TRACELINK UNIVERSITY

Advance ship notice (EDIFACT)

Shipment notices allow companies to exchange serialized data for sales shipments with upstream and downstream supply chain trade partners without giving these trade partners access to their serialization system of record. These shipment notices can be used to inform their Partners of the contents of a shipment, and the notices also allow these companies to comply with government regulations or recommendations for sharing serialized data about shipments.

The Advance ship notice (ASN) EDIFACT message sends data about a purchase order the supplier is fulfilling and notifies the buyer of the pending goods delivery.

Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type**: MPC_ADVANCE_SHIP_NOTICE (Advanced Ship Notice)
- **EDIFACT Format**: DESADV
- **Transform Names**:
    - B2B_EDI_EDIFACT_DESADV_AdvanceShipNotice_IB_V6
    - B2B_EDI_EDIFACT_DESADV_AdvanceShipNotice_OB_V4

Guidelines

Input Element	Occurs	Length	Description	Example
UNB	1...1	–	**Required.**Interchange header.	–

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Input Element	Occurs	Length	Description	Example
UNB01	1...1	–	**Required.**Syntax identifier.	–
UNB01.1	1...1	4/4	**Required.**Syntax identifier.	UN0B
UNB01.2	1...1	1/1	**Required.**Syntax version number.	1
UNB02	1...1	–	**Required.**Interchange sender.	–
UNB02.1	1...1	1/35	**Required.**Sender identification.	SENDER1
UNB02.2	1...0	1/4	Partner identification code qualifier.	14
UNB02.2	1...0	1/14	Address for reverse routing.	–
UNB03	1...1	–	**Required.**Interchange recipient.	–
UNB03.1	1...1	1/35	**Required.**Recipient identification.	RECEIVER1
UNB03.2	1...1	1/4	**Required.**Partner identification code qualifier.	14
UNB03.3	1...1	1/14	**Required.**Interchange recipient internal identification.	–
UNB04	1...1	–	**Required.**Date and time of preparation.	–
UNB04.1	1...1	6/6	**Required.**Date of preparation format: YYMMDD.	231020
UNB04.2	1...1	4/4	**Required.**Time of preparation Format: hhmm.	142000
UNB05	1...1	1/14	**Required.**Interchange control reference.	131
UNB06	0...1	–	Recipients reference password.	–
UNB06.1	0...1	1/14	Recipient's reference or password	XYZ
UNB06.2	0...1	2/2	Recipient's reference or password qualifier. Valid values: • BB – Password. • AA – Reference.	BB
UNB07	0...1	1/14	Application reference.	ORDERS
UNB08	0...1	1/1	Processing priority code.	–
UNB09	0...1	1/1	Acknowledgment request.	1
UNB10	0...1	1/35	Communication agreement ID.	–
UNB11	0...1	1/1	Test indicator.	I
UNH	1...*	–	Message header.	–
UNH01	1...1	1/14	**Required.**Message reference number.	000000101
UNH02	1...1	–	**Required.**Message Identifier.	–
UNH02.1	1...1	1/6	**Required.**Message type.	DESADV
UNH02.2	1...1	1/3	**Required.**Message version number.	D
UNH02.3	1...1	1/3	**Required.**Message release number.	96A
UNH02.4	1...1	1/3	Controlling agency, coded. The valid value is UN - UN/CEFACT.	UN
UNH02.5	0...1	1/6	Association assigned code.	–
UNH02.6	0...1	1/6	Code list directory version number.	–
UNH02.7	0...1	1/6	Message type sub-function identification.	–
UNH03	0...1	1/35	Common access reference.	–
BGM	1...1	–	**Required.**Beginning of message.	–
BGM01	0...1	–	Document or message name	–
BGM01.1	0...1	1/3	Document or message name, coded. The valid value is 351 - Dispatch Advice.	351
BGM01.2	0...1	1/3	Code list qualifier.	–
BGM01.3	0...1	1/3	Code list responsible agency, coded.	–
BGM01.4	0...1	1/35	Document or message name	–
BGM02	1...1	1/35	**Required.**Document or message number	–
BGM02.1	1...1	1/70	**Required.**Document identifier. Required to be populated with delivery number.	2738662
BGM02.2	0...1	1/9	Version identifier.	–
BGM02.3	0...1	1/6	Revision identifier.	–
BGM03	0...1	1/3	Message function, coded If not populated. Valid values: • 09 – Original. • 01 – Cancellation. • 04 – Change. • 05 – Replace. • 08 – Status. • 11 – Response. • 16 – Proposal.	9
BGM04	0...1	1/3	Response type, coded.	
DTM	1...1	–	**Required.**Date or time or period.	DTM1.1 = 137
DTM01.1	1...1	1/3	**Required.**Date or time or period function code qualifier. Valid values: • 137 - Document issue date time. • 11 - Despatch date and or time. Required if DTM for despatch date and/or time populated. • 17- Delivery date/time, estimated. Required if DTM for estimated Delivery date/time populated. • 67 - Delivery date/time, current schedule Required if DTM for current scheduled delivery date/time populated.	137

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Input Element	Occurs	Length	Description	Example
DTM01.2	1...1	1/35	**Required.**Date or time or period text	20220425054813125
DTM01.3	1...1	1/3	**Required.**Date or time or period format code. the valid value is 304 - CCYYMMDDHHMMSSZZZ	304
MEA	0...1	–	Measurements.	MEA01 = CT
MEA01	1...1	1/3	**Required.**Measurement purpose code qualifier. Valid values: • CT - Counts. Required if MEA segment is populated. • AAX - Consignment measurements. Required if MEA segment populated forTotal Gross Weight, Tare weight or Actual net weight.	CT
MEA02	0...1	–	Measurement details.	–
MEA02.1	0...1	1/3	Measured attribute code. Valid values: • AAD - Total gross weight • T - Tare weight • N - Actual net weight Required if MEA segment populated for Total Gross Weight, Tare weight or Actual net weight.	–
MEA02.2	0...1	1/3	Measurement significance code.	–
MEA02.3	0...1	1/17	Non-discrete measurement name code.	–
MEA02.4	0...1	1/70	Non-discrete measurement name.	–
MEA03	1...1	–	**Required.** Value or range. Required if MEA segment populated for Counts.	–
MEA03.1	1...1	1/8	**Required.**Measurement unit code Valid values: • PF - Pallet • PK - Package • CT - Carton • KGM - Kilogram • PN - Pound net • GRM - gram • MC - microgram • ME - milligram Required if MEA segment populated for Counts, Total Gross Weight, Tare weight or Actual net weight.	PF
MEA03.2	1...1	1/18	**Required.**Measure. Required if MEA segment populated for Counts.	2
MEA03.3	0...1	1/18	Range minimum quantityEdifact Decimal [8 or 8.0 or 0.5].	–
MEA03.4	0...1	1/18	Range maximum quantityEdifact Decimal [8 or 8.0 or 0.5].	–
MEA03.5	0...1	1/2	Significant digits quantityEdifact Decimal [8 or 8.0 or 0.5].	–
MEA04	0...1	1/3	Surface or layer code.	–
RFF	0...1	–	Reference. Purchase order is required either at the header RFF segment or at the line level RFF segment.	RFF = ON
RFF01	1...1	–	**Required.**Reference. Required if RFF segment populated	
RFF01.1	1...1	1/3	**Required.**Reference code qualifier. Valid vales: • ON -Order Number (purchase). If RFF segment populated, then RFF01.1 is required. • BM - Bill of lading number. Required if RFF segment populated for bill of lading. • AAM - Waybill number. Required if RFF segment populated for waybill number. • CN - Carrier's reference number. Required if RFF segment populated for carrier reference number. • MB - Master bill of lading number. Required if RFF segment populated for master bill of lading number. • SN - Transport equipment seal identifier. Required if RFF segment populated for transport equipment seal identifier. • VR - Vendor ID number. Required if RFF segment populated for vendor id number. • IV - Invoice document Identifier. Required if RFF segment populated for invoice document number.Invoice Number can be sent in Header or Detail RFF segment.	ON
RFF01.2	1...1	1/70	**Required.** Reference identifier. If purchase order populated at the header level RFF, then RFF01.2 is required. Required if RFF segment populated for: • Bill of lading. • Waybill number. • Carrier reference number. • Master bill of lading number. • Transport equipment seal identifier. • Vendor id number. • Invoice document number.Invoice Number can be sent in Header or Detail RFF segment.	PO1098L11
RFF01.3	0...1	1/6	Document line identifier.	–

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Input Element	Occurs	Length	Description	Example
RFF01.4	0...1	1/9	Version identifier.	–
RFF01.5	0...1	1/6	Revision identifier.	–
DTM	0...1	–	Date or time or period.	DTM1.1 = 171
DTM01.1	1...1	1/3	**Required.**Date or time or period function code qualifier. The valid value is 171 - Reference date. Required if DTM segment populated for purchase order date.	171
DTM01.2	1...1	1/35	**Required.**Date or time or period text Required if DTM segment populated for purchase order date.	20240430
DTM01.3	1...1	1/3	**Required.**Date or time or period format code. The valid value is 102 - CCYYMMDD. Required if DTM segment populated for purchase order date.	102
NAD	0...1	–	Name and address.	NAD01 = MF
NAD01	1...1	1/3	**Required.**Party function code qualifier. • MF- Manufacturer of goods • BY- Buyer • ST- Ship To Party • BT - Party to be billed for other than freight (bill to) • SU - Supplier • SF - Ship from • CA - Carrier	MF
NAD02	1...1	–	**Required.**Party identification details.	–
NAD02.1	1...1	1/35	**Required.**Party identifier. **Required.** Required if NAD segment for manufacturer party populated.	MF654984
NAD02.2	0...1	1/17	Code list identification code.	–
NAD02.3	1...1	1/3	**Required.**Code list responsible agency code. Valid values: • 9 – GS1 (GLN n13) Required if NAD segment for manufacturer party populated. • 16 – US, D&B (Dun & Bradstreet Corporation). • 164 – US, DEA (Drug Enforcement Agency). • 91 – Assigned by seller or seller's agent. • 92 – Assigned by buyer or buyer's agent. • 237 – US, United States health industry .	91
NAD03	0...1	–	Name and address.	–
NAD03.1	1...1	1/35	**Required.**Name and address description.	–
NAD03.2	0...1	1/35	Name and address description.	–
NAD03.3	0...1	1/35	Name and address description.	–
NAD03.4	0...1	1/35	Name and address description.	–
NAD03.5	0...1	1/35	Name and address description	–
NAD04	1...1	–	**Required.**Party name.	–
NAD04.1	1...1	1/70	**Required.**Party name Required if buyer party contact name is populated.	Wholesale Inc
NAD04.2	0...1	1/70	Party name.	–
NAD04.3	0...1	1/70	Party name.	–
NAD04.4	0...1	1/70	Party name.	–
NAD04.5	0...1	1/70	Party name.	–
NAD04.6	0...1	1/3	Party name format code.	–
NAD05	0...1	–	Street.	–
NAD05.1	1...1	1/256	**Required.**Street and number or post office box identifier.	555 Neelan Road
NAD05.2	0...1	1/256	Street and number or post office box identifier.	Suite 123
NAD05.3	0...1	1/256	Street and number or post office box identifier.	–
NAD05.4	0...1	1/256	Street and number or post office box identifier.	–
NAD06	0...1	1/35	City name.	Sacramento
NAD07	0...1	–	Country subdivision details.	–
NAD07.1	0...1	1/9	Country subdivision identifier.	–
NAD07.2	0...1	1/17	Code list identification code.	–
NAD07.3	0...1	1/3	Code list responsible agency code.	–
NAD07.4	0...1	1/70	Country subdivision name.	–
NAD08	0...1	1/17	Postal identification code.	95833
NAD09	0...1	1/3	Country identifier.	US
CTA	0...1	–	Contact information.	CO
CTA01	1...1	1/3	**Required.**Contact function code • CO - Consignor. Required if manufacturer party contact telephone and/or email populated. • CN - Consignee. Required if buyer party contact telephone and/or email is populated. • PE - Payer contact.Required if bill to party contact telephone and/or email populated. • CA - Carrier.Required if carrier party contact telephone and/or email populated.	CO
CTA02	0...1	–	Contact details.	–

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Input Element	Occurs	Length	Description	Example
CTA02.1	0...1	1/17	Contact identifier.	–
CTA02.2	0...1	1/256	Contact name. Required if manufacturer party contact name is populated.	–
COM (1)	0...1	–	Communication contact.	COM01.2 = TE
COM01	1...1	–	**Required.**Communication contact.	–
COM01.1	1...1	1/512	**Required.** Communication address identifier. Required if manufacturer party contact telephone number populated.	07911 123456
COM01.2	1...1	1/3	**Required.**Communication means type code. Valid values: • TE - Telephone • EM - Electronic email	TE
TDT	0...10	–	Transport information.	–
TDT01	1...1	1/3	**Required.**Transport stage code qualifier. The valid value is 12 - At departure. Required if TDT segment populated for transport information.	12
TDT02	0...1	1/17	Means of transport journey identifier.	–
TDT03	0...1	–	Mode of transport.	–
TDT03.1	0...1	1/3	Transport mode name code.	–
TDT03.2	0...1	1/17	Transport mode name.	–
TDT04	0...1	–	Transport means.	–
TDT04.1	0...1	1/8	Transport means description code. Valid values: • 6 - Aircraft • 11 - Ship • 25 - Rail Express • 31 - Truck	–
TDT04.2	0...1	1/17	Code list identification code.	–
TDT04.3	0...1	1/3	Code list responsible agency code.	–
TDT04.4	0...1	1/17	Transport means description.	–
TDT05	0...1	–	Carrier.	–
TDT05.1	0...1	1/17	Carrier identifier.	B752
TDT05.2	0...1	1/17	Code list identification code.	–
TDT05.3	0...1	1/3	Code list responsible agency code. The valid value is 182 - US, Standard Carrier Alpha Code (Motor).	182
TDT05.4	0...1	1/35	Carrier name.	–
TDT06	0...1	1/3	Transit direction indicator code. Valid Values: SD - Seller to drop ship designated location.ae	SD
TDT07	0...1	–	Excess transportation information.	–
TDT07.1	1...1	1/3	**Required.**Excess transportation reason code.	–
TDT07.2	1...1	1/3	**Required.**Excess transportation responsibility code.	–
TDT07.3	0...1	1/17	Customer shipment authorization identifier.	–
TDT08	0...1	–	Transport identification.	–
TDT08.1	0...1	1/35	Transport means identification name identifier.	–
TDT08.2	0...1	1/17	Code list identification code.	–
TDT08.3	0...1	1/3	Code list responsible agency code.	–
TDT08.4	0...1	1/70	Transport means identification name.	–
TDT08.5	0...1	1/3	Transport means nationality code.	–
TDT09	0...1	1/3	Transport means ownership indicator code.	–
TDT10	0...1	–	Power type.	–
TDT10.1	0...1	1/3	Power type code.	–
TDT10.2	0...1	1/17	Code list identification code.	–
TDT10.3	0...1	1/3	Code list responsible agency code.	–
TDT10.4	0...1	1/17	Power type description.	–
TDT11	0...1	–	Transport service.	–
TDT11.1	0...1	1/17	Transport service identification code.	–
TDT11.2	0...1	1/17	Code list identification code.	–
TDT11.3	0...1	1/3	Code list responsible agency code.	–
TDT11.4	0...1	1/35	Transport service name.	–
TDT11.5	0...1	1/256	Transport service description.	–
EQD	0...10	–	Equipment details.	–
EQD01	1...1	1/3	**Required.**Equipment type code qualifier. Valid values: • CN - Container • RR - Rail Car • TE - Trailer Required if EQD segment populated for equipment details.	RR
EQD02	0...1	–	Equipment identification.	–
EQD02.1	0...1	1/17	Equipment identifier.	RR18598

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Input Element	Occurs	Length	Description	Example
EQD02.2	0...1	1/17	Code list identification code.	–
EQD02.3	0...1	1/3	Code list responsible agency code.	–
EQD02.4	0...1	1/3	Country identifier.	–
EQD03	0...1		Equipment size and type.	–
EQD03.1	0...1	1/10	Equipment size and type description code.	–
EQD03.2	0...1	1/17	Code list identification code.	–
EQD03.3	0...1	1/3	Code list responsible agency code.	–
EQD03.4	0...1	1/35	Equipment size and type description.	–
EQD04	0...1	1/3	Equipment supplier code.	–
EQD05	0...1	1/3	Equipment status code.	–
EQD06	0...1	1/3	Full or empty indicator code.	–
EQD07	0...1	1/3	Marking instructions code.	–
CPS	1...9999	–	Consignment packing sequence. A segment identifying the sequence in which packaging of the consignment occurs, e.g. boxes loaded onto a pallet. • CPS01 = 1 - represents the Shipment Level in the aggregation. Loose Items or no packaging aggregation will contain a single CPS followed by one or more LIN segments. The first CPS if contains a PAC segment would be to represent the total number of logical containers. • CPS01 > 1 - represents an aggregated container. Standard packaging Aggregation the first CPS segment will be followed by one or more additional CPS segments that contains a PAC & PCI segment . PAC segment is used to identify the container quantity. PCI segment is used to identify the container identifier.	–
CPS01	1...1	1/35	**Required.**Hierarchical structure level identifier.	1
CPS02	1...1	1/35	**Required.**Hierarchical structure parent identifier. Not populated for first CPS since shipment has no parent.	–
CPS03	0...1	1/3	Packaging level code Valid values: • 1 - Inner • 2 - Intermediate • 3 - Outer • 4 - No packaging hierarchy • 5 - Shipment Level • 6 - Highest	–
PAC	0...9999	–	Package. PAC segment is required if an aggregated packaging structure populated. Pallet - case - item is an example of a aggregated packing structure. A shipment that only contains items and no packaging containers (ie pallets case, pack) would be a non-aggregated packing structure.	–
PAC01	0...1	0/8	Package quantity. Format: EDIFACT Decimal [8 or 8.0 or 0.8]	–
PAC02	0...1	–	Packaging details.	–
PAC02.1	0...1	1/3	Packaging level code Valid values: • 1 - Inner • 2 - Intermediate • 3 - Outer • 4 - No packaging hierarchy • 5 - Shipment Level • 6 - Highest	–
PAC02.2	0...1	1/3	Packaging related description code.	–
PAC02.3	0...1	1/3	Packaging terms and conditions code.	–
PAC03	1...1	–	**Required.**Package type.	–
PAC03.1	1...1	1/17	**Required.**Package type description code. • PALLET • CARTON • INNERPACK If PAC segment populated for an aggregated packaging structure, then PAC03.1 is required.	PALLET
PAC03.2	0...1	1/17	Code list identification code.	–
PAC03.3	0...1	1/3	Code list responsible agency code.	–
PAC03.4	0...1	1/35	Type of packages.	–
PAC04	0...1	–	Package type identification.	–
PAC04.1	1...1	1/3	**Required.**Description format code.	–
PAC04.2	1...1	1/35	**Required.**Type of packages.	–
PAC04.3	0...1	1/3	Item type identification code.	–
PAC04.4	0...1	1/35	Type of packages.	–
PAC04.5	0...1	1/3	Item type identification code.	–
PAC05	0...1	–	Returnable package details.	–

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Input Element	Occurs	Length	Description	Example
PAC05.1	0...1	1/3	Returnable package freight payment responsibility code.	–
PAC05.2	0...1	1/3	Returnable package load contents code.	–
MEA	–	–	Measurements. MEA segment required if package length, width, and/or height dimensions are populated.	–
MEA01	1...1	1/3	**Required.**Measurement purpose code qualifier. The valid value is AAY - Package measurement. Required if MEA segment populated for package length, width, and/or height dimensions.	AAY
MEA02	1...1	–	**Required.**Measurement details.	–
MEA02.1	1...1	1/3	**Required.**Measured attribute code. • LN - Length • WD - Width dimension • HT - Height dimension Required if MEA segment populated for package length, width, and/or height dimensions.	LN
MEA02.2	0...1	1/3	Measurement significance code.	–
MEA02.3	0...1	1/17	Non-discrete measurement name code.	–
MEA02.4	0...1	1/70	Non-discrete measurement name.	–
MEA03	1...1	–	**Required.**Value or range.	–
MEA03.1	1...1	1/8	**Required.**Measurement unit code. • FOT - Foot • INH - Inch • MMT - Millimeter • MTR - Meter Required if MEA segment populated for package length, width, and/or height dimensions.	MMT
MEA03.2	1...1	1/18	**Required.**Measure Required if MEA segment populated for package length, width, and/or height dimensions.	150
MEA03.3	0...1	1/18	Range minimum quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA03.4	0...1	1/18	Range maximum quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA03.5	0...1	1/2	Significant digits quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA04	0...1	1/3	Surface or layer code.	–
PCI	0...1	–	Package identification. Segment is required if an aggregated packaging structure populated.	PCI01 = 24
PCI01	1...1	–	**Required.**Marking instructions code. The valid value is 24 - Shipper Assigned. Required if aggregated packaging structure populated.	24
PCI02	0...1	–	Marks and labels.	–
PCI02.1	1...1	–	**Required.**Shipping marks description.	–
PCI02.2	0...1	–	Shipping marks description.	–
PCI02.3	0...1	–	Shipping marks description.	–
PCI02.4	0...1	–	Shipping marks description.	–
PCI02.5	0...1	–	Shipping marks description.	–
PCI02.6	0...1	–	Shipping marks description.	–
PCI02.7	0...1	–	Shipping marks description.	–
PCI02.8	0...1	–	Shipping marks description.	–
PCI02.9	0...1	–	Shipping marks description.	–
PCI02.10	0...1	–	Shipping marks description.	–
PCI03	0...1	–	Full or empty indicator code.	–
PCI04	0...1	–	Type of marking.	–
PCI04.1	1...1	–	**Required.**Marking type code.	–
PCI04.2	0...1	–	Code list identification code.	–
PCI04.3	0...1	–	Code list responsible agency code.	–
GIN	0...99	–	Goods identity number. Segment is required if an aggregated packaging structure populated.	GIN01 = BJ
GIN01	1...1	–	**Required.**Object identification code qualifier. The valid value is BJ - Serial shipping container code. Required if aggregated packaging structure populated.	BJ
GIN02	1...1	–	**Required.**Identity number range.	–
GIN02.1	1...1	–	**Required.**Object identifier. Required if aggregated packaging structure populated.	00881787875498
GIN02.2	0...1	–	Object identifier.	ZZ20015
LIN	1...9999	–	Line item.	–
LIN01	1...1	1/6	**Required.**Line item identifier.	1
LIN02	0...1	1/3	Action code.	–

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Input Element	Occurs	Length	Description	Example
LIN03	1...1	–	**Required.**Item number identification.	–
LIN03.1	1...1	1/35	**Required.**Item identifier.	100021
LIN03.2	1...1	1/3	**Required.**Item type identification code. **Valid values:** • BP - Buyer number • EN - EAN number • IN - Buyer item number • MF - Manufacturer number • BC - NDC442 • BD - NDC532 • BE - NDC541 • BF - NDC542 • SK - SKU • UA - Case UPC • AH - Package UPC • SRV - GTIN14 • UP - UPC • VN - Vendor Number.	VN
LIN03.3	0...1	1/17	Code list identification code.	–
LIN03.4	0...1	1/3	Code list responsible agency code.	–
LIN04	0...1	–	Sub-line information.	–
LIN04.1	0...1	1/3	Sub-line indicator code.	–
LIN04.2	0...1	1/6	Line item identifier.	–
LIN05	0...1	0/2	Configuration level number. Format: EDIFACT Decimal [8 or 8.0 or 0.8]	–
LIN06	0...1	1/3	Configuration operation code.	–
PIA	0...10	–	Additional product ID. Lot Number mapping to packagingAggregation.	PIA01 = 1
PIA01	1...1	1/3	**Required.**Product identifier code qualifier. The valid value is 1 - additional information. Required to provide additional product identifiers and/or Lot number.	–
PIA02	1...1	–	**Required.**Item number identification.	–
PIA02.1	1...1	1/35	**Required.**Item identifier. Required if PIA segment populated for additional product information.	LOTABC
PIA02.2	1...1	1/3	**Required.**Item type identification code. **Valid values:** • BB - Lot Number • BP - Buyer's part number • EN - International Article Numbering Association (EAN) • IN - Buyer's item number • MF - Manufacturer's (producer's) article number • BC - National drug code 4-4-2 format • BD - National drug code 5-3-2 format • BE - National drug code 5-4-1 format • BF - National drug code 5-4-2 format • SK - Stock keeping unit (SKU) • UA - Universal product code (UPC) • AH - Universal Product Code (UPC) Consumer package code (1-5-5) • SRV - GTIN UP - Universal product code (UPC) • VN - Vendor item number Required if PIA segment populated for additional product information.	BB
PIA02.3	0...1	1/17	Code list identification code.	–
PIA02.4	0...1	1/3	Code list responsible agency code.	–
IMD	0...99	–	Item description.	IMD01 = F
IMD01	1...1	1/3	**Required.**Description format code The valid value is F - Free form. Required if IMD segment populated for product description.	F
IMD02	1...1	–	**Required.**Item characteristic.	–
IMD02.1	1...1	1/3	**Required.**Item characteristic code The valid value is 8 - Product. Required if IMD segment populated for product description.	8
IMD02.2	0...1	1/17	Code list identification code.	–
IMD02.3	0...1	1/3	Code list responsible agency code.	–
IMD03	0...1	–	Item description.	–
IMD03.1	0...1	1/17	Item description code.	–
IMD03.2	0...1	1/17	Code list identification code.	–
IMD03.3	0...1	1/3	Code list responsible agency code.	–
IMD03.4	1...1	1/256	**Required.**Item description. Required if IMD segment populated for product description.	Product ABC
IMD03.5	0...1	1/256	Item description.	–
IMD03.6	0...1	1/3	Language name code.	–

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Input Element	Occurs	Length	Description	Example
IMD04	0...1	1/3	Surface or layer code.	–
MEA	0...5	–	Measurements.	MEA01 = AAX
MEA01	1...1	1/3	**Required.**Measurement purpose code qualifier. The valid value is AAX - Consignment measurements. Required if MEA segment populated for item gross weight and/or net weight.	AAX
MEA02	1...1	–	**Required.**Measurement details.	–
MEA02.1	1...1	1/3	**Required.**Measured attribute code. Valid values: • AAD - Total gross weight • T - Tare weight • N - actual net weight • ABJ - Volume Required if MEA segment populated for item gross weight and/or net weight.	AAD
MEA02.2	0...1	1/3	Measurement significance code.	–
MEA02.3	0...1	1/17	Non-discrete measurement name code.	–
MEA02.4	0...1	1/70	Non-discrete measurement name.	–
MEA03	1...1	–	**Required.**Value or range.	–
MEA03.1	1...1	1/8	**Required.**Measurement unit code Valid values: • KGM - Kilogram • PN - Pound net • GRM - Gram • MC - Microgram • ME - Milligram • OZ - Ounce • GLI - Gallon • PTI - Pint • QTI - Quart Required if MEA segment populated for item gross weight and/or net weight or item volume.	KGM
MEA03.2	1...1	1/18	**Required.**Measure. Required if MEA segment populated for item gross weight and/or net weight.	150
MEA03.3	0...1	1/18	Range minimum quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA03.4	0...1	1/18	Range maximum quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA03.5	0...1	1/2	Significant digits quantity. Edifact Decimal [8 or 8.0 or 0.5]	–
MEA04	0...1	1/3	Surface or layer code.	–
QTY	1...10	–	Quantity.	QTY01.1 = 12
QTY01	1...1	–	**Required.**Quantity details.	–
QTY01.1	1...1	–	**Required.**Quantity type code qualifier. Valid values: • 12 - Dispatch quantity • 21- Ordered quantity • 131 - Quantity delivered	12
QTY01.2	1...1	–	**Required.**Quantity.	24.000

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Input Element	Occurs	Length	Description	Example
QTY01.3	1...1	–	**Required.**Measurement unit code. **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA

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Input Element	Occurs	Length	Description	Example
DTM	0...10	–	Date or time or period.	DTM1.1 = 36
DTM01.1	1...1	1/3	**Required.**Date or time or period function code qualifier. The valid value is 36 - Expiry date. Required if DTM segment populated for product expiration date.	36
DTM01.2	1...1	1/35	**Required.**Date or time or period text. Required if DTM segment populated for product expiration date.	20220425054813125
DTM01.3	1...1	1/3	**Required.**Date or time or period format code, The valid value 304 - CCYYMMDDHHMMSSZZZ . Required if DTM segment populated for product expiration date.	304
RFF	1...1	–	**Required.**Reference. Required In either Header or Detail RFF segment.	RFF = ON
RFF01	1...1	–	**Required.**Reference.	–
RFF01.1	1...1	1/3	**Required.**Reference code qualifier. The valid value is ON -Order Number (purchase). Required if RFF segment populated for purchase order number.	ON
RFF01.2	1...1	1/70	**Required.**Reference identifier. Required if RFF segment populated for purchase order number.	PO1098L11
RFF01.3	0...1	1/6	Document line identifier.	–
RFF01.4	0...1	1/9	Version identifier.	–
RFF01.5	0...1	1/6	Revision identifier.	–
DTM	0...1	–	Date or time or period. Recommended for purchase order date.	DTM1.1 = 171
DTM01.1	1...1	1/3	**Required.**Date or time or period function code qualifier. The valid value 171 - Reference date. Required if DTM segment populated for purchase order date.	171
DTM01.2	1...1	1/35	**Required.**Date or time or period text. Required if DTM segment populated for purchase order date.	20240430
DTM01.3	1...1	1/3	**Required.**Date or time or period format code. The valid value is 102 - CCYYMMDD. Required if DTM segment populated for purchase order date.	102
UNT	1...*	–	UNT Message Trailer(UNH...UNT transaction).	–
UNT01	1...1	1/14	**Required.**Number of segments in a message, starting with UNH and ending with UNT.	45
UNT02	1...1	1/14	**Required.**Message reference number.	1
UNZ	1...1	–	**Required.**UNB... UNZ interchange control trailer envelope. Only one interchange expected per transmission.	–
UNZ01	1...1	1/5	**Required.**Interchange control count.	1
UNZ02	1...1	1/14	**Required.**Interchange control reference.	3

Example

```
UNB+UNOA:2+055762322IV:2+8715865000059:14+051217:1649+00000000000058+X
YZ:DD+UB99S++1++I'
UNH+00000000000039+DESADV:D:96A:UN'
BGM+351+DES587441+9'
DTM+137:20220425054813125:304'
DTM+11:20020403051132112:304'
DTM+17:2002040309170612553 49:304'
DTM+67:20240915081534112:304'
MEA+CT++PF:1'
MEA+AAX+AAD+KGM:50'
MEA+AAX+T+PN:55'
MEA+AAX+N+OZ:63'
MEA+AAX+AAD+GRM:60'
RFF+ON:PO108981'
DTM+171:20240915081534112:102'
RFF+BM:BOL1567'
RFF+AAM:WY59783'
RFF+CN:767380001'
RFF+MB:MB5787'
RFF+SN:SEAL0015'
```

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```
RFF+VR:VEND87981'
RFF+IV:INV78787875'
DTM+171:20240515:102'
NAD+MF+5411234512309::91++MANU+MF--123
Street:Address2+City++Postal+AO'
CTA+CO+:Jane Doe2'
COM+MFBN-07911 123456:TE'
COM+MFBN-JaneDoe@domain.com:EM'
NAD+BY+BY11234512309::92++BUYER+BY-123
Street:Address2+City++Postal+JO'
CTA+CN+:Jane Doe'
COM+BYCN-07911 123456:TE'
COM+BYCN-JaneDoe@domain.com:EM'
NAD+ST+ST11234512309::9++SHIPTO+123 Street:Address2+City++Postal+US'
CTA+CN+:Jane Doe'
COM+STCN-07911 123456:TE'
COM+STCN-JaneDoe@domain.com:EM'
NAD+BT+BT11234512309::237++BILLTO+BT-123
Street:Address2+City++Postal+IQ'
CTA+PE+:Jane Doe'
COM+BTPE-07911 123456:TE'
COM+BTPE-JaneDoe@domain.com:EM'
NAD+SU+SU11234512309::16++SUPP+SU-123 Street:Address2+City++Postal+BZ'
CTA+CO+:Jane Doe'
COM+SUCO-07911 123456:TE'
COM+SUCO-JaneDoe@domain.com:EM'
NAD+SF+SF11234512309::164++SFROM+SF-123
Street:Address2+City++Postal+CL'
CTA+CO+:Jane Doe'
COM+SFCO-07911 123456:TE'
COM+SFCO-JaneDoe@domain.com:EM'
NAD+CA+CA11234512309::9++CARR1+CA1-123
Street:Address2+City++Postal+GH'
CTA+CA+:Jane Doe1'
COM+CACA-07911 123456:TE'
COM+CACA-JaneDoe@domain.com:EM'
TDT+12+++1+B752::182:Acme Trucking+SD'
EQD+RR+RAIL1596878'
CPS+1'
PAC+2++PALLET::9'
CPS+2+1'
PAC+2++PALLET::9'
MEA+AAY+LN+MMT:1254.2'
MEA+AAY+HT+MMT:12504.11'
MEA+AAY+WD+MMT:100'
PCI'
```

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```
GIN+BJ+00881787875498:ZZ20015'
LIN+1++5410738000166:VN'
PIA+1+LOT-LOOSE1:BB'
PIA+1+IN5410738000166:IN'
PIA+1+EN5410738000166:EN'
PIA+1+MF5410738000166:VN'
IMD+F+8+:::Loose item 1 description'
MEA+AAX+AAD+ME:150'
MEA+AAX+ABJ+QTI:125'
QTY+12:45:BX'
QTY+131:125:MO'
DTM+36:20250401054813125:304'
RFF+ON:PO108981'
DTM+171:20250405:102'
RFF+IV:IV108981'
DTM+171:20250506:102'
CPS+3+2'
PAC+2++CARTON::9'
MEA+AAY+LN+MTR:2254.2'
MEA+AAY+HT+MTR:22504.11'
MEA+AAY+WD+MTR:200'
PCI'
GIN+BJ+00881787875411:ZZ20011'
LIN+4++IN5410738000166:IN'
PIA+1+LOT-LOOSE4:BB'
PIA+1+AH5410738000166:AH'
PIA+1+SRV5410738000166:SRV'
PIA+1+UP5410738000166:UP'
IMD+F+8+:::Loose item 4 description'
MEA+AAX+ABJ+OZ:25'
MEA+AAX+N+GRM:111'
QTY+12:245:BG'
QTY+21:424:BO'
DTM+36:20250901054813125:304'
RFF+ON:PO108984'
DTM+171:20270405:102'
RFF+IV:IV108984'
DTM+171:20241106:102'
CNT+2:4'
UNT+103+00000000000039'
UNZ+1+00000000000058'
```

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