

# DESADV Despatch advice message

## Header

OCEAN REQ. DES.	PAGE #	SEG. ID	NAME	EDIFACT REQ. DES.	MAX USE	GROUP REPEAT
M	220	UNH	Message header	M	1	
M	222	BGM	Beginning of message	M	1	
C	224	DTM	Date/time/period	C	10	
X		ALI	Additional information	C	5	
X		MEA	Measurements	C	5	
X		MOA	Monetary amount	C	5	
C		<b>SEGMENT GROUP - 1 - RFF</b>			C	10
M	226	RFF	Reference	M	1	
C	229	DTM	Date/time/period	C	1	
C		<b>SEGMENT GROUP - 2 - NAD</b>			C	10
M	231	NAD	Name and address	M	1	
M	234	LOC	Place/location identification	C	10	
X		<b>SEGMENT GROUP - 3 - NAD/RFF</b>			C	10
X		RFF	Reference	M	1	
X		DTM	Date/time/period	C	1	
X		<b>SEGMENT GROUP - 4 - NAD/CTA</b>			C	10
X		CTA	Contact information	M	1	
X		COM	Communication contact	C	5	
X		<b>SEGMENT GROUP - 5 - TOD</b>			C	10
X		TOD	Terms of delivery or transport	M	1	
X		LOC	Place/location identification	C	5	
X		FTX	Free text	C	5	
A		<b>SEGMENT GROUP - 6 - TDT</b>			C	10
A	236	TDT	Details of transport	M	1	
X		PCD	Percentage details	C	6	
X		<b>SEGMENT GROUP - 7 - TDT/LOC</b>			C	10
X		LOC	Place/location identification	M	1	
X		DTM	Date/time/period	C	10	
M		<b>SEGMENT GROUP - 8 - EQD</b>			C	10
M	238	EQD	Equipment details	M	1	
X		MEA	Measurements	C	5	
X		SEL	Seal number	C	25	
X		EQA	Attached equipment	C	5	
X		<b>SEGMENT GROUP - 9 - EQD/HAN</b>			C	10
X		HAN	Handling instructions	M	1	
X		FTX	Free text	C	10	

## Detail

OCEAN REQ. DES.	PAGE #	SEG. ID	NAME	EDIFACT REQ. DES.	MAX USE	GROUP REPEAT
C		<b>SEGMENT GROUP - 10 - CPS</b>			C	9999
M	240	CPS	Consignment packing sequence	M	1	

A = ADVISED C = CONDITIONAL M = MANDATORY X = NOT USED Z = NOT RECOMMENDED

X	FTX	Free text	C	5	
<b>C</b>		<b>SEGMENT GROUP - 11 - CPS/PAC</b>	<b>C</b>		<b>9999</b>
<b>M 241</b>	<b>PAC</b>	Package	<b>M</b>	<b>1</b>	
<b>C 243</b>	<b>MEA</b>	Measurements	<b>C</b>	<b>10</b>	
X	QTY	Quantity	C	10	
X		<b>SEGMENT GROUP - 12 - CPS/PAC/HAN</b>	C		10
X	HAN	Handling instructions	M	1	
X	FTX	Free text	C	10	
X		<b>SEGMENT GROUP - 13 - CPS/PAC/PCI</b>	C		1000
X	PCI	Package identification	M	1	
X	RFF	Reference	C	1	
X	DTM	Date/time/period	C	5	
X	GIR	Related identification numbers	C	10	
X		<b>SEGMENT GROUP - 14 - CPS/PAC/PCI/GIN</b>	C		99
X	GIN	Goods identity number	M	1	
X	DLM	Delivery limitations	C	10	
<b>C</b>		<b>SEGMENT GROUP - 15 - CPS/LIN</b>	<b>C</b>		<b>9999</b>
<b>M 244</b>	<b>LIN</b>	Line item	<b>M</b>	<b>1</b>	
<b>C 246</b>	<b>PIA</b>	Additional product id	<b>C</b>	<b>10</b>	
X	IMD	Item description	C	25	
<b>C 248</b>	<b>MEA</b>	Measurements	<b>C</b>	<b>10</b>	
X	QTY	Quantity	C	10	
<b>C 250</b>	<b>ALI</b>	Additional information	<b>C</b>	<b>10</b>	
X	GIN	Goods identity number	C	100	
X	GIR	Related identification numbers	C	100	
X	DLM	Delivery limitations	C	100	
<b>C 251</b>	<b>DTM</b>	Date/time/period	<b>C</b>	<b>5</b>	
X	FTX	Free text	C	5	
X	MOA	Monetary amount	C	5	
<b>C</b>		<b>SEGMENT GROUP - 16 - CPS/LIN/RFF</b>	<b>C</b>		<b>10</b>
<b>M 252</b>	<b>RFF</b>	Reference	<b>M</b>	<b>1</b>	
X	DTM	Date/time/period	C	1	
X		<b>SEGMENT GROUP - 17 - CPS/LIN/DGS</b>	C		10
X	DGS	Dangerous goods	M	1	
X	QTY	Quantity	C	1	
X	FTX	Free text	C	5	
<b>C</b>		<b>SEGMENT GROUP - 18 - CPS/LIN/LOC</b>	<b>C</b>		<b>100</b>
<b>M 254</b>	<b>LOC</b>	Place/location identification	<b>M</b>	<b>1</b>	
X	NAD	Name and address	C	1	
X	DTM	Date/time/period	C	1	
X	QTY	Quantity	C	10	
X		<b>SEGMENT GROUP - 19 - CPS/LIN/SGP</b>	C		1000
X	SGP	Split goods placement	M	1	
X	QTY	Quantity	C	10	
X		<b>SEGMENT GROUP - 20 - CPS/LIN/PCI</b>	C		9999
X	PCI	Package identification	M	1	
X	DTM	Date/time/period	C	5	
X	MEA	Measurements	C	10	

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X	QTY	Quantity	C	1	
X		SEGMENT GROUP - 21 - CPS/LIN/PCI/GIN	C		10
X	GIN	Goods identity number	M	1	
X	DLM	Delivery limitations	C	100	
X		SEGMENT GROUP - 22 - CPS/LIN/PCI/HAN	C		10
X	HAN	Handling instructions	M	1	
X	FTX	Free text	C	5	
X	GIN	Goods identity number	C	1000	
X		SEGMENT GROUP - 23 - CPS/LIN/QVR	C		10
X	QVR	Quantity variances	M	1	
X	DTM	Date/time/period	C	5	

## Summary

OCEAN REQ. DES.	PAGE #	SEG. ID	NAME	EDIFACT REQ. DES.	MAX USE	GROUP REPEAT
C	256	CNT	Control total	C	5	
M	257	UNT	Message trailer	M	1	

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SEGMENT: **UNH** Message header

STATUS: Mandatory

REPEAT: 1

FUNCTION: To head, identify and specify a message.

CLARIFICATION: 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 95B  
0051 UN

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UNH01	<b>0062 MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M	an..14
<p><b>This number is generated by an EDI translator, but may be controlled by the users of those translators through the use of parameters. This number does not represent values from an application system.</b></p>			
UNH02	<b>S009 MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M	
UNH02 - 1	<b>0065 Message type identifier</b> Code identifying a type of message and assigned by its controlling agency.	M	an..6
<p><b>DESADV Despatch advice message</b> <i>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.</i></p>			
UNH02 - 2	<b>0052 Message type version number</b> Version number of a message type.	M	an..3
<p><b>D95</b></p>			
UNH02 - 3	<b>0054 Message type release number</b> Release number within the current message type version number (0052).	M	an..3
<p><b>B</b></p>			
UNH02 - 4	<b>0051 Controlling agency</b> Code identifying the agency controlling the specification, maintenance and publication of the message type.	M	an..2

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

**UNH02 - 5 0057 Association assigned code C an..6**  
 Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.  
 Note: Use codes defined by association given in 0051.

**Use AVNET-assigned "AVN2".**

**UNH03 0068 COMMON ACCESS REFERENCE C an..35**  
 Reference serving as a key to relate all subsequent transfers of data to the same business case or file.

**Not Used UNH04 S010 STATUS OF THE TRANSFER C**  
 Statement that the message is one of a sequence of transfers relating to the same topic.

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SEGMENT: **BGM Beginning of message**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To indicate the type and function of a message and to transmit the identifying number.

CLARIFICATION: A segment for unique identification of the Despatch Advice document, by means of its name and its number.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
Required	<b>BGM01 C002 DOCUMENT/MESSAGE NAME</b> Identification of a type of document/message by code or name. Code preferred.	<b>C</b>	
Required	<b>BGM01 - 1 1001 Document/message name, coded</b> Document/message identifier expressed in code.	<b>C</b>	<b>an..3</b>
	<b>270 Delivery note</b> Paper document attached to a consignment informing the receiving party about contents of this consignment.		
Not Used	<b>BGM01 - 2 1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
Not Used	<b>BGM01 - 3 3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
Not Used	<b>BGM01 - 4 1000 Document/message name</b> Plain language identifier specifying the function of a document/message.	<b>C</b>	<b>an..35</b>
Required	<b>BGM02 1004 DOCUMENT/MESSAGE NUMBER</b> Reference number assigned to the document/message by the issuer.	<b>C</b>	<b>an..35</b>
	<b>AVNET Business Requirement: Delivery Ticket Number (#5)</b>		
Required	<b>BGM03 1225 MESSAGE FUNCTION, CODED</b> Code indicating the function of the message.	<b>C</b>	<b>an..3</b>
	<b>AVNET Business Requirement: Transaction Type (#18)</b>		
	<b>1 Cancellation</b> Message cancelling a previous transmission for a given transaction. <b>Message cancelled a previous transmission for a given transaction. This code indicates that a previously sent message is to be cancelled completely.</b>		
	<b>4 Change</b> Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message. <b>Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message. Indicates those line items from a previous message corresponding to the line items on this message are to be changed.</b>		

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<b>5</b>	<p><b>Replace</b>                  Message replacing a previous message.  <b>Message replacing a previous message. If code "5" is used, the use of the RFF segment in the header is recommended to indicate the original message being replaced.</b></p>
<b>9</b>	<p><b>Original</b>                  Initial transmission related to a given transaction.  <b>Initial transmission related to a given transaction.</b></p>

**Not Recommended**      **BGM04**      **4343**      **RESPONSE TYPE, CODED**      **C an..3**  
 Code specifying the type of acknowledgement required or transmitted.

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SEGMENT: **DTM** Date/time/period

STATUS: Conditional

REPEAT: 10

FUNCTION: To specify date, and/or time, or period.

CLARIFICATION: Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

COMMENT: **At least one DTM is required for the Delivery Ticket Date. Conditionally DTMs can be sent if the Delivery Start or Stop Dates differ from the Delivery Ticket Date.**

### Data Element Summary

REFERENCE DES.	TAG - NAME	ST.	REPR.
DTM01	<b>C507 DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M</b>	
DTM01 - 1	<b>2005 Date/time/period qualifier</b> Code giving specific meaning to a date, time or period.	<b>M</b>	<b>an..3</b>
	<b>124 Despatch note date</b> [2218] Date when a Despatch Note is issued. <b>AVNET Business Requirement: Delivery Ticket Date/Time (#66) Required by AVNET.</b>		
	<b>194 Start date/time</b> Date/time on which a period starts. <b>AVNET Business Requirement: Delivery Start Date/Time (#65)</b>		
	<b>206 End date/time</b> Date/time on which a period (from - to) ends. <b>AVNET Business Requirement: Delivery End Date/Time (#64)</b>		
DTM01 - 2	<b>2380 Date/time/period</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C</b>	<b>an..35</b>
DTM01 - 3	<b>2379 Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period.	<b>C</b>	<b>an..3</b>
	<b>101 YYMMDD</b> Calendar date: Y = Year; M = Month; D = Day.		
	<b>102 CCYYMMDD</b> Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. <b>This format is the preferred date/time/period format.</b>		
	<b>201 YYMMDDHHMM</b> Calendar date including time without seconds: Y = Year; M = Month; D = Day; H = Hour; M = Minute.		

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203

CCYYMMDDHHMM

*Calendar date including time with minutes:  
C=Century; Y=Year; M=Month; D=Day; H=Hour;  
M=Minutes.*

If time is required, this format is the preferred  
data/time/period format.

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**GROUP: 1 RFF**

STATUS: Conditional

REPEAT: 10

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

**SEGMENT: RFF Reference**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To specify a reference.

CLARIFICATION: A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

COMMENT: **Reference segments are used to transmit information on various parameters related to the delivery of fuel or service. Some references can stand alone, others should be paired with the DTM segment for clarity (Segment Group 1).**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
RFF01	C506 REFERENCE Identification of a reference.	M	
<p><b>The following code values are not paired with a DTM segment: ACW, AF, BT, CT and EQ.</b></p> <p><b>The following code values may be paired with a DTM segment: TB, PW, ACG, SRN.</b></p>			
RFF01 - 1	1153 Reference qualifier Code giving specific meaning to a reference segment or a reference number.	M	an..3
	<b>ACG ATA carnet number</b> Reference number assigned to an ATA carnet. <b>AVNET Business Requirement: Carnet Number (#2)</b>		
	<b>ACW Reference number to previous message</b> Reference number assigned to the message which was previously issued (e.g. in the case of a cancellation, the primary reference of the message to be cancelled will be quoted in this element). <b>AVNET Business Requirement: Reference to a Previous Delivery Ticket (#13)</b>		
	<b>AF Airlines flight identification number</b> (8110) Identification of a commercial flight by carrier code and number as assigned by the airline (IATA). <b>AVNET Business Requirement: Flight Number (#121)</b>		
	<b>AGP Company issued equipment ID</b> Owner/operator, non-government issued equipment reference number.		

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	<b>AVNET Business Requirement: Company Issue Receiving Equipment Identification (#19)</b>
<b>AHB</b>	<b>Authority issued equipment identification</b> Identification issued by an authority, e.g. government, airport authority. <b>Use for Aircraft Registration Number</b>
<b>BM</b>	<b>Bill of lading number</b> Reference number assigned to a bill of lading, see: 1001 = 705. <b>AVNET Business Requirement: Bill of Lading Number (#1)</b>
<b>BT</b>	<b>Batch number/lot number</b> Reference number assigned by manufacturer to a series of similar products or goods produced under similar conditions. <b>AVNET Business Requirement: Batch Number (#41)</b>
<b>CT</b>	<b>Contract number</b> Reference number of a contract concluded between parties. <b>AVNET Business Requirement: Contract Reference (#4)</b>
<b>EQ</b>	<b>Equipment number</b> Number assigned by the manufacturer to specific equipment. <b>AVNET Business Requirement: Company Issued Receiving Equipment Identification (#119)</b>
<b>ON</b>	<b>Order number (purchase)</b> [1022] Reference number assigned by the buyer to an order. <b>AVNET Business Requirement: Purchase Order Number (#12)</b>
<b>PW</b>	<b>Prior purchase order number</b> Reference number of a purchase order previously sent to the supplier. <b>AVNET Business Requirement: Purchase Order Number (#12)</b>
<b>SRN</b>	<b>Shipment reference number</b> [1140] Reference number assigned by a consignor to a particular shipment for his own purposes or for those of the consignee. <b>AVNET Business Requirement: Shipment Number (#16)</b>
<b>TB</b>	<b>Trucker's bill of lading</b> A cargo list/description issued by a motor carrier of freight. <b>AVNET Business Requirement: Bill of Lading Number (#1)</b>

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RFF01 - 2	<b>1154 Reference number</b>	<b>C an..35</b>
	Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	
RFF01 - 3	<b>1156 Line number</b>	<b>C an..6</b>
	Number of the line in the document/message referenced in 1154 Reference number.	
RFF01 - 4	<b>4000 Reference version number</b>	<b>C an..35</b>
	To uniquely identify a reference by its revision number.	

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SEGMENT: **DTM**    **Date/time/period**  
 GROUP: 1-RFF  
 STATUS: Conditional  
 REPEAT: 1  
 FUNCTION: To specify date, and/or time, or period.  
 CLARIFICATION: Date/time/period from the referred document.  
 COMMENT: **This DTM is used to transmit date/time information related to the preceding RFF segment.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
DTM01	<b>C507 DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M</b>	
DTM01 - 1	<b>2005 Date/time/period qualifier</b> Code giving specific meaning to a date, time or period.	<b>M</b>	<b>an..3</b>
	<b>171 Reference date/time</b> Date/time on which the reference was issued. <b>AVNET Business Requirement: Purchase Order Date (#76)</b>		
	<b>271 Ship on or about date</b> Date on or about which goods should be shipped. <b>AVNET Business Requirement: Shipped Date (#78)</b>		
	<b>36 Expiry date</b> Date of expiry of the validity of a referenced document, price information or any other referenced data element with a limited validity period. <b>AVNET Business Requirement: Carnet Expiry Date (#63)</b>		
	<b>95 Bill of lading date</b> Date as specified on the bill of lading. <b>AVNET Business Requirement: Bill of Lading Date (#62)</b>		
DTM01 - 2	<b>2380 Date/time/period</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C</b>	<b>an..35</b>
DTM01 - 3	<b>2379 Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period.	<b>C</b>	<b>an..3</b>
	<b>101 YYMMDD</b> Calendar date: Y = Year; M = Month; D = Day.		
	<b>102 CCYYMMDD</b> Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. <b>This format is the preferred date/time/period format.</b>		

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**201 YMMDDHHMM**  
Calendar date including time without seconds: Y  
= Year; M = Month; D = Day; H = Hour; M =  
Minute.

**203 CCYYMMDDHHMM**  
Calendar date including time with minutes:  
C=Century; Y=Year; M=Month; D=Day; H=Hour;  
M=Minutes.  
**If time is required, this format is the preferred  
data/time/period format.**

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**GROUP: 2 NAD**  
**STATUS:** Conditional  
**REPEAT:** 10  
**FUNCTION:** A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

**SEGMENT: NAD Name and address**  
**STATUS:** Mandatory  
**REPEAT:** 1  
**FUNCTION:** To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.  
**CLARIFICATION:** 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.

**COMMENT:** **At least two NAD segments must be included for every Delivery Ticket, Product/Service Deliverer and Product/Service Receiver. Additional parties to the delivery are also transmitted in NAD segments. Parties can be identified by name (text on codified), by IATA Carrier Code or by DUNS Number.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
NAD01	3035 PARTY QUALIFIER	M	an..3
	Code giving specific meaning to a party.		
	<b>AA Party to be billed (AAR Accounting rule 11)</b> Party to be billed in accordance with AAR Accounting rule 11. <b>AVNET Business Requirement: Supplemental Address Code (#37)</b>		
	<b>AP Accepting party</b> (3352) Party accepting goods, products, services etc. <b>AVNET Business Requirement: Received by (#36)</b>		
	<b>BY Buyer</b> (3002) Party to which merchandise is sold. <b>AVNET Business Requirement: Customer (#21)</b>		
	<b>CW Equipment owner</b> Owner of equipment (container, etc.). <b>AVNET Business Requirement: Aircraft Owner (#20)</b>		
	<b>PW Despatch party</b> (3282) Party where goods are collected or taken over by the carrier (i.e. if other than consignor). <b>AVNET Business Requirement: Delivered by (#22) Required by AVNET.</b>		

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<b>RF</b>	<b>Received from</b> Name of a person or department which actually delivers the goods. <b>AVNET Business Requirement: Delivered by (#22)</b>
<b>RH</b>	<b>Seller's financial institution</b> Financial institution designated by seller to receive payment. RDFI (ACH transfers).
<b>SU</b>	<b>Supplier</b> (3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade. <b>AVNET Business Requirement: Supplier (#38)</b>
<b>UD</b>	<b>Ultimate customer</b> The final recipient of goods. <b>AVNET Business Requirement: Product Service Receiver (#35)</b>

Advised	NAD02	C082	<b>PARTY IDENTIFICATION DETAILS</b>	C
			Identification of a transaction party by code.	
Advised	NAD02 - 1	3039	<b>Party id. identification</b>	M an..35
			Code identifying a party involved in a transaction.	
Advised	NAD02 - 2	1131	<b>Code list qualifier</b>	C an..3
			Identification of a code list.	
			<b>100 Enhanced party identification</b>	
Advised	NAD02 - 3	3055	<b>Code list responsible agency, coded</b>	C an..3
			Code identifying the agency responsible for a code list.	
			<b>115 US, DODAAC (Department Of Defense Active Agency Code)</b>	
			<b>16 DUNS (Dun &amp; Bradstreet)</b>	
			<b>163 US, FMC (Federal Maritime Commission)</b>	
			<b>3 IATA (International Air Transport Association)</b>	
			<b>91 Assigned by seller or seller's agent</b>	
			<b>92 Assigned by buyer or buyer's agent</b>	
	NAD03	C058	<b>NAME AND ADDRESS</b>	C
			Unstructured name and address: one to five lines.	
	NAD03 - 1	3124	<b>Name and address line</b>	M an..35
			Free form name and address description.	
Not Used	NAD03 - 2	3124	<b>Name and address line</b>	C an..35
			Free form name and address description.	
Not Used	NAD03 - 3	3124	<b>Name and address line</b>	C an..35
			Free form name and address description.	
Not Used	NAD03 - 4	3124	<b>Name and address line</b>	C an..35
			Free form name and address description.	
Not Used	NAD03 - 5	3124	<b>Name and address line</b>	C an..35
			Free form name and address description.	
Not Used	NAD04	C080	<b>PARTY NAME</b>	C
			Identification of a transaction party by name, one to five lines. Party name may be formatted.	

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<b>Not Used</b>	<b>NAD05</b>	<b>C059 STREET</b> Street address and/or PO Box number in a structured address: one to three lines.	<b>C</b>
<b>Not Used</b>	<b>NAD06</b>	<b>3164 CITY NAME</b> Name of a city (a town, a village) for addressing purposes.	<b>C an..35</b>
<b>Not Used</b>	<b>NAD07</b>	<b>3229 COUNTRY SUB-ENTITY IDENTIFICATION</b> Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	<b>C an..9</b>
<b>Not Used</b>	<b>NAD08</b>	<b>3251 POSTCODE IDENTIFICATION</b> Code defining postal zones or addresses.	<b>C an..9</b>
<b>Not Used</b>	<b>NAD09</b>	<b>3207 COUNTRY, CODED</b> Identification of the name of a country or other geographical entity as specified in ISO 3166.	<b>C an..3</b>

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SEGMENT: **LOC** Place/location identification

GROUP: 2-NAD

STATUS: Conditional

AVNET REQUIREMENT: Required

REPEAT: 10

FUNCTION: To identify a country/place/location/related location one/related location two.

CLARIFICATION: A segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.

COMMENT: **At least one LOC segment must be transmitted in the Delivery Ticket covering Receiving Location. The same segment is used for Receiving Sub-Location if there are any special charges associated with that sub-location. Optionally, information on the source of fuel and title transfer location is transmitted in the LOC.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
LOC01	<b>3227 PLACE/LOCATION QUALIFIER</b> Code identifying the function of a location.	<b>M</b>	<b>an..3</b>
	<b>7 Place of delivery</b> (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term). <b>AVNET Business Requirement: Receiving Location (#85)</b> <b>Required by AVNET.</b>		
	<b>80 Place of despatch</b> Place at which the goods are taken over for carriage (operational term), if different from the transport contract place of acceptance (see: 10). Synonym: Place of origin of carriage. <b>AVNET Business Requirement: From Location (#81)</b>		
LOC02	<b>C517 LOCATION IDENTIFICATION</b> Identification of a location by code or name.	<b>C</b>	
LOC02 - 1	<b>3225 Place/location identification</b> Identification of the name of place/location, other than 3164 City name.	<b>C</b>	<b>an..25</b>
LOC02 - 2	<b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
LOC02 - 3	<b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
LOC02 - 4	<b>3224 Place/location</b> Name of place/location, other than 3164 City name.	<b>C</b>	<b>an..17</b>
LOC03	<b>C519 RELATED LOCATION ONE IDENTIFICATION</b> Identification the first related location by code or name.	<b>C</b>	
	<b>Used for sub-location if prices, rates and/or charges are specific for fueling at a sub-location.</b>		
	<b>AVNET Business Requirement: Receiving Sub-Location (#86)</b>		
	<b>AVNET Business Requirement: Next Scheduled Destination (#83)</b>		

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LOC03 - 1	3223	<b>Related place/location one identification</b> Specification of the first related place/location by code.	C an..25
LOC03 - 2	1131	<b>Code list qualifier</b> Identification of a code list.	C an..3
	145	<b>Airport/city</b> As described and published by IATA.	
LOC03 - 3	3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	C an..3
	3	<b>IATA (International Air Transport Association)</b>	
LOC03 - 4	3222	<b>Related place/location one</b> Specification of the first related place/location by name.	C an..70
LOC04	C553	<b>RELATED LOCATION TWO IDENTIFICATION</b> Identification of second related location by code or name.	C
LOC04 - 1	3233	<b>Related place/location two identification</b> Specification of a second related place/location by code.	C an..25
LOC04 - 2	1131	<b>Code list qualifier</b> Identification of a code list.	C an..3
LOC04 - 3	3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	C an..3
LOC04 - 4	3232	<b>Related place/location two</b> Specification of a second related place/location by name.	C an..70
LOC05	5479	<b>RELATION, CODED</b> To specify the relationship between two or more items.	C an..3

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GROUP: **6**      **TDT**

STATUS: Conditional

AVNET REQUIREMENT: Advised

REPEAT: 10

FUNCTION: A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

SEGMENT: **TDT**      **Details of transport**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

CLARIFICATION: A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

COMMENT: **A TDT segment should be transmitted if a delivery is made of bulk product.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
TDT01	<b>8051 TRANSPORT STAGE QUALIFIER</b> Qualifier giving a specific meaning to the transport details.	<b>M</b>	<b>an..3</b>
	<b>1 Inland transport</b> Transport by which goods are moved from or to the frontier, or between inland points. <b>Used for "Into Storage Delivery"</b>		
	<b>13 At destination</b> Transport by which goods are moved at the place of destination.		
Not Used	TDT02 <b>8028 CONVEYANCE REFERENCE NUMBER</b> Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).	<b>C</b>	<b>an..17</b>
	TDT03 <b>C220 MODE OF TRANSPORT</b> Method of transport code or name. Code preferred.	<b>C</b>	
	<b>Required by AVNET if there is a physical product movement, and there is a fee/charge associated with the method of delivery.</b>		
TDT03 - 1	<b>8067 Mode of transport, coded</b> Coded method of transport used for the carriage of the goods.	<b>C</b>	<b>an..3</b>
	<b>1 Barge</b> <b>11 Ship</b> <b>21 Rail Tanker</b> <b>31 Truck</b> <b>32 Road Tanker</b> <b>35 Pipeline</b> <b>37 Hydrant Cart</b>		
TDT03 - 2	<b>8066 Mode of transport</b> Method of transport used for the carriage of the goods.	<b>C</b>	<b>an..17</b>

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	TDT04	C228	<b>TRANSPORT MEANS</b> Code and/or name identifying the type of means of transport.	C
	TDT04 - 1	8179	<b>Type of means of transport identification</b> Code defining the type of the means of transport being utilized.	C an..8
			<b>AVNET Business Requirement: Method of Delivery (#129)</b>	
	TDT04 - 2	8178	<b>Type of means of transport</b> Description of the type of the means of transport being utilized.	C an..17
Not Used	TDT05	C040	<b>CARRIER</b> Identification of a carrier by code and/or by name. Code preferred.	C
Not Used	TDT06	8101	<b>TRANSIT DIRECTION, CODED</b> Identification of the point of origin and point of direction.	C an..3
Not Used	TDT07	C401	<b>EXCESS TRANSPORTATION INFORMATION</b> To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	C
	TDT08	C222	<b>TRANSPORT IDENTIFICATION</b> Code and/or name identifying the means of transport.	C
	TDT08 - 1	8213	<b>Id. of means of transport identification</b> Identification of the means of transport by name or number.	C an..9
	TDT08 - 2	1131	<b>Code list qualifier</b> Identification of a code list.	C an..3
	TDT08 - 3	3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	C an..3
	TDT08 - 4	8212	<b>Id. of the means of transport</b> Identification of the means of transport by name or number.	C an..35
	TDT08 - 5	8453	<b>Nationality of means of transport, coded</b> Coded name of the country in which a means of transport is registered.	C an..3
	TDT09	8281	<b>TRANSPORT OWNERSHIP, CODED</b> Code indicating the ownership of the means of transport.	C an..3

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GROUP: **8 EQD**  
 STATUS: Conditional  
 AVNET REQUIREMENT: Required  
 REPEAT: 10  
 FUNCTION: A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.

SEGMENT: **EQD Equipment details**  
 STATUS: Mandatory  
 REPEAT: 1  
 FUNCTION: To identify a unit of equipment.  
 CLARIFICATION: A segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.  
 COMMENT: **The EQD segment must be sent with details of the issuing equipment or facility.**

**Data Element Summary**

	REFERENCE DES.	TAG - NAME	ST.	REPR.
	EQD01	<b>8053 EQUIPMENT QUALIFIER</b> Code identifying type of equipment.	<b>M</b>	<b>an..3</b>
Required	EQD02	<b>C237 EQUIPMENT IDENTIFICATION</b> Marks (letters and/or numbers) identifying equipment used for transport such as a container.	<b>C</b>	
Required	EQD02 - 1	<b>8260 Equipment identification number</b> Marks (letters and/or numbers) which identify equipment e.g. unit load device.	<b>C</b>	<b>an..17</b>
		<b>AVNET Business Requirement: Issuing Equipment Identification (#125)</b>		
		<b>Used to transmit Government Issued Registration Number for aircraft or ground equipment, tank number for ground facility.</b>		
Not Used	EQD02 - 2	<b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
Not Used	EQD02 - 3	<b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
	EQD02 - 4	<b>3207 Country, coded</b> Identification of the name of a country or other geographical entity as specified in ISO 3166.	<b>C</b>	<b>an..3</b>
Advised	EQD03	<b>C224 EQUIPMENT SIZE AND TYPE</b> Code and/or name identifying size and type of equipment used in transport. Code preferred.	<b>C</b>	
Not Recommended	EQD03 - 1	<b>8155 Equipment size and type identification</b> Coded description of the size and type of equipment e.g. unit load device.	<b>C</b>	<b>an..10</b>
Not Recommended	EQD03 - 2	<b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
Advised	EQD03 - 3	<b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>

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Advised	EQD03 - 4	8154	<b>Equipment size and type</b> Plain language description of the size and type of equipment e.g. unit load device.	C an..35
			<b>AVNET Business Requirement: Issuing Equipment Sub-Type (#126)</b>	
			<b>Aircraft Type Code</b>	
Not Used	EQD04	8077	<b>EQUIPMENT SUPPLIER, CODED</b> To indicate the party that is the supplier of the equipment.	C an..3
Not Used	EQD05	8249	<b>EQUIPMENT STATUS, CODED</b> Indication of the action related to the equipment.	C an..3
Not Used	EQD06	8169	<b>FULL/EMPTY INDICATOR, CODED</b> To indicate the extent to which the equipment is full or empty.	C an..3

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GROUP: **10 CPS**

STATUS: Conditional

REPEAT: 9999

FUNCTION: 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: **CPS Consignment packing sequence**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

CLARIFICATION: A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.

COMMENT: **Required by AVNET if packaged product delivery.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
<b>CPS01</b>	<b>7164 HIERARCHICAL ID. NUMBER</b> A unique number assigned by the sender to identify a level within a hierarchical structure.	<b>M</b>	<b>an..12</b>
<b>CPS02</b>	<b>7166 HIERARCHICAL PARENT ID.</b> Identification number of the next higher hierarchical data segment in a hierarchical structure.	<b>C</b>	<b>an..12</b>
<b>CPS03</b>	<b>7075 PACKAGING LEVEL, CODED</b> Indication of level of packaging specified.	<b>C</b>	<b>an..3</b>

Required

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GROUP: **11 CPS/PAC**

STATUS: Conditional

REPEAT: 9999

FUNCTION: A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

SEGMENT: **PAC Package**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To describe the number and type of packages/physical units.

CLARIFICATION: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

COMMENT: **The PAC segment is to be used if products delivered are packaged products (i.e., lubes, additives, etc.)**

**If packaged products are not delivered this segment will not be used.**

### Data Element Summary

REFERENCE DES.	TAG - NAME	ST.	REPR.
Required	PAC01 7224 NUMBER OF PACKAGES	C	n..8
	Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.		
	<b>AVNET Business Requirement: Number of Packages (#51)</b>		
Required	PAC02 C531 PACKAGING DETAILS	C	
	Packaging level and details, terms and conditions.		
	<b>AVNET Business Requirement: Type of Package (#61)</b>		
Required	PAC02 - 1 7075 Packaging level, coded	C	an..3
	Indication of level of packaging specified.		
	1 Inner		
	Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.		
	2 Intermediate		
	Level of packaging, if it exists, that is immediately subordinate to the outer packaging level.		
	3 Outer		
	For packed merchandise, outermost level of packaging for a shipment.		
Not Used	PAC02 - 2 7233 Packaging related information, coded	C	an..3
	Code giving packaging, handling and marking related information.		
Not Used	PAC02 - 3 7073 Packaging terms and conditions, coded	C	an..3
	Code identifying packaging terms and conditions.		
Required	PAC03 C202 PACKAGE TYPE	C	
	Type of package by name or by code from a specified source.		
	<b>AVNET Business Requirement: Type of Package (#61)</b>		

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Required	PAC03 - 1	7065	<b>Type of packages identification</b> Coded description of the form in which goods are presented. <b>See Appendix C, Packaged Code List.</b>	C an..17
	PAC03 - 2	1131	<b>Code list qualifier</b> Identification of a code list.	C an..3
	PAC03 - 3	3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	C an..3
Not Used	PAC03 - 4	7064	<b>Type of packages</b> Description of the form in which goods are presented.	C an..35
Not Used	PAC04	C402	<b>PACKAGE TYPE IDENTIFICATION</b> Identification of the form in which goods are described.	C
Not Used	PAC05	C532	<b>RETURNABLE PACKAGE DETAILS</b> Indication of responsibility for payment and load contents of returnable packages.	C

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SEGMENT: **MEA Measurements**

GROUP: 11-CPS/PAC

STATUS: Conditional

REPEAT: 10

FUNCTION: To specify physical measurements, including dimension tolerances, weights and counts.

CLARIFICATION: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

COMMENT: **This MEA will only be used in conjunction with the preceding PAC and will only be used in that case. It is required for packaged products.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
MEA01	6311 MEASUREMENT APPLICATION QUALIFIER Specification of the application of the physical measurement used.	M	an..3
<b>AVNET Business Requirement: Package Measure (#52)</b>			
	<b>CT Counts</b>		
	<b>VOL Volume</b> Size or measure of anything in three dimensions.		
	<b>WT Weights</b>		
Not Used	MEA02 C502 MEASUREMENT DETAILS Identification of measurement type.	C	
Required	MEA03 C174 VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C	
<b>AVNET Business Requirement: Package Measure (#52)</b>			
MEA03 - 1	6411 Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	M	an..3
<b>See Appendix C for the ASC X12 Unit of Measurement (data element 355) code list, which will be used by AVNET.</b>			
MEA03 - 2	6314 Measurement value Value of the measured unit.	C	n..18
<b>Required by AVNET if a purchased product was delivered.</b>			
Not Used	MEA03 - 3 6162 Range minimum Minimum of a range.	C	n..18
Not Used	MEA03 - 4 6152 Range maximum Maximum of a range.	C	n..18
	MEA03 - 5 6432 Significant digits To specify the number of significant digits.	C	n..2
Not Used	MEA04 7383 SURFACE/LAYER INDICATOR, CODED Code indicating the surface or layer of a product that is being described.	C	an..3

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GROUP: **15 CPS/LIN**

STATUS: Conditional

REPEAT: 9999

FUNCTION: A group of segments providing details of the individual despatched items.

SEGMENT: **LIN Line item**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To identify a line item and configuration.

CLARIFICATION: A segment identifying the product being despatched.

All other segments in the detail section following the LIN segment refer to that line item.

COMMENT: **At least one LIN segment is required to transmit information on the Product or Service Rendered. It is recommended that coded descriptions be sent.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
Advised	LIN01 1082 <b>LINE ITEM NUMBER</b> Serial number designating each separate item within a series of articles.	C	n..6
Not Used	LIN02 1229 <b>ACTION REQUEST/NOTIFICATION, CODED</b> Code specifying the action to be taken or already taken.	C	an..3
Required	LIN03 C212 <b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C	
<p><b>This composite data element is used to indicate and identify a Product or Service. Data element 7140 will identify if the item being invoiced is a product or a service. Either data element 7143 or 1131 is required. If used to identify a product: use data element 7143. If used to identify a service: use either data element 7143 with code value SA or data element 1131, code value 128.</b></p>			
Required	LIN03 - 1 7140 <b>Item number</b> A number allocated to a group or item.	C	an..35
<p><b>AVNET Business Requirement: Product Identification (#56)</b></p>			
<p><b>AVNET Business Requirement: Service Identification (#58)</b></p>			
Advised	LIN03 - 2 7143 <b>Item number type, coded</b> Identification of the type of item number.	C	an..3
<p><b>CC Industry commodity code</b> The codes given to certain commodities by an industry. <b>Use PIDX Product Code List (See Appendix C)</b></p>			
<p><b>EN International Article Numbering Association (EAN)</b> Number assigned to a manufacturer's product according to the International Article Numbering Association.</p>			

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		Use for lubricants	
		<b>SA</b>	<b>Supplier's article number</b> Number assigned to an article by the supplier of that article.
<b>Required</b>	<b>LIN03 - 3</b>	<b>1131</b>	<b>Code list qualifier</b> Identification of a code list. <b>C an..3</b>
		<b>122</b>	<b>Commodity</b> (7357) Code identifying types of goods for Customs, transport or statistical purposes (generic term).
		<b>128</b>	<b>Service</b> Identification of services.
		<b>152</b>	<b>Materials</b>
<b>Not Used</b>	<b>LIN03 - 4</b>	<b>3055</b>	<b>Code list responsible agency, coded</b> <b>C an..3</b> Code identifying the agency responsible for a code list.
		<b>3</b>	<b>IATA (International Air Transport Association)</b>
		<b>9</b>	<b>EAN (International Article Numbering association)</b>
	<b>LIN04</b>	<b>C829</b>	<b>SUB-LINE INFORMATION</b> <b>C</b> To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.
	<b>LIN04 - 1</b>	<b>5495</b>	<b>Sub-line indicator, coded</b> <b>C an..3</b> Indication that the segment and/or segment group is used for sub-line item information.
	<b>LIN04 - 2</b>	<b>1082</b>	<b>Line item number</b> <b>C n..6</b> Serial number designating each separate item within a series of articles.
<b>Not Used</b>	<b>LIN05</b>	<b>1222</b>	<b>CONFIGURATION LEVEL</b> <b>C n..2</b> Number indicating the level of an object which is in a hierarchy.
<b>Not Used</b>	<b>LIN06</b>	<b>7083</b>	<b>CONFIGURATION, CODED</b> <b>C an..3</b> Code indicating the status of the sub-line item in the configuration.

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SEGMENT: **PIA** Additional product id  
 GROUP: 15-CPS/LIN  
 STATUS: Conditional  
 REPEAT: 10  
 FUNCTION: To specify additional or substitutional item identification codes.  
 CLARIFICATION: A segment providing additional product identification.  
 COMMENT: **Use PIA if additional information about the product/service rendered is required, e.g. Specification Number.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
PIA01	<b>4347 PRODUCT ID. FUNCTION QUALIFIER</b> Indication of the function of the product code.	<b>M</b>	<b>an..3</b>
	<b>1 Additional identification</b> Information which specifies and qualifies product identifications.		
PIA02	<b>C212 ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	<b>M</b>	
PIA02 - 1	<b>7140 Item number</b> A number allocated to a group or item. <b>Specification number or description.</b>	<b>C</b>	<b>an..35</b>
PIA02 - 2	<b>7143 Item number type, coded</b> Identification of the type of item number.	<b>C</b>	<b>an..3</b>
PIA02 - 3	<b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
	<b>122 Commodity</b> (7357) Code identifying types of goods for Customs, transport or statistical purposes (generic term).		
	<b>128 Service</b> Identification of services.		
	<b>152 Materials</b>		
PIA02 - 4	<b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
	<b>5 ISO (International Organization for Standardization)</b>		
PIA03	<b>C212 ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	<b>C</b>	
PIA03 - 1	<b>7140 Item number</b> A number allocated to a group or item.	<b>C</b>	<b>an..35</b>
PIA03 - 2	<b>7143 Item number type, coded</b> Identification of the type of item number.	<b>C</b>	<b>an..3</b>
PIA03 - 3	<b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
PIA03 - 4	<b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>

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Not Used	PIA04	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
Not Used	PIA0S	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
Not Used	PIA06	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C

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SEGMENT: **MEA Measurements**

GROUP: 15-CPS/LIN

STATUS: Conditional

REPEAT: 10

FUNCTION: To specify physical measurements, including dimension tolerances, weights and counts.

CLARIFICATION: A segment specifying physical measurements of the despatched item in original or unpacked form.

COMMENT: **Must be used for fuel delivery.**

The purpose of the delivery ticket is to provide information on the provision of fuel or other services to an aircraft, ground equipment, etc. Several different fuel delivery methods are possible and each requires slightly different information and ways of handling that information. A delivery of fuel will always include the gross measure of the quantity delivered, Measured Quantity Delivered. This quantity can be arrived at through different processes; a continuous reading meter will result in a meter start and meter ending reading, the difference being the quantity delivered. A meter which is reset to zero after each delivery will provide only one reading. Some meters contain a sequence counter and these readings are referenced. For any meter reading there will be a unit of measure reference. All tickets for a fuel delivery will contain a gross quantity delivered amount, they may optionally include adjustment factors and an adjustment net quantity amount. All these data elements are accommodated through the use of one or more MEA segments. If the ticket is for a delivery at least one MEA will be used. Occasionally a reference to a specific meter is required; this meter reference is contained in an RFF segment.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
<b>MEA01</b>	<b>6311 MEASUREMENT APPLICATION QUALIFIER</b> Specification of the application of the physical measurement used.	<b>M</b>	<b>an..3</b>
<b>AVNET Business Requirement: Adjustment Parameter (#39)</b>			
	<b>TR Test result</b> Indicates that the data to follow is the test result measurements.		
<b>Required</b>	<b>MEA02 C502 MEASUREMENT DETAILS</b> Identification of measurement type.	<b>C</b>	
<b>Required</b>	<b>MEA02 - 1 6313 Measurement dimension, coded</b> Specification of the type of dimension to be measured.	<b>C</b>	<b>an..3</b>
	<b>AAW Gross volume</b> The observed volume unadjusted for factors such as temperature or gravity. <b>AVNET Business Requirement: Measured Quantity Delivered (#45)</b>		
	<b>AAX Net volume</b> The observed volume after adjustment for factors such as temperature or gravity. <b>AVNET Business Requirement: Quantity Net (#57)</b>		
	<b>DN Density</b>		
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		AVNET Business Requirement: Adjustment Parameter (#39)	
	<b>TC</b>	<b>Temperature</b> A measurement in relation to temperature. AVNET Business Requirement: Adjustment Parameter (#39)	
	<b>WT</b>	<b>Weight</b> [6150] Numeric value of weight. AVNET Business Requirement: Adjustment Parameter (#39)	
	<b>MEA02 - 2</b>	<b>6321 Measurement significance, coded</b> Code specifying the significance of a measurement value.	<b>C an..3</b>
	<b>MEA02 - 3</b>	<b>6155 Measurement attribute, coded</b> Code used to specify non-discrete measurement values.	<b>C an..3</b>
	<b>MEA02 - 4</b>	<b>6154 Measurement attribute</b> To specify non-discrete measurement values.	<b>C an..70</b>
<b>Required</b>	<b>MEA03 C174</b>	<b>VALUE/RANGE</b> Measurement value and relevant minimum and maximum tolerances in that order.	<b>C</b>
	<b>MEA03 - 1</b>	<b>6411 Measure unit qualifier</b> Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.  <b>See Appendix C for the ASC X12 Unit of Measurement (data element 355) code list, which will be used by AVNET.</b>  <b>AVNET Business Requirement: Delivery Unit of Measure (#43)</b>	<b>M an..3</b>
<b>Required</b>	<b>MEA03 - 2</b>	<b>6314 Measurement value</b> Value of the measured unit.  <b>Value of Observation/Measurement or calculated value meter ending - meter beginning.</b>  <b>AVNET Business Requirement: Measured Quantity Delivered (#45)</b>	<b>C n..18</b>
<b>Advised</b>	<b>MEA03 - 3</b>	<b>6162 Range minimum</b> Minimum of a range.  <b>AVNET Business Requirement: Meter Reading Beginning (#46)</b>	<b>C n..18</b>
<b>Advised</b>	<b>MEA03 - 4</b>	<b>6152 Range maximum</b> Maximum of a range.  <b>AVNET Business Requirement: Meter Reading Ending (#47)</b>	<b>C n..18</b>
	<b>MEA03 - 5</b>	<b>6432 Significant digits</b> To specify the number of significant digits.	<b>C n..2</b>
<b>Not Used</b>	<b>MEA04 7383</b>	<b>SURFACE/LAYER INDICATOR, CODED</b> Code indicating the surface or layer of a product that is being described.	<b>C an..3</b>

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SEGMENT: **ALI** Additional information

GROUP: 15-CPS/LIN

STATUS: Conditional

REPEAT: 10

FUNCTION: To indicate that special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.

CLARIFICATION: A segment indicating that the line item is subject to special conditions due to origin, customs preference, or commercial factors.

COMMENT: **Use the ALI segment for additional information on customs and tax information for fuel.**

**Data Element Summary**

	REFERENCE DES.	TAG - NAME	ST.	REPR.
Not Used	ALI01	<b>3239 COUNTRY OF ORIGIN, CODED</b> Country in which the goods have been produced or manufactured, according to criteria laid down for the purposes of application of the Customs tariff, of quantitative restrictions, or of any other measure related to trade.	C	an..3
Not Used	ALI02	<b>9213 TYPE OF DUTY REGIME, CODED</b> Identification of the statement of the full/preferential regime according to which duty is assessed.	C	an..3
	ALI03	<b>4183 SPECIAL CONDITIONS, CODED</b> Indication of a specific condition.	C	an..3
<b>BN Bonded Indicator</b>				
<b>AVNET Business Requirement: Bonded Indicator (#42)</b>				
<b>IE International Exempt Indicator</b>				
<b>AVNET Business Requirement: International Exempt (#44)</b>				
<b>TE Tax Exemption Indicator</b>				
<b>AVNET Business Requirement: Tax Exemption Indicator (#60)</b>				
	ALI04	<b>4183 SPECIAL CONDITIONS, CODED</b> Indication of a specific condition.	C	an..3
	ALI05	<b>4183 SPECIAL CONDITIONS, CODED</b> Indication of a specific condition.	C	an..3
Not Used	ALI06	<b>4183 SPECIAL CONDITIONS, CODED</b> Indication of a specific condition.	C	an..3
Not Used	ALI07	<b>4183 SPECIAL CONDITIONS, CODED</b> Indication of a specific condition.	C	an..3

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SEGMENT: **DTM** Date/time/period

GROUP: 15-CPS/LIN

STATUS: Conditional

REPEAT: 5

FUNCTION: To specify date, and/or time, or period.

CLARIFICATION: A segment providing date, time information related to the line item, e.g. production date.

COMMENT: **Used to reference other dates/times relating to the delivery ticket information. If "Interruption Time" is used, it will be accompanied by "Re-Start Time". The information will be conveyed in two DTMs.**

### Data Element Summary

REFERENCE DES.	TAG - NAME	ST.	REPR.
DTM01	<b>C507 DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M</b>	
DTM01 - 1	<b>2005 Date/time/period qualifier</b> Code giving specific meaning to a date, time or period.	<b>M</b>	<b>an..3</b>
	<b>229 Hoses connected date/time</b> The date and/or time hoses were connected. <b>AVNET Business Requirement: Re-start Time (#77)</b>  Used for re-start time.		
	<b>230 Hoses disconnected date/time</b> The date and/or time hoses were disconnected. <b>Interruption Time</b>  Used for interruption time.		
DTM01 - 2	<b>2380 Date/time/period</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C</b>	<b>an..35</b>
DTM01 - 3	<b>2379 Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period.	<b>C</b>	<b>an..3</b>
	<b>201 YYMMDDHHMM</b> Calendar date including time without seconds: Y = Year; M = Month; D = Day; H = Hour; M = Minute.		

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GROUP: **16 CPS/LIN/RFF**  
 STATUS: Conditional  
 REPEAT: 10  
 FUNCTION: A group of segments to give reference numbers and dates.

SEGMENT: **RFF Reference**  
 STATUS: Mandatory  
 REPEAT: 1  
 FUNCTION: To specify a reference.

CLARIFICATION: A segment identifying documents related to the line item.

COMMENT: **Use this RFF segment to transmit associated reference numbers.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
RFF01	C506 REFERENCE Identification of a reference.	M	
RFF01 - 1	1153 Reference qualifier Code giving specific meaning to a reference segment or a reference number.	M	an..3
Use AVNET assigned code values pending UN/EDIFACT data maintenance.			
DFC Fund Code AVNET Business Requirement: Fund Code (#6)			
MFP Major Force Program AVNET Business Requirement: Major Force Program (#9)			
NN Nomination Number AVNET Business Requirement: Nomination Number (#50)			
DSC Signal Code AVNET Business Requirement: Signal Code (#17)			
AVA Meter Reference AVNET Business Requirement: Meter Reference (#124)			
AVB Meter Sequential Beginning AVNET Business Requirement: Meter Sequential Beginning (#48)			
AVC Meter Sequential Ending AVNET Business Requirement: Meter Sequential Ending (#49)			
RFF01 - 2	1154 Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C	an..35
RFF01 - 3	1156 Line number Number of the line in the document/message referenced in 1154 Reference number.	C	an..6

**Refer to specific line reference if necessary.**

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RFF01 - 4

4000 Reference version number  
To uniquely identify a reference by its revision number.

C an..35

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**GROUP: 18 CPS/LIN/LOC**  
**STATUS:** Conditional  
**REPEAT:** 100  
**FUNCTION:** A group of segments giving location information and where relevant, additional addresses, date and time, and quantities.

**SEGMENT: LOC Place/location identification**  
**STATUS:** Mandatory  
**REPEAT:** 1  
**FUNCTION:** To identify a country/place/location/related location one/related location two.  
**CLARIFICATION:** A segment identifying a specific location to which products will be delivered.  
**COMMENT:** **Use this LOC segment to transmit aircraft origin and destination information for tax and customs reasons. Use one LOC per data item for clarity.**

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
LOC01	<b>3227 PLACE/LOCATION QUALIFIER</b> Code identifying the function of a location.	<b>M</b>	<b>an..3</b>
	<b>125 Last place/port of call of conveyance</b> Conveyance departed from this last foreign place/port of call to go to "Place/port of conveyance initial arrival" (87). <b>AVNET Business Requirement: Previous Station (#84)</b>		
	<b>130 Place of ultimate destination of conveyance</b> Seaport, airport, freight terminal, rail station or other place to which a means of transport is ultimately destined. <b>AVNET Business Requirement: Final Scheduled Destination (#80)</b>		
	<b>61 Next port of call</b> Next port which the vessel is going to call upon. <b>AVNET Business Requirement: Next Scheduled Destination (#83)</b>		
Required	LOC02 C517 <b>LOCATION IDENTIFICATION</b> Identification of a location by code or name.	<b>C</b>	
Required	LOC02 - 1 <b>3225 Place/location identification</b> Identification of the name of place/location, other than 3164 City name.	<b>C</b>	<b>an..25</b>
Advised	LOC02 - 2 <b>1131 Code list qualifier</b> Identification of a code list.	<b>C</b>	<b>an..3</b>
	<b>145 Airport/city</b> As described and published by IATA.		
Advised	LOC02 - 3 <b>3055 Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
	<b>3 IATA (International Air Transport Association)</b>		

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Not Used	LOC02 - 4	<b>3224 Place/location</b> Name of place/location, other than 3164 City name.	<b>C an..17</b>
Not Used	LOC03	<b>C519 RELATED LOCATION ONE IDENTIFICATION</b> Identification the first related location by code or name.	<b>C</b>
Not Used	LOC04	<b>C553 RELATED LOCATION TWO IDENTIFICATION</b> Identification of second related location by code or name.	<b>C</b>
Not Used	LOC05	<b>5479 RELATION, CODED</b> To specify the relationship between two or more items.	<b>C an..3</b>

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SEGMENT: **CNT Control total**

STATUS: Conditional

REPEAT: 5

FUNCTION: To provide control total.

CLARIFICATION: A segment by which control totals may be provided by sender for checking by the receiver.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
CNT01	<b>C270 CONTROL</b> Control total for checking integrity of a message or part of a message.	<b>M</b>	
CNT01 - 1	<b>6069 Control qualifier</b> Determines the source data elements in the message which forms the basis for 6066 Control value.	<b>M</b>	<b>an..3</b>
CNT01 - 2	<b>6066 Control value</b> Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).	<b>M</b>	<b>n..18</b>
Not Used	CNT01 - 3 <b>6411 Measure unit qualifier</b> Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	<b>C</b>	<b>an..3</b>

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SEGMENT: **UNT**      **Message trailer**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To end and check the completeness of a message.

CLARIFICATION: 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**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UNT01	<b>0074 NUMBER OF SEGMENTS IN A MESSAGE</b> Control count of number of segments in a message.	<b>M</b>	<b>n..6</b>
UNT02	<b>0062 MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	<b>M</b>	<b>an..14</b>

**This number must equal the number in UNH01 (DE0062).**

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