TRACELINK UNIVERSITY

Warehouse shipping order (X12)

Warehouse shipping orders allow companies to exchange data with their remote warehouses or third-party warehouse Partners about requests for purchased product to be shipped to a buyer's location without giving these Partners access to their serialization system of record. Warehouse shipping orders can be used to request that products in a given purchase order be shipped to a buyer's location from a supplier's remote or third-party warehouses and confirm that the supplier's remote warehouses or third-party warehouses has shipped the requested product via a warehouse shipping advice.

Suppliers use warehouse shipping orders to communicate requests to their remote or third-party warehouse for purchased product to be shipped from the supplier's remote or third-party warehouse to a buyer's location.

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

- **Message Type**: MPC_WAREHOUSE_SHIP_ORDER (Warehouse Shipping Order)
- **X12 Format**: 940
- **Transform Names**:
  - B2B_EDI_X12_940_WHS_ShipOrder_IB_V5

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- B2B_EDI_X12_940_WHS_ShipOrder_OB_V4

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 Interchange control group header.	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.	20231021
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.	:–
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	0000000000619827
ISA14	1...1	1/1	**Required.**Interchange level acknowledgement requested. Valid values: • 0 - No acknowledgment requested. • 1 - Interchange level acknowledgment requested.	0
ISA15	1...1	1/2	**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 OW - Ship Order.	OW
GS02	1...1	2/15	**Required.**Application sender's code.	2222224043588
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 value is X.	X
GS08	1...1	1/12	**Required.**X12 message version code. Valid value is 00501.	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.	940
ST02	1...1	4/9	**Required.**Transaction set ID number. Counter for each ST segment beginning with 1.	1
W05	1...1	–	**Required.**Warehouse Shipment Order Identification. Child of ST transaction set.	–

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Input Element	Occurs	Length	Description	Example
W0501	1...1	1/1	**Required.**Order Status Code. Valid values: • F – Cancel • N – Original(Create) • R – Change	N
W0502	0...1	1/22	Order number. Identifying number for warehouse shipping order.	12345
W0503	0...1	1/22	Purchase Order Number.	20230916
W0504	0...1	1/30	Shipment Identification Number assigned by the Shipper.	–
W0505	0...1	1/12	Master Reference (Link) Number.	–
N1	0...1	–	N1: Name segment loop for • Ship to party • Sold to party • Bill to party • Supplier party • Ship from party • Carrier party	
N101	1...1	2/3	**Required.**Entity identifier code for party identifier and address information for • Ship to party • Sold to party • Bill to party • Supplier party • Ship from party • Carrier party Valid value: • ST – Ship to party • BT – Bill to party • BY – Buyer • SU – Supplier party • SF – Ship from party • CA – Carrier	SU
N102	1...1	1/60	**Required.**Name	Supplier Inc
N103	1...1	1/2	**Required.**Identifier code qualifier. Valid values: • 01 – DUNS • 09 – DUNS+4 • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 54 - Warehouse • 91 – Company identifier • 92 – Company location identifier • UL – Global Location Number	1
N104	1...1	2/80	**Required.**Supplier party identifier, as qualified by N103.	9999992028677
N3	0...1	–	N3: Address. Child of Ship to N1 Name segment.	–
N301	1...1	1/55	**Required.**Street address 1.	123 Supplier Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	–	N4: Geographic Location. Child of bill to N1 name segment.	–
N401	1...1	2/30	**Required.**City name.	SupplierCity
N402	1...1	2/2	**Required.**State or province code. Code (Standard state/province) as defined by appropriate government agency	MA
N403	1...1	3/15	**Required.**Postal code. Code defining international postal zone code excluding punctuation and blanks.	01899
N404	1...1	2/3	**Required.**Country code.	US
G62	0...1	–	Date or time.	–
G6201	1...1	2/30	**Required.**Date Qualifier. Valid values: • 02 – Requested delivery date • 04 – Purchase Order date • 10 – Dispatch date • 17 – Estimated delivery date for shipment • 37 – Ship not before than date • 38 – Ship not later than date • 54 – Delivery no later than date • 85 – Date of issue (warehouse) • CL – Date loading completed • BC – Publication (document) date	04
G6202	1...1	2/2	**Required.**Date.	20231101
G6203	1...1	3/15	**Required.**Time in HH:MM:SS format.	–
G6204	1...1	2/3	**Required.**Time Code.	–
NTE	0...*	–	Note/Special Instruction.	–
NTE01	0...1	–	Note Reference Code.	–

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Input Element	Occurs	Length	Description	Example
NTE02	1...1	–	**Required.**Description.	Free Form Text
LX	0...*	–	Transaction Set Line Number Loop.	–
LX01	1...1	1/6	**Required.**Transaction Set Line Number.	000001
W01	1...1	–	**Required.**Warehouse Item Detail Loop.	–
W0101	0...1	0/15	Quantity ordered. This is the total quantity in the ordered.	400

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Input Element	Occurs	Length	Description	Example
W0102	0...1	2/2	Unit or basis for measurement 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	CA

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Input Element	Occurs	Length	Description	Example
W0103	0...1	12/12	U.P.C. Case Code. Not used.	–
W0104	0...1	2/2	Product or service ID qualifier. **Valid values:** • 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.	VN
W0105	0...1	1/48	Product or service ID.	100021
W0106	0...1	2/2	Product or service ID qualifier. **Valid values:** • 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.	UK
W0107	0...1	1/48	Product or service ID.	000000000228308706
W0108	0...1	1/12	Freight class code.	–
W0109	0...1	1/12	Rate class code.	–
W0110	0...1	1/10	Commodity code qualifier. Not used.	–
W0111	0...1	1/2	Commodity code. Not used.	–
W0112	0...1	1/1	Warehouse lot number. Not used.	–
W0113	0...1	1/1	Product or service condition code. Not used.	–
W0114	0...1	1/1	Pallet block and tiers. Not used.	–
W0115	0...1	1/1	Product or service ID qualifier. **Valid values:** • 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.	N4
W0116	0...1	1/1	Product or service ID.	12345-1234-12
G69	0...5	–	Line item detail - description.	–
G6901	0...1	0/45	Free-form description.	SORITOL SR FCT 20MG 3X10 IL
N9	0...200	–	Extended reference information. Instance 1 for lot number.	–
N901	1...1	2/3	**Required.**Reference identification qualifier. Valid value is LT – Lot number.	LT

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Input Element	Occurs	Length	Description	Example
N902	0...1	1/50	Reference identification.	'3912J141
N903	0...1	1/45	Free form description.	–
N904	0...1	8/8	Date in YYYYMMDD format.	–
N905	0...1	4/8	Time in HHMMSS format.	–
N9	0...200	–	Extended reference information. Instance 2 for Purchase Order Number.	–
N901	1...1	2/3	**Required.**Reference identification qualifier. Valid value is P0 – Purchase order number.	PO
N902	0...1	1/50	Reference identification.	C0243554NLC
N903	0...1	1/45	Free form description.	–
N904	0...1	8/8	Date in YYYYMMDD format.	–
N905	0...1	4/8	Time in HHMMSS format.	–
N9	0...1	–	Extended reference information Instance 3 for Tracking Number.	–
N901	1...1	2/3	**Required.**Reference identification qualifier. Valid value is 2I – Tracking number.	2I
N902	0...1	1/50	Reference identification.	K018293-00010
N903	0...1	1/45	Free form description.	–
N904	0...1	8/8	Date in YYYYMMDD format.	2030926
N905	0...1	4/8	Time in HHMMSS format.	092521
N9	0...200	–	Extended reference information. Instance 4 for line item number.	–
N901	1...1	2/3	**Required.**Reference identification qualifier. Valid value is LI – Line item number.	LI
N902	0...1	1/50	Reference identification.	'00010
NTE	0...*	–	Note or special instruction.	–
NTE01	0...1	3/3	Note reference code. Valid values: • BOL – Bill of Lading Note • INT – General Oder Instructions • LOI – Loading Instructions	INT
NTE02	0...1	1/80	Description	Description
W76	0...1	–	Total shipping order. Sum of quantity value in all line items.	–
W7601	1...1	1/15	**Required.**Quantity.	500
W7602	0...1	1/10	Weight.	–
W7603	0...1	2/2	Unit or basis for measurement code.	EA
CTT		–	CTT-Transaction totals.	–
CTT01	1...1	1/6	**Required.**Total number of line items in the transaction set.	15
SE	1...1	–	**Required.**ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	–
SE01	1...1	1/10	**Required.**Total count of segments in ST ... SE transaction set including ST and SE segments.	–
SE02	1...1	4/9	**Required.**Transaction set control number	–
GE	1...*	–	GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	–
GE01	1...1	1/6	**Required.**Number of transaction sets in functional group	5
GE01	1...1	1/9	**Required.**Functional group control number	619827
IEA	1...*	–	ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	–
IEA01	1...1	1/5	**Required.**Number of functional groups in interchange.	1
IEA02	1...1	9/9	**Required.**Interchange control number	0000000000619827

Example

```
ISA*00* ISA02*00* ISA04*20*Sender *ZZ*Receiver
*240129*1050*^*s10ss*11 *0*T*
GS*OW*2222224043588*TRACELINK*20240129*1050*619827*X*005010
ST*940*0001
W05*N*12345*4500003288
N1*ST*ShipTo*92*COMPANYSITEID
N3*ShipTo Address 1*ShipTo Address 2
N4*ShipTo City*YY*ST4545*JP
```

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```
N1*BY*Buyer*11*001000286
N3*BY Street1*Street2
N4*BY City*PR*111111*US
N1*BT*BillTo*1*001000286
N3*BT Stella Maris*Condado Ave 14
N4*BT San Juan*PR*00902*US
N1*SU*SUPPLIER/VENDOR (LF/SU)*21*001000286
N3*Supplier Street1* Street2
N4*Supplier City*SU*33333*US
N1*SF*SHIPFROM (SF)*21*001000287
N3*ShipFrom Street1* Street2
N4*ShipFrom City*SF*33333*US
N1*CA*Carr*UL*1399999
N3*Carr Address 1*Dist Address 2
N4*Carr Cit*ZZ*DistPst*US
G62*02*20240211
G62*04*20240212
G62*10*20240213
G62*17*20240214
G62*37*20240215
G62*38*20240216
G62*54*20240217
G62*85*20240218
G62*CL*20240219
G62*BC*20240220
NTE**TEXT1
NTE**TEXT2
NTE**TEXT3
LX*1
W01*1002*EA*UPC456789012*BP*BP1*SK*SKU1********UK*GTIN14567
G69*Desc1
G69*Desc
N9*PO*PO1344
N9*LT*LT-35466
N9*D2*SU849065
N9*LI*464565
NTE**ITTEXTA
NTE**ITTEXTB
LX*2
W01*899*EA**IN*IN234*MF*MF5676567********VC*UP5656
G69*Desc1
G69*Desc2
N9*PO*PO1344
N9*LT*LT-35466
N9*D2*SU849065
N9*LI*464565
```

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```
NTE**ITTEXTA
NTE**ITTEXTB
W76*10*100*01
SE*27*s28s
GE*29*30
IEA*11*321111112
```

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