	7,4
ALI	Additional Information	C	5	7,4
GIR	Related Identification Information	C	5	7,4
<a href="#">TDI</a>	Details of Transport	C	5	7,4
<a href="#">FTX</a>	Free Text	C	5	7,4
PAC	Package	C	5	7,4
<a href="#">DTM</a>	Date/Time/Period	C	5	7,4
	Segment Group 8	C	5	8,7,4
<a href="#">RFF</a>	Reference	M	1	8,7,4
<a href="#">DTM</a>	Date/Time/Period	C	1	8,7,4
	Segment Group 9	C	5	9,7,4
<a href="#">LOC</a>	Place/Location Identification	M	1	9,7,4
	Segment Group 10	C	5	10,9,7,4
<a href="#">CTA</a>	Contact Information	M	1	10,9,7,4
<a href="#">COM</a>	Communication Contact	C	5	10,9,7,4
	Segment Group 11	C	100	11,7,4
<a href="#">QTY</a>	Quantity	M	1	11,7,4
<a href="#">SCC</a>	Scheduling Conditions	C	1	11,7,4
DTM	Date/Time/Period	C	1	11,7,4
	Segment Group 12	C	5	12,11,7,4
<a href="#">RFF</a>	Reference	M	1	12,11,7,4
<a href="#">DTM</a>	Date/Time/Period	C	1	12,11,7,4
<i>Data Segment Sequence for the Summary Level</i>				
FTX	Free Text	C	5	
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Heading
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Delivery Schedule Just in Time Message is DELJIT.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	, 000012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DELJIT
0052	Message Version	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 96A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Heading
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, Coded	S	C	3X	Will always be 242 for Delivering Just in Time
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
1000	Document Message/Name	S	C	35X	Will always be DELJIT
1004	Document/Message Number	D	C	35X	6 digit number with the following fixed format: YYWWSS where: YY = Model Year WW = Week of Release SS = Secondary Release Number.
1225	Message Function, Coded	D	C	3X	Code indicates the function of the message. 5 = Replacement Document
4343	Response Type, Coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Heading
Max Use:	10
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to convey the document creation date as well as horizon start and stop dates.
Comments:	There will be three iterations of the DTM segment in the header section: one for the document creation date, one for the horizon start date, and one for the horizon stop date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	97 = Transaction Creation Date 158 = Horizon Start Date 159 = Horizon End Date
2380	Date/Time/Period	S	C	35X	Date pertaining to date qualifier (above).
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date is in YYYYMMDD format.

## Reference

Segment:	RFF - Reference
Level:	Heading (Segment Group 1)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if there is only one Purchase Order for the entire release.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	Will always be ON to indicate Order Number (Purchase)
1154	Reference Number	S	C	35X	Will be the Purchase Order Number
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Name and Address

Segment:	NAD - Name and Address
Level:	Heading (Segment Group 2)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	This segment will be used three times in the header section: once to identify the buyer, once to identify the controlling supplier, and once to identify the ship-from location.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	ST = Ship-to SU = Supplier SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company code from which the DELJIT was generated. If tag 3035 is SU or SF, this will be the RPS vendor code for the supplier.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company name. If tag 3035 is SU or SF, this will be the vendor name.
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		



3036	Party Name	S	M		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3045	Party Name Format, Coded	S	C		Not Used
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company address line. If tag 3035 is SU or SF, this will be the vendor address.
3042	Street and Number/PO Box	S	C	35X	Address Line 2
3042	Street and Number/PO Box	S	C	35X	Address Line 3
3042	Street and Number/PO Box	S	C	35X	Address Line 4
3164	City Name	D	C	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company city name. If tag 3035 is SU or SF, this will be the vendor city name.
3229	Country Sub-Entity Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company state name. If tag 3035 is SU or SF, this will be the vendor state name.
3251	Postcode Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company ZIP (postal) code. If tag 3035 is SU or SF, this will be the vendor ZIP (postal) code.
3207	Country, Coded	D	C		If tag 3035 is BY, this will be the <b>TRANS4M</b> company COUNTRY field. If tag 3035 is SU or SF, this will be the vendor COUNTRY field.

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Heading (Segment Group 2)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used

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3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Heading (Segment Group 2)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free form text message to supplier from buyer.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor

## Contact Information

Segment:	CTA - Contact Information
Level:	Heading (Segment Group 3)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the supplier contact information.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	If tag 3139 is SC, this will be the PAPER RELEASE AUTHORIZA-TION field.

## Communication

Segment:	COM - Communication Contact
Level:	Heading (Segment Group 3)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M	3X	Will always be TE to indicate Telephone Number

## Sequence Details

Segment:	SEQ - Sequence Details
Level:	Detail (Segment Group 4)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To provide specific details related to the delivery sequence.

TAG	Name	Data Type	M/C	Format	Comments
1245	Status Indicator, Coded	D	C	3X	Will always be 5 = Replacement

## Line Item

Segment:	LIN - Line Item
Segment Status:	Mandatory/Single Occurrence
Level:	Detail (Segment Group 7)
Max Use:	1
Purpose:	To convey line item data such as buyer part number, and to indicate the start of a LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DELJIT message.
1229	Action Request/Notification, Coded	D	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Buyer's Part Number
7143	Item Number Type, Coded	S	C	3X	Will always be BP to indicate Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, Coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, Coded	D	C	3X	Not Used



## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 7)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 to indicate Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Will be the Buyer's Purchase Order Number
7143	Item Number Type, Coded	S	C	3X	Will always be PO to indicate Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Engineering Change Number, if available.
7143	Item Number Type, Coded	S	C	3X	If the engineering change number is being issued in tag 7140, this will be EC to indicate Engineering Change Level.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	
7140	Item Number	S	C	3X	If available, this will be the Vendor's Part Number.
7143	Item Number Type, Coded	S	C	3X	If the vendor part is sent in tag 7140, this will be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used

C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used

## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 7)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, Coded	D	C	3X	Will always be A to indicate Freeform IOng Description
7081	Item Characteristic, Coded	D	C	3X	Will always be 8 to indicate Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Will be the Buyer's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, Coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, Coded	D	C	3X	Not Used

## Details of Transport

Segment:	TDT - Details of Transport
Level:	Detail (Segment Group 7)
Max Use:	5
Segment Status:	Optional/Single Occurrence
Purpose:	To specify transportation details
Comments:	This segment will be used to convey the carrier name which is stored on the <b>TRANS4M</b> RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Will always be 25 to indicate Delivery Carrier All Transport
8028	Conveyance Reference Number	D	C		Not Used
C220	Mode of Transport	C	C		Not Used
C228	Transport Means	C	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	This will be the SHIP VIA field on the <b>TRANS4M</b> RPS purchase order.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
C401	Excess Transportation Information	C	C		Not Used
C222	Transport Identification	C	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 7)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Freeform text message to supplier from buyer.
Comments:	May be repeated up to three times, depending on how many messages the <b>TRANS4M</b> user has stored on the RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform message pertaining to the line item.
4440	Free Text	S	C	70X	Freeform message pertaining to the line item.

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 8)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	Will always be AEP to indicate Project Number
1154	Reference Number	S	C	35X	Will be the Project Number associated with the P/O.
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Comments:	No DTM segment will be issued when the QTY segment contains the YTD cumulative quantity. Two iterations of this segment will be used to convey the start and stop days when weekly or monthly quantities are being given in the QTY segment. One DTM segment will be used to identify the ship/delivery date for past due and discrete quantities.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	2 = Deliver Date/Time 50 = Goods Receipt Date (used when the QTY segment contains the last ship quantity) 51 = Cumulative Qty Start Date (used when QTY segment contains the CUM receipts, FAB and RAW quantities) 52 = Cumulative Qty End Date
2380	Date/Time/Period	S	C	35X	This will be the date (YYYYMMDD format) to which the associated QTY segment pertains.
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date will be in YYYYMMDD format.

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Detail (Segment Group 9)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used



3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 10)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used in LIN loop to convey the name of the planner for the buyer part.
Comments:	This segment will only be used if planner data has been entered in the <b>TRANS4M</b> RPS part master or inventory master databases.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Not Used
3412	Department or Employee	S	C	35X	Will be the name or code of the planner for the buyer part

## Quantity

Segment:	QTY - Quantity
&Euml;vel:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The quantity segment is used to convey the firm, planned last received, and CUM received quantities for the part/purchase order on the buyer's records.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	1 = Discrete Quantity 48 = Received Quantity 70 = Cumulative Quantity Received 79 = Previous Cumulative Quantity
6060	Quantity	S	M	15N	If tag 6063 is 1, this will be the firm quantity

					<p>required for the time period given in the DTM segment.</p> <p>If tag 6063 is 48, this will be the last quantity that was received by the buyer.</p> <p>If tag 6063 is 70, this will be the YTD cumulative quantity received by the buyer.</p>
6411	Measure Unit Qualifier	S	C	3X	<p>Will be the unit of measure in which quantities are expressed from the buyer P/O.</p>

## Scheduling Conditions

Segment:	SCC - Scheduling Conditions
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The SCC segment will be used to convey the ship/delivery and commitment requirements.
Comments:	This segment will only be used when firm quantities are being issued in the QTY segment.

TAG	Name	Data Type	M/C	Format	Comments
4017	Deliver Plan Status Indicator, Coded	D	M	3X	1 = Firm 5 = Past Due
4493	Delivery Requirements, Coded	D	C		Not Used
C329	Pattern Description	C	C		
2013	Frequency, Coded	S	C	3X	D = Discrete
2015	Despatch Pattern, Coded	S	C	3X	Not Used
2017	Despatch Pattern Timing, Coded	S	C		Not Used

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the last shipper number received is available from the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	Will always be SI to indicate Shipper Identification
1154	Reference Number	S	C	35X	Will be the last shipper number received
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of Segments in the Message.	D	M	6N	Will be the sum total of the number of segments in the message
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DELJIT document.

## DESADV (Despatch Advice Message)

This document provides the Infor Automotive standard format and established data contents of a DESADV (Despatch Advice Message).

**Note:** DESADV elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Heading Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
<a href="#">MEA</a>	Measurements	C	5	
	Segment Group 1			
<a href="#">RFF</a>	Reference	M	2	
	Segment Group 2	C	20	
<a href="#">NAD</a>	Name and Address	M	1	
<a href="#">TDT</a>	Details of Transport	M	1	
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 10	C	9999	
<a href="#">CPS</a>	Consignment Packing Sequence	M	1	
	Segment Group 15	C	9999	
<a href="#">LIN</a>	Line Item	M	1	
<a href="#">PIA</a>	Additional Product ID	M	10	
<a href="#">IMD</a>	Item Description	C	25	
<a href="#">QTY</a>	Quantity	C	10	
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">CNT</a>	Control Total	C	5	
<a href="#">UNT</a>	Message Trailer	M	1	



## Message Header

Segment:	UNH - Message Header
Level:	Heading
Max Use:	1
Segment Status:	
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Destination Advice Message is DESADV.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	Must be a unique number right-justified on a field of 8 zeros (e.g., 00012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DESADV
0052	Message Version	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 96A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Heading
Max Use:	1
Segment Status:	
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, coded	S	C	3X	Will always be 350 for Despatch Order
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
1000	Document Message/Name	S	C	35X	Will always be DESADV
1004	Document/Message Number	D	C	35X	This will be a unique 35-digit alphanumeric identifier assigned by the supplier at the time the DESADV message is generated.
1225	Message Function, coded	D	C	3X	Code indicates the function of the message. Possible values include:  5 = Replacement Document 9 = Original Transmission
4343	Response Type, coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Heading
Max Use:	10
Segment Status:	
Purpose:	The DTM segment should be used to convey the message creation date as well as the shipment date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M		10 = Shipment Date 17 = Estimated Arrival Date 97 = Transaction Creation Date
2380	Date/Time/Period	S	C		Date pertaining to date qualifier (above)
2379	Date/Time/Period Format Qualifier	S	C		This value may be 102, 203, or 303. 102 is for YYYYMMDD format; 203 is for YYYYMMDDHHMM format; 303 is for YYYYMMDDHHMMZZZ format (where "ZZZ" is the time zone).

**Note:** If the format qualifier is 203, then the time (HHMM) is required in order to load the document successfully. If the format qualifier is 303, then the time zone is also required (i.e., HHMMZZZ).

## Measurements

Segment:	MEA - Measurements
Level:	Heading
Max Use:	5
Segment Status:	
Purpose:	Used to specify physical measurements of shipment.
Comments:	This segment should be used to convey the shipment gross and tare weights.

TAG	Name	Data Type	M/C	Format	Comments
6311	Measurement Application Qualifier	D	M		Must be EGW for Estimated Gross Weight or WT for Weights  The estimated gross weight should be the total weight of the shipment which includes packaging.  The weights should only be the tare weight of the shipped parts.
C502	Measurement Details	C	C		Not Used
6313	Measurement Dimension, coded	S	C		Not Used
6321	Measurement Significance, coded	S	C		Not Used
6155	Measurement Attribute, coded	S	C		Not Used
6154	Measurement Attribute	S	C		Not Used
C174	Value/Range	C	C		Not Used
6411	Measure Unit Qualifier	S	M	3X	The Weight Unit of Measure
6314	Measurement Value	S	C		If tag 6311 is EGW, this should be the gross weight of the shipment.  If tag 6311 is WT, this should be the tare weight of the shipment.
6162	Range Minimum	S	C		Not Used
6152	Range Maximum	S	C		Not Used
6432	Significant Digits	S	C		Not Used
7383	Surface/Layer Indicator, coded	D	C		Not Used

## Reference

Segment:	RFF - Reference
Level:	Heading (Segment Group 1)
Max Use:	2
Purpose:	Used to convey the Bill of Lading and Packing Slip numbers.

TAG	Name	Data Type	M/C	Format	Comments
C5606	Reference	C	M		
1153	Reference Qualifier	S	M	3X	PK = Packing List Number BM = Bill of Lading Number
1154	Reference Number	S	C		If tag 1153 is BM, this will be the bill of lading number. If tag 1153 is PK, this will be the packing slip number.
1156	Line Number	S	C		Not Used
4000	Reference Version Number	S	C		Not Used

## Name and Address

Segment:	NAD - Name and Address
Level:	Heading (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	There must be two iterations of this segment: one each for the supplier ship-from and the buyer ship-to. The only required data element is tag 3039; however, other data element tags may be printed on reports and therefore should be sent where applicable (e.g., party name, address, city, etc.).

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	ST = Ship-to SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is ST, this will be the <b>TRANS4M</b> company code of the buyer ship-to location.  If tag 3035 is SF, this should be the RPS ship-from vendor code for the ship-from location.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		
3036	Party Name	S	M		

3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3164	City Name	D	C	35X	Not Used
3229	Country Sub-Entity Identification	D	C	9X	Not Used
3251	Postcode Identification	D	C	9X	Not Used
3207	Country, coded	D	C		Not Used

## Details of Transport

Segment:	TDT - Details of Transport
Level:	Heading (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used to convey the carrier information pertaining to the shipment.

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Must be 20 for Main Carriage Transport
8028	Conveyance Reference Number	D	C	17X	This will be the unique number assigned by the carrier to the shipment or carrier vehicle.
C220	Mode of Transport	C	C		
8067	Mode of Transport, coded	S	C	3X	EDIFACT code designating the mode of transport. Accepted values include: 20 = Rail Transport 30 = Road Transport 40 = Air Transport 60 = Multimodel Transport
8066	Mode of Transport	S	C	17X	Not Used
C228	Transport Means	C	C		
8179	Type of Means of Transport Identification	S	C		Not Used
8178	Type of Means of Transport	S	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	Code designating the carrier used to transport goods
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, coded	S	C		Not Used
3128	Carrier Name	S	C	37X	Not Used
8101	Transit Direction, coded	D	C		Not Used
C401	Excess	C	C		



	Transportation Information				
8457	Excess Transportation Reason, coded	S	M		Not Used
8459	Excess Transportation Responsibility, coded	S	M		Not Used
7130	Customer Authorization Number	S	C		Not Used
C222	Transport Identification	C	C		
8213	ID Of Means of Transport Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, coded	S	C		Not Used
8212	ID of Means of Transport	S	C		Not Used
8453	Nationality of Means of Transport, coded	S	C		Not Used
8281	Transport Ownership, coded	D	C		Not Used

## Consignment Packing Sequence

Segment:	CPS - Consignment Packing Sequence
Level:	Detail (Segment Group 10)
Max Use:	1
Segment Status:	
Purpose:	Segment is used to define a hierarchical structure to convey packaging information.
Comments:	No packaging information need be conveyed. This segment is only included to ensure conformity with EDIFACT standards

TAG	Name	Data Type	M/C	Format	Comments
7164	Hierarchical ID Number	D	M	12X	Because there will only be one hierarchical level, this value should always be 1.
7166	Hierarchical Parent ID	D	C		Not Used
7075	Packaging Level, coded	D	C		Not Used

## Line Item

Segment:	LIN - Line Item
Level:	Detail (Segment Group 15)
Max Use:	1
Segment Status:	
Purpose:	To convey line item data such as buyer part number and to indicate the start of the LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DESADV message.
1229	Action Request/Notification, coded	D	C	3X	Not Used
C212	Item Number Notification	C	C		
7140	Item Number	S	C	35X	
7143	Item Number Type, coded	S	C	3X	Should be the Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, coded	D	C	3X	Not Used

## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 15)
Max Use:	10
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 for Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Should be the Buyer's Purchase Order Number
7143	Item Number Type, coded	S	C	3X	Should always be PO for Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	If desired, this should be the Vendor's Part Number
7143	Item Number Type, coded	S	C	3X	If the vendor part is sent in tag 7140, this should be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number	C	C	3X	Not Used

	Identification				
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used

## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 15)
Max Use:	25
Segment Status:	
Purpose:	Used to describe the product being dispatched.
Comments:	This is an optional segment which the supplier may send; it is not loaded in RPS. If present, this segment will be included on any report of the EDI data.

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, coded	D	C	3X	Should always be A for Freeform Long Description
7081	Item Characteristic, coded	D	C	3X	Should always be 8 for Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Should be the Seller's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, coded	D	C	3X	Not Used

## Quantity

Segment:	QTY - Quantity
Level:	Detail (Segment Group 15)
Max Use:	10
Segment Status:	
Purpose:	Used to convey quantities associated with the parts being shipped.
Comments:	Two iterations of this segment must be used: one for the discrete quantity being shipped for the line item, and one for the cumulative quantity (including this shipment) shipped against the purchase order.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	1 = Discrete 3 = Cumulative
6060	Quantity	S	M	15N	If tag 6063 is 1, this must be the quantity being shipped for the line item.  If tag 6063 is 3, this must be the cumulative quantity shipped against the line item P/O, including this shipment.
6411	Measure Unit Qualifier	S	C	3X	Must be the unit of measure in which the line item is shipped.

## Control Total

Segment:	CNT - Control Total
Level:	Summary
Mac Use:	5
Segment Status:	
Purpose:	To provide control data pertaining to the DESADV message.

TAG	Name	Data Type	M/C	Format	Comments
C270	Control	C	M		
6069	Control Qualifier	S	M	3X	Will always be 2 to indicate Number of Line Items in Message
6066	Control Value	S	M	18N	This will be the sum total of all the line items (LIN segments) in the DESADV message.
6411	Measure Unit Qualifier	S	C		Not Used



## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of segments in the message	D	M	6N	This will be the sum total of the number of segments in the message.
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DESADV document.

## APERAK (Application Error and Acknowledgement Message)

This section provides the Infor Automotive standard format and established data contents of an APERAK (Application Error and Acknowledgement) Message.

**Note:** APERAK elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
<a href="#">FTX</a>	Free Text	C	1	
	Segment Group 1	C	1	
<a href="#">RFF</a>	Reference	M	1	
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
<a href="#">CTA</a>	Contact Information	C	9	2
<a href="#">COM</a>	Communication Contact	C	9	2
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 3	C	99999	3
<a href="#">ERC</a>	Application Error Information	M	1	3
<a href="#">FTX</a>	Free Text	C	1	3
	Segment Group 4	C	500	4
<a href="#">RFF</a>	Reference	M	1	4,3
<a href="#">FTX</a>	Free Text	C	9	4,3
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Application Error and Acknowledgment Message is APERAK.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	Must be a unique number right-justified on a field of 8 zeros (e.g., 00012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be APERAK
0052	Message Version Number	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 96A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, coded	S	C	3X	Will always be 23 for Status Information
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
1000	Document Message/Name	S	C	35X	Will always be APERAK
1004	Document/Message Number	D	C	35X	Not Used
1225	Message Function, coded	D	C	3X	Not Used
4343	Response Type, coded	D	C		Not Used

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Header
Max Use:	10
Segment Status:	
Purpose:	The DTM segment should be used to convey the message creation date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M		137 = Document/Message Date/ Time
2380	Date/Time/Period	S	C		Date pertaining to date qualifier (above)
2379	Date/Time/Period Format Qualifier	S	C		Will always be 102 to indicate that the date is in YYYYMMDD format

## Free Text

Segment:	FTX - Free Text
Level:	Header
Max Use:	1
Segment Status:	Conditional - if no errors
Purpose:	Freeform text message to indicate acceptance with no errors.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAE
4453	Text Function, Coded	D	M	3X	Will always be 3 to indicate Text for immediate use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Will always be DESADV
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Will always be "Transaction Accepted"
4440	Free Text	S	C	70X	Freeform message for Vendor.
4440	Free Text	S	C	70X	Freeform message for Vendor.

## Reference

Segment:	RFF - Reference
Level:	Header - Segment 1 is conditional on there being no errors. RFF is mandatory if Segment 1 is sent.
Max Use:	1
Segment Status:	
Purpose:	Used to provide a reference relating to the acknowledgement.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	SI=SID (Shipper's Identifying Number)
1154	Reference Number	S	C		Shipper's Identifying Number sent on the DESADV being acknowledged.
1156	Line Number	S	C		Not Used
4000	Reference Vision Number	S	C		Not Used

## Name and Address

Segment:	NAD - Name and Address
Level:	Header (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used in header to identify both the sending and receiving parties.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	FR = Message From MR = Message Recipient
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is FR, this will be the <b>TRANS4M</b> company code from which the APERAK was generated.  If tag 3035 is MR, this will be the RPS ship-from vendor code for the ship-from location.
1131	Code List Qualifier	S	C	3X	If tag 3035 is MR, this will be 10 (Enhanced Party Identification).
3055	Code List Responsible Agency, coded	S	C	3X	If tag 3035 is MR, this will be 86 (Assigned by Party Originating Message).
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	FR = The <b>TRANS4M</b> Company Name
3124	Name and Address Line	S	C	35X	MR = The Supplier Name
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		



3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	This will be the <b>TRANS4M</b> Company Address Line 1
3042	Street and Number/PO Box	S	C	35X	This will be the <b>TRANS4M</b> Company Address Line 2
3042	Street and Number/PO Box	S	C	35X	This will be the <b>TRANS4M</b> Company Address Line 3
3042	Street and Number/PO Box	S	C	35X	This will be the <b>TRANS4M</b> Company Address Line 4
3164	City Name	D	C	35X	Not Used
3229	Country Sub-Entity Identification	D	C	9X	Not Used
3251	Postcode Identification	D	C	9X	Not Used
3207	Country, coded	D	C		Not Used

## Contact Information

Segment:	CTA - Contact Information
Level:	Segment Group 2
Max Use:	9
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the person to whom communications should always be directed.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be AH to indicate Coordination Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Will always be MATERIAL MANAGER

## Communication Contact

Segment:	COM - Communication Contact
Level:	Segment 2
Max Use:	9
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M		Will always be TE to indicate Telephone Number

## Application Error Information

Segment:	ERC - Application Error Information
Level:	Detail (Segment Group 3)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	Used to specify the type of application error within a received message.

TAG	Name	Data Type	M/C	Format	Comments
C901	Application Error Detail	C	M		
9321	Application Error Identification	S	M		006 = Duplicate 007 = Missing Data 009 = Invalid Date 024 = Other Unlisted Reason
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, coded	S	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 3)
Max Use:	9
Segment Status:	Optional/Multiple Occurrences
Purpose:	Freeform text message to indicated acknowledgment of sent message if no errors occurred.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAE to indicate Acknowledgment Description
4453	Text Function, Coded	D	M	3X	Will always be 3 to indicate Text for immediate use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Will always be DESADV
4440	Free Text	S	C	70X	Will always be Transaction Accepted if no errors occurred

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 4)
Max Use:	1
Segment Status:	
Purpose:	Used to provide a reference relating to the acknowledgment.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	SI = SID (Shipper's Identifying Number)
1154	Reference Number	S	C		Shipper's Identifying Number sent on the DESADV being acknowledged or error reported.
1156	Line Number	S	C		Not Used
4000	Reference Version Number	S	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 4)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	Freeform text message to provide explanation related to the specified application error.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAO to indicate Error Description
4453	Text Function, Coded	D	M	3X	Will always be 3 to indicate Text for immediate use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform message for Vendor
4440	Free Text	S	C	70X	Freeform message for Vendor
4440	Free Text	S	C	70X	Freeform message for Vendor

## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of segments in the message	D	M	6N	This will be the sum total of the number of segments in the message.
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DESADV document.



## DELFOR (Delivery Schedule Message)

This section provides the Infor Automotive standard format and established data contents of a DELFOR (Delivery Schedule Message).

**Note:** DELFOR elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 6	C	9999	
<a href="#">GIS</a>	General Indicator	M	1	6
	Segment Group 7	C	500	7, 6
<a href="#">NAD</a>	Name and Address	M	1	7, 6
<a href="#">FTX</a>	Free Text	C	5	7, 6
	Segment Group 10	C	5	10, 7, 6
<a href="#">CTA</a>	Contact Information	M	1	10, 7, 6
<a href="#">COM</a>	Communication Contact	C	5	10, 7, 6
	Segment Group 11	C	10	11, 7, 6
<a href="#">TDI</a>	Details for Transport	M	1	11, 7, 6
	Segment Group 12	C	9999	12, 6
<a href="#">LIN</a>	Line Item	M	1	12, 6
<a href="#">PIA</a>	Additional Product ID	C	10	12, 6
<a href="#">IMD</a>	Item Description	C	10	12, 6
<a href="#">LOC</a>	Place/Location Identification	C	999	12, 6
<a href="#">FTX</a>	Free Text	C	5	12, 6
	Segment Group 22	C	999	22, 12, 6
	Segment Group 24	C	5	24, 22, 12, 6
<a href="#">CTA</a>	Contact Information	M	1	24, 22, 12, 6
	Segment Group 26	C	10	26, 22, 12, 6

<a href="#">RFF</a>	Reference	C	1	26, 22, 12, 6
	Segment Group 27	M	999	27, 22, 12, 6
<a href="#">SCC</a>	Scheduling Conditions	C	1	27, 22, 12, 6
	Segment Group 28	C	999	28, 22, 12, 6
<a href="#">QTY</a>	Quantity	M	1	28, 22, 12, 6
<a href="#">DTM</a>	Date/Time/Period	C	2	28, 22, 12, 6
<a href="#">NAD</a>	Name and Address	M	1	7, 6
	Segment Group 29	C	10	29, 28, 22, 12, 6
<a href="#">RFF</a>	Reference	C	1	29, 28, 22, 12, 6
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Header
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Delivery Schedule Message is DELFOR.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	, 000012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DELFOR
0052	Message Version Number	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 97A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Header
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, Coded	S	C	3X	Will always be 221 for Blanket Order
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
1000	Document/Message Name	S	C	35X	Will always be DELFOR
1004	Document/Message Number	D	C	35X	8 digit number with the following fixed format: YYYYWWSS where: YYYY = Model Year WW = Week of Release SS = Secondary Release Number.
1225	Message Function, Coded	D	C	3X	Code indicates the function of the message. Possible values include: 5 = Replacement Document 9 = Original Transmission.
4343	Response Type, Coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Header
Max Use:	10
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to convey the document creation date as well as horizon start and stop dates.
Comments:	There will be three iterations of the DTM segment in the header section: one for the document creation date, one for the horizon start date, and one for the horizon stop date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	97 = Transaction Creation Date 158 = Horizon Start Date 159 = Horizon End Date
2380	Date/Time/Period	S	C	35X	Date pertaining to date qualifier (above).
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date is in YYYYMMDD format.

## Name and Address

Segment:	NAD - Name and Address
Level:	Header (Segment Group 2)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	This segment will be used three times in the header section: 1. once to identify the buyer. 2. once to identify the controlling supplier. 3. once to identify the ship-from location.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	BY = Buyer SU = Supplier SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company code from which the DELFOR was generated. If tag 3035 is SU or SF, this will be the RPS vendor code for the supplier.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company name. If tag 3035 is SU or SF, this will be the vendor name.
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address	S	C	35X	Not Used

	Line				
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company address line. If tag 3035 is SU or SF, this will be the vendor address.
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3164	City Name	D	C	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company city name. If tag 3035 is SU or SF, this will be the vendor city name.
3229	Country Sub-Entity Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company state name. If tag 3035 is SU or SF, this will be the vendor state name.
3251	Postcode Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company ZIP (postal) code. If tag 3035 is SU or SF, this will be the vendor ZIP (postal) code.
3207	Country, Coded	D	C		If tag 3035 is BY, this will be the <b>TRANS4M</b> company COUNTRY field. If tag 3035 is SU or SF, this will be the vendor COUNTRY field.

## General Indicator

Segment:	GIS - General Indicator
Level:	Detail
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
C529	Processing Indicator	C	M		
7365	Processing Indicator, Coded	S	M		37 = Complete Information



## Name and Address

Segment:	NAD - Name and Address
Level:	Detail (Segment Group 7)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	The name and address field in the detail section is used to identify the ship-to location for the associated schedule.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	Will always be ST to indicate Ship-to
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> company code from which the DELFOR was generated.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	This will be the <b>TRANS4M</b> company name.
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M		This will be the <b>TRANS4M</b> company address line.
3164	City Name	D	C	35X	This will be the <b>TRANS4M</b> company city name.
3229	Country Sub-Entity Identification	D	C	9X	This will be the <b>TRANS4M</b> company state name.
3251	Postcode Identification	D	C	9X	This will be the <b>TRANS4M</b> company ZIP (postal) code.

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3207	Country, Coded	D	C		This will be <b>TRANS4M</b> company COUNTRY field.
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## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 7)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free form text message to supplier from buyer.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Free-form Message for Vendor
4440	Free Text	S	C	70X	Free-form Message for Vendor

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 10)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the supplier contact information.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	If tag 3139 is SC, this will be the PAPER RELEASE AUTHORIZA-TION field.

## Communication Contact

Segment:	COM - Communication Contact
Level:	Detail (Segment Group 10)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M	3X	Will always be TE to indicate Telephone Number

## Details of Transport

Segment:	TDT - Details of Transport
Level:	Detail (Segment Group 7)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	To specify transportation details
Comments:	This segment will be used to convey the carrier name which is stored on the <b>TRANS4M</b> RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Will always be 25 to indicate Delivery Carrier All Transport
8028	Conveyance Reference Number	D	C		Not Used
C220	Mode of Transport	C	C		Not Used
C228	Transport Means	C	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	This will be the SHIP VIA field on the <b>TRANS4M</b> RPS purchase order.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
C401	Excess Transportation Information	C	C		Not Used
C222	Transport Identification	C	C		Not Used

## Line Item

Segment:	LIN - Line Item
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To convey line item data such as buyer part number, and to indicate the start of a LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DELFOR message.
1229	Action Request/Notification, Coded	D	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Buyer's Part Number
7143	Item Number Type, Coded	S	C	3X	Will always be BP to indicate Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, Coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, Coded	D	C	3X	Not Used

## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 12)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 to indicate Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Will be the Buyer's Purchase Order Number
7143	Item Number Type, Coded	S	C	3X	Will always be PO to indicate Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Engineering Change Number, if available.
7143	Item Number Type, Coded	S	C	3X	If the engineering change number is being issued in tag 7140, this will be EC to indicate Engineering Change Level.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	
7140	Item Number	S	C	3X	If available, this will be the Vendor's Part Number.
7143	Item Number Type, Coded	S	C	3X	If the vendor part is sent in tag 7140, this will be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used



C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used

## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 12)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, Coded	D	C	3X	Will always be A to indicate Free-form long Description
7081	Item Characteristic, Coded	D	C	3X	Will always be 8 to indicate Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Will be the Buyer's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, Coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, Coded	D	C	3X	Not Used

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Detail (Segment Group 12)
Max Use:	999
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used

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3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 12)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Freeform text message to supplier from buyer.
Comments:	May be repeated up to three times, depending on how many messages the <b>TRANS4M</b> user has stored on the RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Free-form message pertaining to the line item.
4440	Free Text	S	C	70X	Free-form message pertaining to the line item.

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 24)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used in LIN loop to convey the name of the planner for the buyer part.
Comments:	This segment will only be used if planner data has been entered in the <b>TRANS4M</b> RPS part master or inventory master databases.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Not Used
3412	Department or Employee	S	C	35X	Will be the name of the planner for the buyer part

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 26)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	C		
1153	Reference Qualifier	S	M	3X	Will always be AEP to indicate Project Number
1154	Reference Number	S	C	35X	Will be the Project Number associated with the P/O
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Scheduling Conditions

Segment:	SCC - Scheduling Conditions
Level:	Detail (Segment Group 27)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The SCC segment will be used to convey the ship/delivery and commitment requirements.
Comments:	This segment will only be used when firm quantities are being issued in the QTY segment.

TAG	Name	Data Type	M/C	Format	Comments
4017	Deliver Plan Status Indicator, Coded	D	M	3X	1 = Firm 2 = Commitment for Manufacturing and Materials 3 = Commitment for Material 4 = Planning/Forecast 5 = Past Due
4493	Delivery Requirements, Coded	D	C		Not Used
C329	Pattern Description	C	C		
2013	Frequency, Coded	S	C	3X	D = Discrete W = Weekly M = Monthly
2015	Despatch Pattern, Coded	S	C	3X	1 = 1st Week of Month 2 = 2nd Week of Month 3 = 3rd Week of Month 4 = 4th Week of Month 5 = 5th Week of Month 6 = 1st & 3rd Weeks of Month 7 = 2nd & 4th Weeks of Month 13 = Monday 14 = Tuesday 15 = Wednesday 16 = Thursday



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					17 = Friday 21 = As Directed (ship on date given in DTM segment).
2017	Despatch Pattern Timing, Coded	S	C		Not Used

## Quantity

Segment:	QTY - Quantity
Level:	Detail (Segment Group 28)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The quantity segment is used to convey the firm, planned last received, and CUM received quantities for the part/purchase order on the buyer's records.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	<p>1 = Discrete Quantity</p> <p>3 = FAB Auth or Raw Quantity</p> <p>48 = Received Quantity</p> <p>70 = Cumulative Quantity Received</p> <p>79 = Previous Cumulative Quantity</p> <p>135 = Period Quantity, Planned</p>
6060	Quantity	S	M	15N	<p>If tag 6063 is 1, this will be the firm quantity required for the time period given in the DTM segment.</p> <p>If tag 6063 is 48, this will be the last quantity that was received by the buyer.</p> <p>If tag 6063 is 70, this will be the YTD cumulative quantity received by the buyer.</p> <p>If tag 6063 is 79, this will be the YTD cumulative quantity received on the last prior schedule issued to the supplier.</p> <p>If tag 6063 is 135, this will be the planned quantity for the period given in the DTM segments.</p>
6411	Measure Unit Qualifier	S	C	3X	Will be the unit of measure in which quantities are expressed from the buyer P/O.

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Detail (Segment Group 28)
Max Use:	2
Segment Status:	Mandatory/Multiple Occurrences
Comments:	No DTM segment will be issued when the QTY segment contains the YTD cumulative quantity. Two iterations of this segment will be used to convey the start and stop days when weekly or monthly quantities are being given in the QTY segment. One DTM segment will be used to identify the ship/delivery date for past due and discrete quantities.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	2 = Deliver Date/Time 10 = Shipment Date/Time 50 = Goods Receipt Date (used when the QTY segment contains the last ship quantity) 51 = Cumulative Qty Start Date (used when QTY segment contains the CUM receipts, FAB and RAW quantities) 52 = Cumulative Qty End Date 194 = Period Start Date 206 = Period Stop Date (used when QTY segment contains planning quantities)
2380	Date/Time/Period	S	C	35X	This will be the date (YYYYMMDD format) to which the associated QTY segment pertains.
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date will be in YYYYMMDD format.

## Name and Address

Segment:	NAD - Name and Address
Level:	Line Item Detail
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	The name and address field in the detail section is used to identify the special ship-to location for the associated line item.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	Will always be ST to indicate Ship-to
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> company code from which the DELFOR was generated.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	This will be the <b>TRANS4M</b> company name.
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M		This will be the <b>TRANS4M</b> company address line.
3164	City Name	D	C	35X	This will be the <b>TRANS4M</b> company city name.
3229	Country Sub-Entity Identification	D	C	9X	This will be the <b>TRANS4M</b> company state name.
3251	Postcode Identification	D	C	9X	This will be the <b>TRANS4M</b> company ZIP (postal) code.

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3207	Country, Coded	D	C		This will be <b>TRANS4M</b> company COUNTRY field.
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## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 29)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	C		
1153	Reference Qualifier	S	M	2X	Will always be SI to indicate Shipper Number
1154	Reference Number	S	C	35X	Will be the last shipper for the part and P/O
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of Segments in the Message.	D	M	6N	Will be the sum total of the number of segments in the message
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DELFOR document.

## DELJIT (delivery Just in Time Message)

This section provides the Infor Automotive standard format and data contents of a DELJIT (Delivery Just in Time Message).

This DELJIT allows a customer to convey precise delivery sequence and Just in Time (JIT) schedule requirements to a supplier, and is intended to supplement the Delivery Schedule Message (DELFOR). The use of this message will facilitate the practice of JIT delivery by providing the customer with a mechanism to issue precise shipping schedule requirements, in terms of a 24 hour clock, and on a more frequent basis than with the instance of a delivery schedule message (e.g., daily shipping schedules versus weekly planning schedules).

**Note:** DELJIT elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
	Segment Group 1	C	10	1
<a href="#">RFF</a>	Reference	M	1	1
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
<a href="#">LOC</a>	Place/Location Identification	C	10	2
<a href="#">FTX</a>	Free Text	C	5	2
	Segment Group 3	C	5	3,2
<a href="#">CTA</a>	Contact Information	M	1	3,2
<a href="#">COM</a>	Communication Contact	C	5	3,2
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 4	M	9999	4
<a href="#">SEQ</a>	Sequence Details	M	1	4
	Segment Group 7	C	9999	7,4
<a href="#">LIN</a>	Line Item	M	1	7,4
<a href="#">PIA</a>	Additional Product ID	C	10	7,4
<a href="#">IMD</a>	Item Description	C	10	7,4
<a href="#">TDI</a>	Details of Transport	C	5	7,4
<a href="#">FTX</a>	Free Text	C	5	7,4



	Segment Group 8	C	5	8,7,4
<a href="#">RFF</a>	Reference	M	1	8,7,4
	Segment Group 9	C	5	9,7,4
<a href="#">LOC</a>	Place/Location Identification	M	1	9,7,4
	Segment Group 10	C	5	10,9,7,4
<a href="#">CTA</a>	Contact Information	M	1	10,9,7,4
	Segment Group 11	C	100	11,7,4
<a href="#">QTY</a>	Quantity	M	1	11,7,4
<a href="#">SCC</a>	Scheduling Conditions	C	1	11,7,4
<a href="#">DTM</a>	Date/Time/Period	C	1	11,7,4
	Segment Group 12	C	5	12,11,7,4
<a href="#">RFF</a>	Reference	M	1	12,11,7,4
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Header
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Delivery Schedule Message is DELFOR.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	, 000012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DELJIT
0052	Message Version Number	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 97A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Header
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, Coded	S	C	3X	Will always be 242 for Delivering Just in Time
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
1000	Document Message/Name	S	C	35X	Will always be DELJIT
1004	Document/Message Number	D	C	35X	6 digit number with the following fixed format: YYWWSS where: YY = Model Year WW = Week of Release SS = Secondary Release Number.
1225	Message Function, Coded	D	C	3X	Code indicates the function of the message. 5 = Replacement Document
4343	Response Type, Coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Header
Max Use:	10
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to convey the document creation date as well as horizon start and stop dates.
Comments:	There will be three iterations of the DTM segment in the header section: one for the document creation date, one for the horizon start date, and one for the horizon stop date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	97 = Transaction Creation Date 158 = Horizon Start Date 159 = Horizon End Date
2380	Date/Time/Period	S	C	35X	Date pertaining to date qualifier (above).
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date is in YYYYMMDD format.

## Reference

Segment:	RFF - Reference
Level:	Header (Segment Group 1)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if there is only one Purchase Order for the entire release.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	Will always be ON to indicate Order Number (Purchase)
1154	Reference Number	S	C	35X	Will be the Purchase Order Number
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Name and Address

Segment:	NAD - Name and Address
Level:	Header (Segment Group 2)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	This segment will be used three times in the header section: once to identify the buyer, once to identify the controlling supplier, and once to identify the ship-from location.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	ST = Ship-to SU = Supplier SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company code from which the DELJIT was generated.  If tag 3035 is SU or SF, this will be the RPS vendor code for the supplier.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company name.  If tag 3035 is SU or SF, this will be the vendor name.
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		

3036	Party Name	S	M		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3036	Party Name	S	C		Not Used
3045	Party Name Format, Coded	S	C		Not Used
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company address line. If tag 3035 is SU or SF, this will be the vendor address.
3042	Street and Number/PO Box	S	C	35X	Address Line 2
3042	Street and Number/PO Box	S	C	35X	Address Line 3
3042	Street and Number/PO Box	S	C	35X	Address Line 4
3164	City Name	D	C	35X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company city name. If tag 3035 is SU or SF, this will be the vendor city name.
3229	Country Sub-Entity Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company state name. If tag 3035 is SU or SF, this will be the vendor state name.
3251	Postcode Identification	D	C	9X	If tag 3035 is BY, this will be the <b>TRANS4M</b> company ZIP (postal) code. If tag 3035 is SU or SF, this will be the vendor ZIP (postal) code.
3207	Country, Coded	D	C		If tag 3035 is BY, this will be the <b>TRANS4M</b> company COUNTRY field. If tag 3035 is SU or SF, this will be the vendor COUNTRY field.

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Header (Segment Group 2)
Max Use:	10
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used



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3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Header (Segment Group 2)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free-form text message to supplier from buyer.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Free-form Message for Vendor
4440	Free Text	S	C	70X	Free-form Message for Vendor

## Contact Information

Segment:	CTA - Contact Information
Level:	Header (Segment Group 3)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the supplier contact information.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	If tag 3139 is SC, this will be the PAPER RELEASE AUTHORIZA-TION field.

## Communication Contact

Segment:	COM - Communication Contact
Level:	Header (Segment Group 3)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M	3X	Will always be TE to indicate Telephone Number

## Sequence Details

Segment:	SEQ - Sequence Details
Level:	Detail (Segment Group 4)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To provide specific details related to the delivery sequence.

TAG	Name	Data Type	M/C	Format	Comments
1245	Status Indicator, Coded	D	C	3X	Will always be 5 = Replacement

## Line Item

Segment:	LIN - Line Item
Level:	Detail (Segment Group 7)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	To convey line item data such as buyer part number, and to indicate the start of a LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DELJIT message.
1229	Action Request/Notification, Coded	D	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Buyer's Part Number
7143	Item Number Type, Coded	S	C	3X	Will always be BP to indicate Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, Coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, Coded	D	C	3X	Not Used

## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 7)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 to indicate Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Will be the Buyer's Purchase Order Number
7143	Item Number Type, Coded	S	C	3X	Will always be PO to indicate Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	Will be the Engineering Change Number, if available.
7143	Item Number Type, Coded	S	C	3X	If the engineering change number is being issued in tag 7140, this will be EC to indicate Engineering Change Level.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	
7140	Item Number	S	C	3X	If available, this will be the Vendor's Part Number.
7143	Item Number Type, Coded	S	C	3X	If the vendor part is sent in tag 7140, this will be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used

C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, Coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used



## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 7)
Max Use:	10
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, Coded	D	C	3X	Will always be A to indicate Free-form Long Description
7081	Item Characteristic, Coded	D	C	3X	Will always be 8 to indicate Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Will be the Buyer's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, Coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, Coded	D	C	3X	Not Used

## Details of Transport

Segment:	TDT - Details of Transport
Level:	Detail (Segment Group 7)
Max Use:	5
Segment Status:	Optional/Single Occurrence
Purpose:	To specify transportation details
Comments:	This segment will be used to convey the carrier name which is stored on the <b>TRANS4M</b> RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Will always be 25 to indicate Delivery Carrier All Transport
8028	Conveyance Reference Number	D	C		Not Used
C220	Mode of Transport	C	C		Not Used
C228	Transport Means	C	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	This will be the SHIP VIA field on the <b>TRANS4M</b> RPS purchase order.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
C401	Excess Transportation Information	C	C		Not Used
C222	Transport Identification	C	C		Not Used

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 7)
Max Use:	5
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free-form text message to supplier from buyer.
Comments:	May be repeated up to three times, depending on how many messages the <b>TRANS4M</b> user has stored on the RPS purchase order.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 1 to indicate Text for Subsequent Use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Free-form message pertaining to the line item.
4440	Free Text	S	C	70X	Free-form message pertaining to the line item.

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 8)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the project number has been entered on the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	AEP = Project Number AHE = Signal Code Number FS = Final Sequence Number
1154	Reference Number	S	C	35X	If tag 1153 is AEP, this is the Project Number associated with the PO. If tag 1153 is AHE, this is the beginning signal number. If tag 1153 is FS, this is the ending signal number.
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Place/Location Identification

Segment:	LOC - Place/Location Identification
Level:	Detail (Segment Group 9)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	To convey the place at which ownership of parts transfers from seller to buyer, or the dock where parts are to ultimately be delivered.
Comments:	There will be, at most, two occurrences of this segment: one for the transfer of ownership, and another for the dock code. Data for these segments is optional, so the segment may not appear at all.

TAG	Name	Data Type	M/C	Format	Comments
3227	Place/Location Qualifier	D	M	3X	16 = Place of Transfer of Ownership 83 = Place of Delivery
C517	Location Identification	C	C		
3225	Place/Location Identification	S	C	25X	If tag 3227 is 16, this will identify the place where ownership of the product changes from seller to buyer.  If tag 3227 is 83, this is the buyer's dock code where the items are to be delivered.
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3224	Place/Location	S	C		Not Used
C519	Related Location One Identification	C	C		Not Used
3223	Related Place/Location One Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, Coded	S	C		Not Used
3222	Related Place/Location One	S	C		Not Used
C553	Related Location Two Identification	C	C		Not Used

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3233	Related Place/Location Two Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, Coded	S	C	3X	Not Used
3232	Related Place/Location Two	S	C		Not Used
5479	Relation, Coded	D	C		Not Used

## Contact Information

Segment:	CTA - Contact Information
Level:	Detail (Segment Group 10)
Max Use:	10
Segment Status:	Optional/Single Occurrence
Purpose:	Used in LIN loop to convey the name of the planner for the buyer part.
Comments:	This segment will only be used if planner data has been entered in the <b>TRANS4M</b> RPS part master or inventory master databases.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be SC to indicate Schedule Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Not Used
3412	Department or Employee	S	C	35X	Will be the name or code of the planner for the buyer part

## Quantity

Segment:	QTY - Quantity
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The quantity segment is used to convey the firm, planned last received, and CUM received quantities for the part/purchase order on the buyer's records.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	1 = Discrete Quantity 48 = Received Quantity 70 = Cumulative Quantity Received 79 = Previous Cumulative Quantity
6060	Quantity	S	M	15N	If tag 6063 is 1, this will be the firm quantity required for the time period given in the DTM segment.  If tag 6063 is 48, this will be the last quantity that was received by the buyer.  If tag 6063 is 70, this will be the YTD cumulative quantity received by the buyer.
6411	Measure Unit Qualifier	S	C	3X	Will be the unit of measure in which quantities are expressed from the buyer P/O.



## Scheduling Conditions

Segment:	SCC - Scheduling Conditions
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Purpose:	The SCC segment will be used to convey the ship/delivery and commitment requirements.
Comments:	This segment will only be used when firm quantities are being issued in the QTY segment.

TAG	Name	Data Type	M/C	Format	Comments
4017	Deliver Plan Status Indicator, Coded	D	M	3X	1 = Firm 5 = Past Due
4493	Delivery Requirements, Coded	D	C		Not Used
C329	Pattern Description	C	C		
2013	Frequency, Coded	S	C	3X	D = Discrete
2015	Despatch Pattern, Coded	S	C	3X	Not Used
2017	Despatch Pattern Timing, Coded	S	C		Not Used

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Detail (Segment Group 11)
Max Use:	1
Segment Status:	Mandatory/Multiple Occurrences
Comments:	No DTM segment will be issued when the QTY segment contains the YTD cumulative quantity. Two iterations of this segment will be used to convey the start and stop days when weekly or monthly quantities are being given in the QTY segment. One DTM segment will be used to identify the ship/delivery date for past due and discrete quantities.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M	3X	2 = Deliver Date/Time 50 = Goods Receipt Date (used when the QTY segment contains the last ship quantity) 51 = Cumulative Qty Start Date (used when QTY segment contains the CUM receipts, FAB and RAW quantities) 52 = Cumulative Qty End Date
2380	Date/Time/Period	S	C	35X	This will be the date (YYYYMMDD format) to which the associated QTY segment pertains.
2379	Date/Time/Period Format Qualifier	S	C	3X	Will always be 102 to indicate that the date will be in YYYYMMDD format.

## Reference

Segment:	RFF - Reference
Level:	Detail (Segment Group 12)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to convey reference numbers pertaining to the line item.
Comments:	This segment will only be used if the last shipper number received is available from the <b>TRANS4M</b> RPS purchase order record.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	Will always be SI to indicate Shipper Identification
1154	Reference Number	S	C	35X	Will be the last shipper number received
1156	Line Number	S	C		Not Used
4000	Reference Version Number	D	C		Not Used

## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	Mandatory/Single Occurrence

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of Segments in the Message.	D	M	6N	Will be the sum total of the number of segments in the message
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DELJIT document.

## DESADV (Despatch Advice Message)

This section provides the Infor Automotive standard format and established data contents of a DESADV (Despatch Advice Message).

**Note:** DESADV elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
<i>Data Segment Sequence for the Header Level</i>				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
<a href="#">MEA</a>	Measurements	C	3	
	Segment Group 1	C	10	
<a href="#">RFF</a>	Reference	M	2	
	Segment Group 2	C	10	
<a href="#">NAD</a>	Name and Address	M	1	
<a href="#">TDT</a>	Details of Transport	M	1	
<i>Data Segment Sequence for the Detail Level</i>				
	Segment Group 10	C	9999	
<a href="#">CPS</a>	Consignment Packing Sequence	M	1	
	Segment Group 15	C	9999	
<a href="#">LIN</a>	Line Item	M	1	
<a href="#">PIA</a>	Additional Product ID	C	1	
<a href="#">IMD</a>	Item Description	C	25	
<a href="#">QTY</a>	Quantity	C	10	
<a href="#">RFF</a>	Reference	C	99	
	Segment Group 20	C	9999	
<a href="#">PCI</a>	Package Identification	M	1	
<a href="#">MEA</a>	Measurements	M	3	
<a href="#">QTY</a>	Quantity	M	1	
<i>Data Segment Sequence for the Summary Level</i>				
<a href="#">CNT</a>	Control Total	C	5	
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the Destination Advice Message is DESADV.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	Must be a unique number right-justified on a field of 8 zeros (e.g., 00012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be DESADV
0052	Message Version Number	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 97A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, coded	S	C	3X	Will always be 350 for Despatch Order
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
1000	Document Message/Name	S	C	35X	Will always be DESADV
1004	Document/Message Number	D	C	35X	This will be a unique 35-digit alphanumeric identifier assigned by the supplier at the time the DESADV message is generated.
1225	Message Function, coded	D	C	3X	Code indicates the function of the message. Possible values include:  5 = Replacement Document 9 = Original Transmission
4343	Response Type, coded	D	C		Will always be NA for No Acknowledgment Needed

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Heading
Max Use:	10
Segment Status:	
Purpose:	The DTM segment should be used to convey the message creation date as well as the shipment date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M		10 = Shipment Date 17 = Estimated Arrival Date 97 = Transaction Creation Date
2380	Date/Time/Period	S	C		Date pertaining to date qualifier (above)
2379	Date/Time/Period Format Qualifier	S	C		This value may be 102, 203, or 303. 102 is for YYYYMMDD format; 203 is for YYYYMMDDHHMM format; 303 is for YYYYMMDDHHMMZZZ format (where "ZZZ" is the time zone).

**Note:** If the format qualifier is 203, then the time (HHMM) is required in order to load the document successfully. If the format qualifier is 303, then the time zone is also required (i.e., HHMMZZZ).



## Measurements

Segment:	MEA - Measurements
Level:	Header
Max Use:	5
Segment Status:	
Purpose:	Used to specify physical measurements of shipment .
Comments:	<p>This segment should be used to convey the shipment and/or detail weights. It would also be used to communicate the number of freight pieces at the shipment and detail level.</p> <p>MEA+EGW++KG:100</p> <p>MEA+WT++KG:10</p> <p>MEA+AAU++EA:20 (header level)</p>

TAG	Name	Data Type	M/C	Format	Comments
6311	Measurement Purpose Qualifier	D	M		<p>EGW – Estimated gross weight</p> <p>WT – Tare weight</p> <p>AAU – Total freight pieces</p> <p>EGW – Estimated gross weight</p> <p><b>Note:</b> The estimated gross weight should be the total weight of the unit(s) being shipped, including the tare weight. The tare weight should reflect the total package weight of the units being shipped. Total freight pieces would be the total number of units being shipped. See note for tag 6314 for further clarification.</p>
C502	Measurement Details	C	C		Not Used
6313	Property Measured, coded	S	C		Not Used
6321	Measurement Significance, coded	S	C		Not Used
6155	Measurement Attribute Identification	S	C		Not Used
6154	Measurement Attribute	S	C		Not Used

C174	Value/Range	C	C		
6411	Measure Unit Qualifier	S	M	3X	<p>The unit of measure.</p> <p><b>Note:</b> If the value of tag 6311 is EGW or WT, this would be a weight unit of measure (i.e., LB, KG, etc...). If the value of tag 6311 is AAU, this would be a unit of measure that would relate to a number of freight pieces (i.e. EA, PC, etc...). Infor Automotive would expect to see this set to EA for each.</p>
6314	Measurement Value	S	C		<p>If tag 6311 is EGW, this value will be the gross weight. If the MEA segment is at the header level, this will be the gross weight of the entire shipment.</p> <p>If tag 6311 is WT, this value will be the tare weight. If the MEA segment is at the header level, this will be the tare weight for the entire shipment.</p> <p>If tag 6311 is AAU, this value will be the total freight pieces. If the MEA segment is at the header level, this will be the total freight pieces for the shipment.</p>
6162	Range Minimum	S	C		Not Used
6152	Range Maximum	S	C		Not Used
6432	Significant Digits	S	C		Not Used
7383	Surface/Layer Indicator, coded	D	C		Not Used

## Reference

Segment:	RFF - Reference
Level:	Header (Segment Group 1)
Max Use:	2
Purpose:	Used to convey the Bill of Lading and Packing Slip numbers.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	PK = Packing List Number BM = Bill of Lading Number
1154	Reference Number	S	C		If tag 1153 is BM, this will be the bill of lading number. If tag 1153 is PK, this will be the packing slip number.
1156	Line Number	S	C		Not Used
4000	Reference Version Number	S	C		Not Used

## Name and Address

Segment:	NAD - Name and Address
Level:	Header (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used in header to identify both the buying and selling parties.
Comments:	There must be two iterations of this segment: one each for the supplier ship-from and the buyer ship-to. The only required data element is tag 3039; however, other data element tags may be printed on reports and therefore should be sent where applicable (e.g., party name, address, city, etc.).

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	ST = Ship-to SF = Ship-from
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	If tag 3035 is ST, this will be the <b>TRANS4M</b> company code of the buyer ship-to location.  If tag 3035 is SF, this should be the RPS ship-from vendor code for the ship-from location.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		
3036	Party Name	S	M		

3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3042	Street and Number/PO Box	S	C	35X	Not Used
3164	City Name	D	C	35X	Not Used
3229	Country Sub-Entity Identification	D	C	9X	Not Used
3251	Postcode Identification	D	C	9X	Not Used
3207	Country, coded	D	C		Not Used

## Details of Transport

Segment:	TDT
Level:	Heading (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used to convey the carrier information pertaining to the shipment.
Comments:	TDT+20+12349AD+30++RDWY

TAG	Name	Data Type	M/C	Format	Comments
8051	Transport Stage Qualifier	D	M	3X	Must be 20 for Main Carriage Transport
8028	Conveyance Reference Number	D	C	17X	This will be the unique number assigned by the carrier to the shipment or carrier vehicle.
C220	Mode of Transport	C	C		
8067	Mode of Transport, coded	S	C	3X	EDIFACT code designating the mode of transport. Accepted values include: 20 = Rail Transport 30 = Road Transport 40 = Air Transport 60 = Multimodel Transport
8066	Mode of Transport	S	C	17X	Not Used
C228	Transport Means	C	C		
8179	Type of Means of Transport Identification	S	C		Not Used
8178	Type of Means of Transport	S	C		Not Used
C040	Carrier	C	C		
3127	Carrier Identification	S	C	17X	Code designating the carrier used to transport goods
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, coded	S	C		Not Used
3128	Carrier Name	S	C	37X	Not Used
8101	Transit Direction, coded	D	C		Not Used

C401	Excess Transportation Information	C	C		
8457	Excess Transportation Reason, coded	S	M		Not Used
8459	Excess Transportation Responsibility, coded	S	M		Not Used
7130	Customer Authorization Number	S	C		Not Used
C222	Transport Identification	C	C		
8213	ID Of Means of Transport Identification	S	C		Not Used
1131	Code List Qualifier	S	C		Not Used
3055	Code List Responsible Agency, coded	S	C		Not Used
8212	ID of Means of Transport	S	C		Not Used
8453	Nationality of Means of Transport	S	C		Not Used
8281	Transport Ownership, coded	D	C		Not Used

## Consignment Packing Sequence

Segment:	CPS - Consignment Packing Sequence
Level:	Detail (Segment Group 10)
Max Use:	1
Segment Status:	
Purpose:	Segment is used to define a hierarchical structure to convey packaging information.
Comments:	No packaging information need be conveyed. This segment is only included to ensure conformity with EDIFACT standards

TAG	Name	Data Type	M/C	Format	Comments
7164	Hierarchical ID Number	D	M	12X	Because there will only be one hierarchical level, this value should always be 1.
7166	Hierarchical Parent ID	D	C		Not Used
7075	Packaging Level, coded	D	C		Not Used



## Line Item

Segment:	LIN - Line Item
Level:	Detail (Segment Group 15)
Max Use:	1
Segment Status:	
Purpose:	To convey line item data such as buyer part number and to indicate the start of the LIN loop.

TAG	Name	Data Type	M/C	Format	Comments
1082	Line Item Number	D	C	6N	Unique sequential number for each line item in the DESADV message.
1229	Action Request/Notification, coded	D	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	
7143	Item Number Type, coded	S	C	3X	Should be the Buyer's Part Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C829	Sub-Line Information	C	C		
5495	Sub-Line Indicator, coded	S	C	3X	Not Used
1082	Line Item Number	S	C	6N	Not Used
1222	Configuration Level	D	C	2N	Not Used
7083	Configuration, coded	D	C	3X	Not Used

## Additional Product ID

Segment:	PIA - Additional Product ID
Level:	Detail (Segment Group 15)
Max Use:	1
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
4347	Product ID Function Qualifier	D	M	3X	Will always be 1 for Additional Identification
C212	Item Number Identification	C	M		
7140	Item Number	S	C	35X	Should be the Buyer's Purchase Order Number
7143	Item Number Type, coded	S	C	3X	Should always be PO for Purchase Order Number
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C		
7140	Item Number	S	C	35X	If desired, this should be the Vendor's Part Number
7143	Item Number Type, coded	S	C	3X	If the vendor part is sent in tag 7140, this should be VP for Vendor Part Number.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number	C	C	3X	Not Used

	Identification				
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C212	Item Number Identification	C	C	3X	Not Used
7140	Item Number	S	C	3X	Not Used
7143	Item Number Type, coded	S	C	3X	Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used

## Item Description

Segment:	IMD - Item Description
Level:	Detail (Segment Group 15)
Max Use:	25
Segment Status:	
Purpose:	Used to describe the product being dispatched.
Comments:	This is an optional segment which the supplier may send; it is not loaded in RPS. <b>TRANS4M</b> will not be loaded if preset data on this segment will be included on any report of the EDI data.

TAG	Name	Data Type	M/C	Format	Comments
7077	Item Description Type, coded	D	C	3X	Should always be A for Freeform Long Description
7081	Item Characteristic, coded	D	C	3X	Should always be 8 for Product
C273	Item Description	C	C		
7009	Item Description Identification	S	C		Not Used
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
7008	Item Description	S	C	35X	Should be the Seller's Part Description
7008	Item Description	S	C	35X	Not Used
3453	Language, coded	S	C	3X	Not Used
7383	Surface/Layer Indicator, coded	D	C	3X	Not Used

## Quantity

Segment:	QTY
Level:	Detail (Segment Group 15)
Max Use:	10
Segment Status:	
Purpose:	Used to convey quantities associated with the parts being shipped.
Comments:	Two iterations of this segment must be used: one for the discrete quantity being shipped for the line item, and one for the cumulative quantity (including this shipment) shipped against the purchase order.

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M	3X	1 = Discrete 3 = Cumulative
6060	Quantity	S	M	15N	If tag 6063 is 1, this must be the quantity being shipped for the line item.  If tag 6063 is 3, this must be the cumulative quantity shipped against the line item P/O, including this shipment.
6411	Measure Unit Qualifier	S	C	3X	Must be the unit of measure in which the line item is shipped.

## Reference

Segment:	RFF - Reference Number
Level:	Detail (Segment Group 15)
Max Use:	99
Purpose:	Used to convey the Delivery Order Number.

TAG	Name	Data Type	M/C	Format	Comments
C506	Reference	C	M		
1153	Reference Qualifier	S	M	3X	AAJ = Delivery Order Number
1154	Reference Number	S	C		If tag 1153 = "AAJ," this will be the pull signal number.
1156	Line Number	S	C		If tag 1153 = "AAJ," this will be the quantity for the pull signal.
4000	Reference Version Number	S	C		Not Used

## Package Identification

Segment:	PCI
Level:	Detail (Segment group 20)
Max Use:	1
Segment Status:	
Purpose:	Used to convey container serial number.
Comments:	When communicating container information, there would be one PCI loop for each container. PCI+24+12345

TAG	Name	Data Type	M/C	Format	Comments
4233	Marking instructions, coded	D	C		24 – Shipper assigned. Markings to identify a shipment package or carton as assigned by shipper.
C210	Marks and labels	C	C		
7102	Shipping marks	S	M		Serial number
7102	Shipping marks	S	C		Not used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
7102	Shipping marks	S	C		Not Used
8275	Container/package status, coded	D	C		Not Used
C827	Type of Marking	C	C		Not Used
7511	Type of marking, coded	S	M		Not Used
1131	Code list qualifier	S	C		Not Used
3055	Code list responsible agency, coded	S	C		Not Used

## Measurements

Segment:	MEA - Measurements
Level:	Detail
Max Use:	3
Segment Status:	
Purpose:	Used to specify physical measurements of the container weights.
Comments:	This segment should be used to convey the detail weights. MEA+EGW++KG:100 MEA+WT++KG:10

TAG	Name	Data Type	M/C	Format	Comments
6311	Measurement Purpose Qualifier	D	M		EGW – Estimated gross weight WT – Tare weight  <b>Note:</b> The estimated gross weight should be the total weight of the unit(s) being shipped, including the tare weight. The tare weight should reflect the total package weight of the unit(s) being shipped. See note for tag 6314 for further clarification.
C502	Measurement Details	C	C		Not Used
6313	Property Measured, coded	S	C		Not Used
6321	Measurement Significance, coded	S	C		Not Used
6155	Measurement Attribute Identification	S	C		Not Used
6154	Measurement Attribute	S	C		Not Used
C174	Value/Range	C	C		
6411	Measure Unit Qualifier	S	M	3X	The unit of measure.  <b>Note:</b> If the value of tag 6311 is EGW or WT, this would be a weight unit of measure (i.e., LB, KG, etc...).
6314	Measurement Value	S	C		If tag 6311 is EGW, this value will be the



					gross weight. If the MEA segment is at the detail level, this will be the gross weight of a specific container.  If tag 6311 is WT, this value will be the tare weight. If the MEA segment is at the detail level, this will be the tare weight of a specific container.
6162	Range Minimum	S	C		Not Used
6152	Range Maximum	S	C		Not Used
6432	Significant Digits	S	C		Not Used
7383	Surface/Layer Indicator, coded	D	C		Not Used

## Quantity

Segment:	QTY
Level:	Detail (Segment group 20)
Max Use:	1
Segment Status:	
Purpose:	Used to convey quantity within an individual container.
Comments:	For each PCI segment there would be a corresponding QTY segment that will convey the total number of pieces in that container.  QTY+52:25

TAG	Name	Data Type	M/C	Format	Comments
C186	Quantity Details	C	M		
6063	Quantity Qualifier	S	M		52 – Quantity per pack. Self explanatory.
6060	Quantity	S	M		Quantity in container.
6411	Measure Unit Qualifier	S	C		The unit of measure for the line item shipped.

## Control Total

Segment:	CNT - Control Total
Level:	Summary
Max Use:	5
Segment Status:	
Purpose:	To provide control data pertaining to the DESADV message.

TAG	Name	Data Type	M/C	Format	Comments
C270	Control	C	M		
6069	Control Qualifier	S	M	3X	Will always be 2 to indicate Number of Line Items in Message
6066	Control Value	S	M	18N	This will be the sum total of all the line items (LIN segments) in the DESADV message.
6411	Measure Unit Qualifier	S	C		Not Used

## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of segments in the message	D	M	6N	This will be the sum total of the number of segments in the message.
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the DESADV document.

## GENRAL (General Purpose Message)

This section provides the Infor Automotive standard format and established data contents of a GENRAL (General Purpose Message).

**Note:** GENRAL elements which are not used by the TRANS4M system are not listed in this document.

Seg. ID	Name	Seg. Type	Max. Use	Segment Group
Data Segment Sequence for the Header Level				
<a href="#">UNH</a>	Message Header	M	1	
<a href="#">BGM</a>	Beginning of Message	M	1	
<a href="#">DTM</a>	Date/Time/Period	M	10	
	Segment Group 2	C	20	2
<a href="#">NAD</a>	Name and Address	M	1	2
	Segment Group 4	C	9999	4, 2
<a href="#">CTA</a>	Contact Information	M	1	4, 2
<a href="#">COM</a>	Communication Contact	C	1	4, 2
Data Segment Sequence for the Detail Level				
	Segment Group 5	C	100	5
<a href="#">FTX</a>	Free Text	M	1	5
	Segment Group 6	C	100	6, 5
<a href="#">NAD</a>	Name and Address	M	1	6, 5
Data Segment Sequence for the Summary Level				
<a href="#">UNT</a>	Message Trailer	M	1	

## Message Header

Segment:	UNH - Message Header
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	A service segment starting and uniquely identifying a message. The message type code for the General Purpose Message is GENRAL.

TAG	Name	Data Type	M/C	Format	Comments
0062	Message Reference Number	D	M	14X	Must be a unique number right-justified on a field of 8 zeros (e.g., 00012345).
S009	Message Identifier	C	M		
0065	Message Type	S	M	6X	Will always be GENRAL
0052	Message Version Number	S	M	3X	Will always be D
0054	Message Release Number	S	M	3X	Will always be 97A
0051	Controlling Agency	S	M	2X	Will always be UN

## Beginning of Message

Segment:	BGM - Beginning of Message
Level:	Header
Max Use:	1
Segment Status:	
Purpose:	To indicate the type and function of a message and to transmit the identifying number.

TAG	Name	Data Type	M/C	Format	Comments
C002	Document/Message Name	C	C	5N	
1001	Document/Message Name, coded	S	C	3X	Will always be 10 for Party Information
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
1000	Document/Message Name	S	C	35X	Will always be GENRAL
1004	Document/Message Number	D	C	35X	Not Used
1225	Message Function, coded	D	C	3X	Not Used
4343	Response Type, coded	D	C		Not Used

## Date/Time/Period

Segment:	DTM - Date/Time/Period
Level:	Header
Max Use:	10
Segment Status:	
Purpose:	The DTM segment should be used to convey the message creation date as well as the shipment date.

TAG	Name	Data Type	M/C	Format	Comments
C507	Date/Time/Period	C	M		
2005	Date/Time/Period Qualifier	S	M		137 = Document/Message Date/ Time
2380	Date/Time/Period	S	C		Date pertaining to date qualifier (above)
2379	Date/Time/Period Format Qualifier	S	C		Will always be 102 to indicate that the date is in YYYYMMDD format



## Name and Address

Segment:	NAD - Name and Address
Level:	Header (Segment Group 2)
Max Use:	1
Segment Status:	
Purpose:	Used in header to identify the sending party.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	FR = Message From
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> company code from which the GENRAL was generated.
1131	Code List Qualifier	S	C	3X	Not Used
3055	Code List Responsible Agency, coded	S	C	3X	Not Used
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	The TRANS4M Company Name
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
3124	Name and Address Line	S	C	35X	Not Used
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, coded	S	C		
C059	Street	C	C		
3042	Street and	S	M	35X	This will be the TRANS4M Company

	Number/PO Box				Address Line 1
3042	Street and Number/PO Box	S	C	35X	This will be the TRANS4M Company Address Line 2
3042	Street and Number/PO Box	S	C	35X	This will be the TRANS4M Company Address Line 3
3042	Street and Number/PO Box	S	C	35X	This will be the TRANS4M Company Address Line 4
3164	City Name	D	C	35X	Not Used
3229	Country Sub-Entity Identification	D	C	9X	Not Used
3251	Postcode Identification	D	C	9X	Not Used
3207	Country, Coded	D	C		Not Used

## Contact Information

Segment:	CTA - Contact Information
Level:	Header (Segment Group 4)
Max Use:	1
Segment Status:	Optional/Single Occurrence
Purpose:	Used to identify the person, function, department to whom communication should be directed.

TAG	Name	Data Type	M/C	Format	Comments
3139	Contact Function, Coded	D	C	3X	Will always be AH to indicate Coordination Contact
C056	Department or Employee Details	C	C		
3413	Department or Employee Identification	S	C	17X	Will always be MATERIAL MANAGER

## Communication Contact

Segment:	COM - Communication Contact
Level:	Header (Segment Group 4)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	Used in detail to convey the phone number pertaining to the contact information.

TAG	Name	Data Type	M/C	Format	Comments
C076	Communication Contact	C	M		
3148	Communication Number	S	M	10X	This will be the <b>TRANS4M</b> company phone number.
3155	Communication Channel Qualifier	S	M	3X	Will always be TE to indicate Telephone Number

## Free Text

Segment:	FTX - Free Text
Level:	Detail (Segment Group 5)
Max Use:	1
Segment Status:	Optional/Multiple Occurrences
Purpose:	Free form text message to supplier from buyer.
Comments:	May be repeated multiple times, depending on how many lines are contained in the stored message(s) being sent.

TAG	Name	Data Type	M/C	Format	Comments
4451	Text Subject Qualifier	D	M	3X	Will always be AAI to indicate General Information
4453	Text Function, Coded	D	M	3X	Will always be 3 to indicate Text for immediate use. The occurrence of this text does not affect message processing.
C107	Text Reference	C	C		Not Used
4441	Free Text Identification	S	M	17X	Text Document Key
1131	Code List Qualifier	S	C	3N	100 = Enhanced Party Identification
3055	Code List Responsible Agency, Coded	S	C	3N	86 = Assigned by Party Originating the Message
C108	Text Literal	C	C		
4440	Free Text	S	M	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor
4440	Free Text	S	C	70X	Freeform Message for Vendor

## Name and Address

Segment:	NAD - Name and Address
Level:	Detail (Segment Group 6)
Max Use:	1
Segment Status:	Mandatory/Single Occurrence
Purpose:	The name and address field in the detail section is used to identify the name of the party to whom the text should be distributed.

TAG	Name	Data Type	M/C	Format	Comments
3035	Party Qualifier	D	M	3X	Will always be MR to indicate Message Recipient
C082	Party Identification Details	C	C		
3039	Party ID Identification	S	M	35X	This will be the <b>TRANS4M</b> supplier code for which the GENRAL was generated.
1131	Code List Qualifier	S	C	3X	100 = Enhanced Party Identification
3055	Code List Responsible Agency, Coded	S	C	3X	86 = Assigned by party originating the message
C058	Name and Address	C	C		
3124	Name and Address Line	S	M	35X	This will be the <b>TRANS4M</b> supplier.
C080	Party Name	C	C		
3036	Party Name	S	M		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3036	Party Name	S	C		
3045	Party Name Format, Coded	S	C		
C059	Street	C	C		
3042	Street and Number/PO Box	S	M		Not Used
3164	City Name	D	C	35X	Not Used
3229	Country Sub-Entity Identification	D	C	9X	Not Used
3251	Postcode Identification	D	C	9X	Not Used

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3207	Country, Coded	D	C		Not Used
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## Message Trailer

Segment:	UNT - Message Trailer
Level:	Summary
Max Use:	1
Segment Status:	
Purpose:	

TAG	Name	Data Type	M/C	Format	Comments
0074	Number of segments in the message	D	M	6N	This will be the sum total of the number of segments in the message.
0062	Message Reference Number	D	M	14X	This will be the same message reference number as stored in the associated UNH segment for the GENRAL document.