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TraceLink University

Warehouse Shipping Advice (X12)

A Warehouse Shipping Advice is a message sent by a warehouse to notify a trading partner that goods have been shipped and to provide details about the shipment. A Warehouse Shipping Advice communicates information about a shipment leaving a warehouse, including the items shipped, quantities, shipment identifiers, and destination details.

Supplier's remote warehouses or third-party warehouse Partners use warehouse shipping advices to communicate to the supplier that they have shipped the purchased products to the buyer's location.



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

- **Message Type:** MPC_WAREHOUSE_SHIP_ADVICE (Warehouse Shipping Advice)
- **X12 Format:** 945
- **Transform Names:**
 - B2B_EDIX12_945_WHS_ShipAdvice_IB_V5
 - B2B_EDIX12_945_WHS_ShipAdvice_OB_V2

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1...1	-	Required. ISA interchange envelope.	-
ISA01	1...1	2/2	Required. Qualifier for authorization control number in ISA02. Valid values: • 00 - No authorization info present. • 03 - Additional data identification.	00
ISA02	1...1	10/10	Required. Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry.	-
ISA03	1...1	2/2	Required. Qualifier for security information in ISA04. Valid values: • 00 - No security information present. • 01 - Password.	00
ISA04	1...1	10/10	Required. Identifies security information about the interchange sender or data.	-
ISA05	1...1	2/2	Required. Interchange sender partner ID qualifier.	07
ISA06	1...1	15/15	Required. EDI sender ID mapping to file control header and to ServiceLinkId (see row 23).	7777776067344
ISA07	1...1	2/2	Required. Interchange receiver partner ID qualifier.	01
ISA08	1...1	15/15	Required. EDI receiver ID mapping to file control header.	888888404358877
ISA09	1...1	6/6	Required. Interchange date in 6 char YYMMDD format.	231020
ISA10	1...1	4/4	Required. Interchange time in 4 char HHMM format.	1420
ISA11	1...1	1/1	Required. Repetition separator. Delimiter that separates repeated occurrences of a data element or composite data structure. Must be different than the data element separator, component separator, and segment terminator.	U
ISA12	1...1	5/5	Required. Interchange control version number. Valid value is 00501.	00501
ISA13	1...1	9/9	Required. Interchange Control Number for file control header.	000000000619827
ISA14	1...1	1/1	Required. Interchange level acknowledgment requested. Valid values: • 0 - No acknowledgment requested. • 1 - Interchange level acknowledgment requested.	0
ISA15	1...1	1/1	Required. Indicates whether the interchange is for production, test, or information purposes. Valid values: • I - Information. • P - Production data. • T - Test data.	P
ISA16	1...1	1/1	Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.	>
GS	1...*	-	GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	-
GS01	1...1	2/2	Required. GS group function code. Valid value is SW - Ship Advice.	SW
GS02	1...1	2/15	Required. Application sender's code.	222224043588
GS03	1...1	2/15	Required. Application receiver's code.	TRACELINK
GS04	1...1	8/8	Required. Current date stamp in 8 char X12 date format YYYYMMDD.	20301020
GS05	1...1	4/8	Required. Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	1...1	1/9	Required. Group control ID number.	619827
GS07	1...1	1/2	Required. Responsible agency code. Valid values: T - Transportation data coordinating committee (TDCC) X - Accredited standards committee X12.	X
GS08	1...1	1/12	Required. X12 message version code.	005010
ST	1...*	-	ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
ST01	1...1	3/3	Required. Transaction set identifier code.	850
ST02	1...1	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	0001
W06	1...1	-	Required. Warehouse shipment identification. Child of ST transaction set.	-

Input Element	Occurs	Length	Description	Example
W0601	1...1	1/1	Required. Reporting code specifying the basis used when reporting shipment information. Valid values: <ul style="list-style-type: none"> • A - Inventory adjustment with full details • B - Book transfer of inventory with full details • C - Customer return with full details • F - Full details in message • J - Original transaction • K - Simulation exercise • N - No exceptions • O - Physical inventory overage with full detail • P - Production receipt with full detail • S - Physical inventory shortage with full detail • X - Only exceptions included • Y - Automated manifest system master-in-bond participant 	N
W0602	0...1	1/22	Depositor order number.	-
W0603	0...1	8/8	Date in YYYYMMDD format.	20230916
W0604	0...1	1/30	Shipment identification number assigned by the shipper.	2114
W0606	0...1	1/22	Purchase order number.	4500003288
N1	0...1	-	Name segment loop for: <ul style="list-style-type: none"> • Ship to party • Buyer party ... sold to • Bill to party • Supplier party • Ship from party • Carrier party 	-
N101	1...1	2/3	Entity identifier code for party identifier and address information for: <ul style="list-style-type: none"> • Ship to party. • Sold to party • Bill to party • Supplier party • Ship from party • Carrier party Valid value: <ul style="list-style-type: none"> • ST - Ship to party • BY - Buyer • BT - Bill to party • SU - Supplier • SF - Ship from party • CA - Carrier 	ST
N102	1...1	1/60	Name.	Wholesale Inc
N103	1...1	1/2	Identifier code qualifier. Valid values: <ul style="list-style-type: none"> • 01 - DUNS • 09 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number 	11
N104	1...1	2/80	Ship to party identifier, as qualified by N103.	3333331013655
N3	0...1	-	N3: Address. Child of Ship to N1 Name segment.	-
N301	1...1	1/55	Street address 1.	555 Neelan Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	-	N4: Geographic Location. Child of ship to N1 name segment.	-
N401	1...1	2/30	City name.	Sacramento
N402	1...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	1...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	95833
N404	1...1	2/3	Country code.	US
N405	0...1	1/2	Placeholder for future use of SGLN.	-
N406	0...1	1/30	Origin or destination shipping location ID. SGLN number.	-
LX	0...*	-	Transaction set line number loop.	-
LX01	1...1	1/6	Transaction set line number.	1
N9	1...1	-	Extended reference information.	-

Input Element	Occurs	Length	Description	Example
N901	1...1	2/3	Reference identification qualifier. Valid values: • 2I - Tracking Number • PO - Purchase Order • VN - Supplier Order	PO
N902	0...1	1/50	Reference identification.	K018293-00010
N903	0...1	1/45	Free form description.	TEST ITEM1
N904	0...1	8/8	Date in YYYYMMDD format.	20231001
N905	0...1	4/8	Time in HH:MM:SS format.	-
W12	0...*	-	Warehouse item detail loop.	-
W1201	1...1	2/2	Shipment or order status code.	A
W1202	0...1	0/15	Quantity ordered This is the total quantity in the ordered.	400
W1203	0...1	1/10	Number of units shipped. This is the total quantity delivered.	395
W1204	0...1	1/9	Quantity difference. This records the difference between the delivery or shipment quantity and the quantity actually shipped.	5

Input Element	Occurs	Length	Description	Example
W1205	0...1	2/2	Unit or basis for measurement code. .Valid values <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - 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 • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - 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 	CA

Input Element	Occurs	Length	Description	Example
W1206	0...1	12/12	U.P.C. Case code.	02
W1207	0...1	2/2	Product or service ID qualifier. Valid values: <ul style="list-style-type: none"> • AV - Manufacturer/Supplier's catalog number • BP - Buyer's product number • FV - Canada product number • IN - Customer's(Buyer's) product item number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • MF - Manufacturer's product identefier • PI - Customer's (Purchaser's) material number • SK - Stock keeping unit • UK - GTIN14 identifier • UP or VC - Universal product number (UPC) • VN - Vendor (Supplier) material Number. 	IN
W1208	0...1	1/48	Product or service ID.	100021
W1209	0...1	1/12	Warehouse lot number.	82943
W1210	0...1	1/10	Weight.	20000
W1211	0...1	1/2	Weight Qualifier. Value values: <ul style="list-style-type: none"> • A3 - Shippers weight • G - Gross weight 	A3
W1212	0...1	1/1	Weight Unit Code. Valid values: <ul style="list-style-type: none"> • G - Gram • K - Kilogram • L - Pounds • O - Ounces Not Supported: <ul style="list-style-type: none"> • E - Metric Ton • M - Measurement Ton • S - Short Ton • T - Long Ton 	L
W03	0...1	-	Total shipment information (Warehouse)	-
W301	0...0	1/10	Number of units shipped.	N
W302	0...0	1/10	Weight.	N
W303	0...0	2/2	Unit or basis for measurement code. Valid values: <ul style="list-style-type: none"> • 01 - Actual pounds • 50 - Actual kilograms 	N
CTT	0...1	-	CTT-Transaction Totals.	-
CTT01	1...1	1/6	Total number of line items in the transaction set.	15
SE	1...1	-	ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
SE01	1...1	1/10	Total count of segments in ST ... SE transaction set including ST and SE segments.	10
SE02	1...1	4/9	Transaction set control number.	0001
GE	1...1	-	GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
GE01	1...1	1/6	Number of transaction sets in functional group.	5
GE02	1...1	1/9	Functional group control number.	619827
IEA	1...1	-	ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
IEA01	1...1	1/5	Number of functional groups in interchange.	1
IEA02	1...1	9/9	Interchange control number.	000000000619827

Example

```

ISA*00*                *00*                *01*FROM                *ZZ*T0
*071214*1406*U*00204*810000263*0*T*>
GS*SW*5139907700*2038334001*20021104*14051234*31*X*005010
ST*945*000310001
W06*N**20020916*2114**P0-2394750
N1*ST*SHIP TO PARTY (WE/SH)*92*0004000050
N3*Central 101*Local, WST-190. E
  
```

N4*Stein*GL*4AA332*CH
N1*BY*Wholesale Inc*9*0001000285
N3*7956 VICTORY*Suite 2
N4*BASEL*GL*4002*CH
N1*BT*Wholesale Inc*11*3333331013655
N3*555 Neelan Road*Suite 123
N4*Sacramento*CA*95833*US
N1*SU*SUPPLIER/VENDOR (LF/SU)*91*0001000286
N3*Stella Maris*Condado Ave 14
N4*San Juan*PR*00902*US
N1*SF*SUPPLIER/VENDOR (LF/SU)*91*0001000288
N3*Stella Maris*Warehouse 14A
N4*San Juan*PR*00902*US
N1*CA*CARRIER PARTY (SP)*91*00045455656
N3*Stree 1
N4*City*TK*3454676*JP
N1*CA*2 CARRIER PARTY (SP)*91*22200090056
N3*Stree 10
N4*2 City*MH*22000*MX
LX*1
N9*2I*K018293*TEST ITEM1*20230205
W12*CL*110*120*15*EA*UPC*AV*SUPPLIER-339408*LT-19284*6600*A3*L
W03*920*46600*01
SE*17*000310001
GE*1*31
IEA*1*000000031



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