Functional information for outbound Advance Ship Notice (ASN)
EDIFACT - DESADV
ANSI X12 - 856

Micron has created a standard electronic Advance Ship Notice (ASN) document format. This standard format includes specific details from the purchase order that was received by the Micron SAP system, as well as shipping specific data. The use of this standardized format will allow faster implementations with our customers, and a more accurate exchange of data between our systems. Above and beyond the standard from the original order (PO number, material, order quantity, ship date, price), Micron also includes the following in our ASN transmissions:

Shipment ID: This will include a unique shipment identifier (Delivery Note Number) for each shipment included in the transmission.

Ship Date: The Ship date is the date that the product physically left a Micron facility.

Reference Numbers: Additional reference numbers (Waybill Number, Bill of Lading Number, Packing List Number, etc.) can be included in the transmission if required.

Name and address information (Ship-From, Ship-to: The Ship-From and Ship-to information will reference the Ship-From and ship-to data that were on the delivery at the time of shipment.

Carrier Details: Indicates the shipping method and carrier information for the shipment.

Packing information: The ASN will include a structured Order, Shipment, Pack and Item layout that will indicate how the product was packaged, including showing inner and outer container information.

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
M	010	ST	Transaction Set Header	M	1	
M	020	BSN	Beginning Segment for Ship Notice	M	1	
	040	DTM	Date/Time Reference	O	10	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
			LOOP ID - HL			200000
M	010	HL	Hierarchical Level	M	1	
	020	LIN	Item Identification	O	1	
	030	SN1	Item Detail (Shipment)	O	1	
	050	PRF	Purchase Order Reference	O	1	
	060	PO4	Item Physical Details	O	1	
	110	TD1	Carrier Details (Quantity and Weight)	O	20	
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
	150	REF	Reference Identification	O	>1	
			LOOP ID - N1			200
	220	N1	Name	O	1	
	240	N3	Address Information	O	2	
	250	N4	Geographic Location	O	1	

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat

| | 010 | CTT | Transaction Totals | O | 1 |
| M | 020 | SE | Transaction Set Trailer | M | 1 |

Segment: ## ST **Transaction Set Header**

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Business Rules:	Variable Name: STST

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3

Code uniquely identifying a Transaction Set

    856   Ship Notice/Manifest

	Ref. Des.	Data Element	Name	Attributes	
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

	Ref.	**Data**		
	Des.	**Element**	**Name**	**Attributes**

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**
M	BSN01	353	**Transaction Set Purpose Code**	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
M	BSN02	396	**Shipment Identification**	M AN 2/30
			A unique control number assigned by the original shipper to identify a specific shipment	
M	BSN03	373	**Date**	M DT 8/8
			Date expressed as CCYYMMDD	
M	BSN04	337	**Time**	M TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**

Segment: **DTM** Date/Time Reference

Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3

Code specifying type of date or time, or both date and time

011 Shipped

	DTM02	373	**Date**	X DT 8/8

Date expressed as CCYYMMDD

	DTM03	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: # HL Hierarchical Level
Position: 010
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

<div align="center">

Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	**Hierarchical ID Number**	M AN 1/12

A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

	HL02	734	**Hierarchical Parent ID Number**	O AN 1/12

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

M	HL03	735	**Hierarchical Level Code**	M ID 1/2

Code defining the characteristic of a level in a hierarchical structure

I		Item
O		Order
P		Pack
S		Shipment

	HL04	736	**Hierarchical Child Code**	O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described

0		No Subordinate HL Segment in This Hierarchical Structure.
1		Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment: **LIN** Item Identification

Position: 020
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	LIN01	**350**	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
M	**LIN02**	**235**	**Product/Service ID Qualifier**	**M**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VP Vendor's (Seller's) Part Number		
M	**LIN03**	**234**	**Product/Service ID**	**M**	**AN 1/48**
			Identifying number for a product or service		
	LIN04	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
	LIN05	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	LIN06	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
	LIN07	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		

Segment: $SN1$ **Item Detail (Shipment)**

Position:	030
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify line-item detail relative to shipment

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	SN101	350	**Assigned Identification**	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
M	SN102	382	**Number of Units Shipped**	M R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
M	SN103	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			EA Each	

Segment: # PRF Purchase Order Reference

Position: 050
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PRF01	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
	PRF04	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
	PRF07	92	**Purchase Order Type Code**	O	ID 2/2
			Code specifying the type of Purchase Order		
			BY Buying		

Segment: **PO4** Item Physical Details
Position: 060
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO401	356	**Pack**	O N0 1/6

The number of inner containers, or number of eaches if there are no inner containers, per outer container

| PO403 | 355 | **Unit or Basis for Measurement Code** | X   ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

KG   Kilogram
LB   Pound

| PO405 | 187 | **Weight Qualifier** | O   ID 1/2 |

Code defining the type of weight

G   Gross Weight

| PO406 | 384 | **Gross Weight per Pack** | X   R 1/9 |

Numeric value of gross weight per pack

| PO407 | 355 | **Unit or Basis for Measurement Code** | X   ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

KG   Kilogram
LB   Pound

Segment: # TD1 Carrier Details (Quantity and Weight)

Position: 110
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD101	**103**	**Packaging Code**	**O AN 3/5**

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

    CTN   Carton

Ref. Des.	Data Element	Name	Attributes
TD102	**80**	**Lading Quantity**	**X N0 1/7**

Number of units (pieces) of the lading commodity

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**

Position: 120
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD501	133	**Routing Sequence Code**	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	**Identification Code Qualifier**	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		2 Standard Carrier Alpha Code (SCAC)	
TD503	67	**Identification Code**	X AN 2/80
		Code identifying a party or other code	
TD504	91	**Transportation Method/Type Code**	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		A Air	
		M Motor (Common Carrier)	
		ZZ Mutually defined	
TD505	387	**Routing**	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment: # REF Reference Identification

Position:	150
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

AW	Air Waybill Number
BM	Bill of Lading Number
DO	Delivery Order Number
LS	Bar-Coded Serial Number
PK	Packing List Number

	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

Segment: **N1** Name
Position: 220
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

SF	Ship From
ST	Ship To

	Ref. Des.	Data Element	Name	Attributes	
	N102	93	**Name**	X	**AN 1/60**

Free-form name

	Ref. Des.	Data Element	Name	Attributes	
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

	Ref. Des.	Data Element	Name	Attributes	
	N104	67	**Identification Code**	X	**AN 2/80**

Code identifying a party or other code

Segment: **N3** Address Information

Position: 240
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment: **N4** **Geographic Location**

Position: 250
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name**	**O**	**AN 2/30**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/3**
		Code identifying the country		

Segment: # CTT Transaction Totals

Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
	CTT02	347	**Hash Total**	O	R 1/10

Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.

Example:

-.0018 First occurrence of value being hashed.

.18 Second occurrence of value being hashed.

1.8 Third occurrence of value being hashed.

18.01 Fourth occurrence of value being hashed.

1855 Hash total prior to truncation.
855 Hash total after truncation to three-digit field.

Segment: **SE** **Transaction Set Trailer**

Position:	020
Loop:	
Level:	Summary
Usage:	Mandatory
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)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10

Total number of segments included in a transaction set including ST and SE segments

M	SE02	329	**Transaction Set Control Number**	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

DESADV Despatch Advice Message

Introduction:

A message specifying details for goods despatched or ready for despatch under agreed conditions.
The United Nations Despatch Advice Message serves both as a specification for Delivery Despatch Advice and also as a Returns Despatch Advice message. Throughout this document, the reference to 'Despatch Advice' may be interpreted as conveying the wider meaning of 'Delivery Despatch Advice/Returns Despatch Advice'.

Heading Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat
M	0010	UNH	Message Header	M	1	
M	0020	BGM	Beginning of Message	M	1	
	0030	DTM	Date/Time/Period	C	10	
	0070		Segment Group 1: RFF	C		10
M	0080	RFF	Reference	M	1	
	0100		Segment Group 2: NAD	C		10
M	0110	NAD	Name and Address	M	1	

Detail Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat
	0370		Segment Group 10: CPS-SG15	C		9999
M	0380	CPS	Consignment Packing Sequence	M	1	
	0550		Segment Group 15: LIN-PIA-QTY-SG16	C		9999
M	0560	LIN	Line Item	M	1	
	0570	PIA	Additional Product Id	C	10	
	0600	QTY	Quantity	C	10	
	0710		Segment Group 16: RFF	C		99
M	0720	RFF	Reference	M	1	

Summary Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat
M	1040	UNT	Message Trailer	M	1	

Segment:	**UNH** Message Header			
Position:	0010			
Group:				
Level:	0			
Usage:	Mandatory			
Max Use:	1			

Segment: **UNH** Message Header

Position: 0010

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.
Note: Despatch advice messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element 0065 DESADV   0052 D   0054 97A   0051 UN

Business Rules: Variable Name: UNH1

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	0062		**MESSAGE REFERENCE NUMBER**	M an..14
			Unique message reference assigned by the sender.	
M	S009		**MESSAGE IDENTIFIER**	M
			Identification of the type, version etc. of the message being interchanged.	
M		0065	**Message type identifier**	M an..6
			Code identifying a type of message and assigned by its controlling agency.	
			DESADV Despatch advice message	
			A code to identify the despatch advice message.	
M		0052	**Message type version number**	M an..3
			Version number of a message type.	
			D Draft version/UN/EDIFACT Directory	
			Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	
M		0054	**Message type release number**	M an..3
			Release number within the current message type version number (0052).	
			97A Release 1997 - A	
			Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).	
M		0051	**Controlling agency**	M an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
			UN UN/ECE/TRADE/WP.4	

United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).

Segment: **BGM** Beginning of Message

Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment for unique identification of the Despatch Advice document, by means of its name and its number.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C002		DOCUMENT/MESSAGE NAME	C	

Identification of a type of document/message by code or name. Code preferred.

| | 1001 | Document/message name, coded | C | an..3 |

Document/message identifier expressed in code.

| | | 351 | Despatch advice | |

Document/message by means of which the seller or consignor informs the consignee about the despatch of goods.

| C106 | | DOCUMENT/MESSAGE IDENTIFICATION | C | |

Identification of a document/message by its number and eventually its version or revision.

| | 1004 | Document/message number | C | an..35 |

Reference number assigned to the document/message by the issuer.

| 1225 | | MESSAGE FUNCTION, CODED | C | an..3 |

Code indicating the function of the message.

| | | 9 | Original | |

Initial transmission related to a given transaction.

Segment: **DTM** Date/Time/Period

Position: 0030
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

Data Element Summary

Data Element	Component Element	Name	Attributes	
M C507		**DATE/TIME/PERIOD**	**M**	

Date and/or time, or period relevant to the specified date/time/period type.

M	2005	**Date/time/period qualifier**	**M**	**an..3**

Code giving specific meaning to a date, time or period.

11	Despatch date and or time

(2170) Date/time on which the goods are or are expected to be despatched or shipped.

	2380	**Date/time/period**	**C**	**an..35**

The value of a date, a date and time, a time or of a period in a specified representation.

	2379	**Date/time/period format qualifier**	**C**	**an..3**

Specification of the representation of a date, a date and time or of a period.

102	CCYYMMDD

Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

	Group:	**RFF** Segment Group 1: Reference

Group: **RFF** Segment Group 1: Reference

Position: 0070

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 10

Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

Segment Summary

	Pos. No.	Seg. ID	Name		Req. Des.	Max. Use	Group: Repeat
M	0080	RFF	Reference		M	1	

	Segment:	**RFF** Reference

Segment: **RFF** Reference

Position: 0080 (Trigger Segment)
Group: Segment Group 1 (Reference)   Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C506		REFERENCE	M	
			Identification of a reference.		
M		1153	Reference qualifier	M	an..3
			Code giving specific meaning to a reference segment or a reference number.		
			AWB Air waybill number		
			Reference number assigned to an air waybill, see: 1001 = 740.		
		1154	Reference number	C	an..35
			Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.		

	Group:	**NAD** Segment Group 2: Name and Address			

Group: **NAD** Segment Group 2: Name and Address

Position: 0100
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0110	NAD	Name and Address	M	1	

	Data	**Component**			
Segment:			**NAD** Name and Address		

Segment: NAD Name and Address

Position: 0110 (Trigger Segment)
Group: Segment Group 2 (Name and Address)   Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.
It is recommended that where possible, only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

Data Element Summary

	Data Element	**Component Element**	**Name**	**Attributes**	
M	3035		PARTY QUALIFIER	M	an..3

Code giving specific meaning to a party.

	SF	Ship from	
		Identification of the party from where goods will be or have been shipped.	
	ST	Ship to	
		Identification of the party to where goods will be or have been shipped.	
	SU	Supplier	
		(3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.	
	UD	Ultimate customer	
		The final recipient of goods.	

	Data Element	**Component Element**	**Name**	**Attributes**	
	C082		PARTY IDENTIFICATION DETAILS	C	

Identification of a transaction party by code.

	Data Element	**Component Element**	**Name**	**Attributes**	
M		3039	Party id. identification	M	an..35

Code identifying a party involved in a transaction.

		3055	Code list responsible agency, coded	C	an..3

Code identifying the agency responsible for a code list.

	91	Assigned by seller or seller's agent	
	92	Assigned by buyer or buyer's agent	

	C080		PARTY NAME	C	

Identification of a transaction party by name, one to five lines. Party name may be formatted.

		3036	Party name	M	an..35

Name of a party involved in a transaction.

3164	**CITY NAME**	**C**	**an..35**

Name of a city (a town, a village) for addressing purposes.

3251	**POSTCODE IDENTIFICATION**	**C**	**an..9**

Code defining postal zones or addresses.

3207	**COUNTRY, CODED**	**C**	**an..3**

Identification of the name of a country or other geographical entity as specified in ISO 3166.

Group: **CPS** Segment Group 10: Consignment Packing Sequence

Position: 0370

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 9999

Purpose: A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0380	CPS	Consignment Packing Sequence	M	1	
	0550		Segment Group 15: Line Item	C		9999

Segment: # CPS Consignment Packing Sequence

Position:	0380 (Trigger Segment)	
Group:	Segment Group 10 (Consignment Packing Sequence)	Conditional (Optional)
Level:	1	
Usage:	Mandatory	
Max Use:	1	
Purpose:	A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.	

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	7164		**HIERARCHICAL ID. NUMBER**	M an..12

A unique number assigned by the sender to identify a level within a hierarchical structure.

Group: **LIN** Segment Group 15: Line Item

Position: 0550
Group: Segment Group 10 (Consignment Packing Sequence)   Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments providing details of the individual despatched items.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0560	LIN	Line Item	M	1	
	0570	PIA	Additional Product Id	C	10	
	0600	QTY	Quantity	C	10	
	0710		Segment Group 16: Reference	C		99

Segment:	**LIN** Line Item
Position:	0560 (Trigger Segment)
Group:	Segment Group 15 (Line Item) Conditional (Optional)
Level:	2
Usage:	Mandatory
Max Use:	1
Purpose:	A segment identifying the product being despatched.
	All other segments in the detail section following the LIN segment refer to that line item.

Data Element Summary

Data Element	Component Element	Name	Attributes
1082		**LINE ITEM NUMBER**	C an..6
		Serial number designating each separate item within a series of articles.	
C212		**ITEM NUMBER IDENTIFICATION**	C
		Goods identification for a specified source.	
	7140	**Item number**	C an..35
		A number allocated to a group or item.	
	7143	**Item number type, coded**	C an..3
		Identification of the type of item number.	
		BP Buyer's part number	
		Reference number assigned by the buyer to identify an article.	
	3055	**Code list responsible agency, coded**	C an..3
		Code identifying the agency responsible for a code list.	
		92 Assigned by buyer or buyer's agent	

Segment:	**PIA** Additional Product Id

Position: 0570
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	4347		**PRODUCT ID. FUNCTION QUALIFIER**	M	an..3
			Indication of the function of the product code.		
		1	Additional identification		
			Information which specifies and qualifies product identifications.		
M	C212		**ITEM NUMBER IDENTIFICATION**	M	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
		VP	Vendor's (seller's) part number		
			Reference number assigned by a vendor/seller identifying an article.		
		3055	**Code list responsible agency, coded**	C	an..3
			Code identifying the agency responsible for a code list.		
		91	Assigned by seller or seller's agent		

Segment: # QTY Quantity

Position: 0600
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	C186		**QUANTITY DETAILS**	**M**	
			Quantity information in a transaction, qualified when relevant.		
M		6063	**Quantity qualifier**	**M**	**an..3**
			Code giving specific meaning to a quantity.		
			12 Despatch quantity		
			Quantity despatched by the seller.		
M		6060	**Quantity**	**M**	**n..15**
			Numeric value of a quantity.		
		6411	**Measure unit qualifier**	**C**	**an..3**
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.		
			EA Each		

Group: **RFF** Segment Group 16: Reference

Position:	0710
Group:	Segment Group 15 (Line Item) Conditional (Optional)
Level:	3
Usage:	Conditional (Optional)
Max Use:	99
Purpose:	A group of segments to give reference numbers and dates.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0720	RFF	Reference	M	1	

Segment: **RFF** Reference

Position: 0720 (Trigger Segment)
Group: Segment Group 16 (Reference)   Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying documents related to the line item.

Data Element Summary

	Data Element	Component Element	Name		Attributes
M	C506		**REFERENCE**		**M**
			Identification of a reference.		
M		1153	**Reference qualifier**		**M an..3**

Code giving specific meaning to a reference segment or a reference number.

BM	Bill of lading number	

Reference number assigned to a bill of lading, see: 1001 = 705.

SE	Serial number	

Identification number of an item which distinguishes this specific item out of an number of identical items.

ZZZ	Mutually defined reference number	

Number based on party agreement.

		1154	**Reference number**		C an..35

Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.

		1156	**Line number**		C an..6

Number of the line in the document/message referenced in 1154 Reference number.

Segment: UNT Message Trailer

Position: 1040
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	0074		**NUMBER OF SEGMENTS IN A MESSAGE**	M	n..6
			Control count of number of segments in a message.		
M	0062		**MESSAGE REFERENCE NUMBER**	M	an..14
			Unique message reference assigned by the sender.		