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Resources

TraceLink University

Warehouse stock transfer shipment advice (X12)

Warehouse stock transfers enable suppliers' remote or third-party warehouse Partners to communicate with each other about the movement of product between locations without giving these Partners access to their serialization system of record. Warehouse stock transfers are used to initially distribute a large shipment of product that was received into a single warehouse, balance product inventory across their warehouses, or move product to a specific warehouse in preparation to fulfill an order.

Suppliers use warehouse stock transfer shipment advices to send notice from one remote or third-party warehouse to another that the product they are transferring has been shipped from their warehouse location to the receiving warehouse.



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

- **Message Type:** MPC_WAREHOUSE_STOCK_TRANSFER_SHIP_ADVICE
(Warehouse Stock Transfer)
- **X12 Format:** 943
- **Transform Names:**
 - B2B_EDI_X12_943_WHS_StockTransferShipAdvice_IB_V3

◦ B2B_EDI_X12_943_WHS_StockTransferShipAdvice_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. TL: Read ServiceLinkId from GS segment. • 03 - Additional data identification. TL: Read ServiceLinkId from REF segment in HL level shipment where REF01 - ME.	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.	07
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.	:
ISA12	1...1	5/5	Required. Interchange control version number.	00501
ISA13	1...1	9/9	Required. Interchange Control Number for file control header.	0000000000619827
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...1	-	Required. 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 SH - Shipment.	SH
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.	231020
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 004010.	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.	943
ST02	1...1	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	1
W06	1...1	-	Required. Warehouse Shipment Identification Child of ST transaction set.	-

Input Element	Occurs	Length	Description	Example
W0601	1...1	2/2	Required. Stock transfer reporting code identifying what the basis for 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 • R - Replacement and charge with full detail • S - Physical inventory shortage with full detail • X - Only exceptions included 	J
W0602	0...1	1/22	Depositor Order Number: Warehouse shipping advice identifier.	'8196733288
W0603	0...1	8/8	Date.	'2024-04-18
W0604	0...1	1/30	Shipment identification number.	4500003288
W0605	0...1	1/12	Agent shipment ID number.	-
W0606	0...1	1/22	Purchase Order number.	PO123
N1	0...1	-	N1: Name segment loop for: <ul style="list-style-type: none"> • Buyer party. • Ship 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: <ul style="list-style-type: none"> • Sold to party. • Ship to party • Supplier party • Ship from party • Carrier party Valid values: <ul style="list-style-type: none"> • BY - Buyer • ST - Ship to party • SU - Supplier • SF - Ship from party • CA - Carrier 	BY
N102	0...1	1/60	Name.	Buyer Inc
N103	0...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 	UL
N104	0...1	2/80	Buyer party identifier, as qualified by N103.	333331013655
N3	0...1	-	N3: Address: Child of buyer party N1 name segment.	-
N301	1...1	1/55	Required. Street address 1.	555 Neelan Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	-	N4: Geographic Location. Child of buyer party N1 name segment.	-
N401	0...1	2/30	City name.	Sacramento
N402	0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
N404	0...1	2/3	Country code.	US
PER	0...1	-	Contact information for buyer party.	-
PER01	1...1	2/2	Required. Contact function code identifying major duty or responsibility of person or group named as contact. Valid value for manufacturer is AJ - Primary contact.	AJ
PER02	0...1	1/60	Name of the contact person responsible for authenticating the pedigree information.	John Smith
PER03	0...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid value: <ul style="list-style-type: none"> • TE - Telephone number. • EM - Email address. 	TE
PER04	0...1	1/2048	Telephone number of the contact person expected in this field.	+1.516.747.6849
PER04	0...1	1/2048	Email address of the contact person.	jsmith@manufac.com
PER05	0...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid value: <ul style="list-style-type: none"> • TE - Telephone number. • EM - Email address. 	EM
PER06	0...1	1/2048	Email address for the contact person expected in this field.	jsmith@manufac.com
PER06	0...1	1/2048	Telephone number of the contact person.	+1.516.747.6849
G62	0...5	-	Date or time.	-

Input Element	Occurs	Length	Description	Example
G6201	0...1	2/2	Date qualifier. Valid values: • 04 - Purchase Order date • 11 - Date shipped • 17 - Estimated delivery date for shipment • 35 - Date shipment delivered • 70 - Scheduled delivery date for shipment	-
G6202	0...1	8/8	Date.	-
G6203	0...1	1/2	Time qualifier.	-
G6204	0...1	4/8	Time.	-
G6205	0...1	2/2	Time code.	-
NTE	0...5	-	Note or special instruction.	-
NTE01	0...1	3/3	Note reference code.	-
NTE02	1...1	1/80	Required. Description.	-
W04	1...*	-	Item detail loop.	-
W0401	1...1	1/10	Required. Number of units shipped.	25

Input Element	Occurs	Length	Description	Example
			<p>Required. Unit or basis for measurement code.</p> <p>.Valid values</p> <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 • F0 - 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 	
W0402	1...1	2/2		EA
W0403	0...1	12/12	U.P.C. Case code	-

Input Element	Occurs	Length	Description	Example
W0404	0...1	2/2	Product or service ID qualifier. Valid values: <ul style="list-style-type: none"> • FV - Canada National Drug Identification Number • MF - Manufacturer's product 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 • PI - Customer's (Purchaser's) material number • SK - Stock keeping unit • UK - GTIN14 identifier • UP or UJ - EAN/UPC Universal Item Number/GTIN • VN - Vendor (Supplier) material Number. 	UK
W0405	0...1	1/80	Product or service ID.	08202000230
W0406	0...1	2/2	Product or service ID qualifier. Valid values: <ul style="list-style-type: none"> • FV - Canada National Drug Identification Number • MF - Manufacturer's product 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 • PI - Customer's (Purchaser's) material number • SK - Stock keeping unit • UK - GTIN14 identifier • UP or UJ - EAN/UPC Universal Item Number/GTIN • VN - Vendor (Supplier) material Number. 	VN
W0407	0...1	1/80	Product or service ID.	9056200123
W0408	0...1	2/5	Freight class code.	-
W0409	0...1	1/3	Rate class code.	-
W0410	0...1	1/1	Commodity code qualifier.	-
W0411	0...1	1/30	Commodity code.	-
W0412	0...1	0/6	Pallet block and tiers.	-
W0413	0...1	2/2	Inbound condition hold code.	-
W0414	0...1	2/2	Product or service ID qualifier. Valid values: <ul style="list-style-type: none"> • FV - Canada National Drug Identification Number • MF - Manufacturer's product 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 • PI - Customer's (Purchaser's) material number • SK - Stock keeping unit • UK - GTIN14 identifier • UP or UJ - EAN/UPC Universal Item Number/GTIN • VN - Vendor (Supplier) material Number. 	PI
W0415	0...1	1/80	Product or service ID.	CU-244546
W20	0...*	-	Line item detail - packing.	-
W2001	0...1	0/6	Pack.	24
W2002	0...1	0/8	Size.	3

Input Element	Occurs	Length	Description	Example
			Unit or basis of measurement code. Valid values	
W2003	0...1	2/2	<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 • CH - Container • 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 • DQ - Cubic decimeters • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • 01 - Cubic millimeter • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PH - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	EA

Input Element	Occurs	Length	Description	Example
W2004	0...1	0/8	Weight.	1000
W2005	0...1	1/2	Weight Qualifier Valid values: • G - Gross weight • N - Net weight • T - Tare	G
W2006	0...1	'1/1	Weight unit code. Valid values: • G - Gram • K - Kilogram • L - Pounds • O - Ounces	K
W2007	0...1	0/8	Unit weight.	-
W2008	0...1	0/8	Volume.	15

Input Element	Occurs	Length	Description	Example
W2009	0...1	'2/2	Unit or basis of 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 • CH - Container • 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 • DQ - Cubic decimeters • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • 01 - Cubic millimeter • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PH - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	GA

Input Element	Occurs	Length	Description	Example
W2010	0...1	'1/10	Color.	-
W03	0...*	-	Total Shipment Information (Warehouse).	-
W0301	1...1	0/10	Required. Number of units shipped.	24
W0302	0...1	0/10	Weight.	-
W0303	0...1	2/2	Unit or basis of measurement code.	-
W0304	0...1	0/8	Volume.	-
W0305	0...1	2/2	Unit or basis of measurement code.	-
W0306	0...1	0/7	Lading quantity.	-

Input Element	Occurs	Length	Description	Example
			Unit or basis of 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 • CH - Container • 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 • DQ - Cubic decimeters • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • 01 - Cubic millimeter • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PH - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	
W0307	0...1	2/2		KG

Input Element	Occurs	Length	Description	Example
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.	10
SE02	1...1	4/9	Required. Transaction set control number.	1
GE	1...1	-	Required. 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
GE02	1...1	1/9	Required. Functional group control number.	619827
IEA	1...1	-	Required. 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.	000000000619827

Example

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ISA*00* *00* *01*1234567 *11*78965412
*120709*1612*^*00501*000012345*0*P*:
GS*AR*2222224043588*TRACELINK*20230120*142012*619827*X*00501
ST*943*0001
W06*X*852369*20231110*11425**7412580
N1*BY*Wholesale Inc*91*0001000285
N3*7956 VICTORY*Suite 2
N4*BASEL*GL*4002*CH
PER*AJ*John Smith*TE*+1.516.747.6849*EM*jsmith@manufac.com
N1*ST*SHIP TO PARTY (WE/SH)*92*0004000050
N3*Central 101*Local, WST-190. E
N4*Stein*GL*4 AA332 !*CH
PER*AJ*John Smith ST*TE*+1.516.747.6849*EM*jsmith@manufac.com
N1*SU*SUPPLIER/VENDOR (LF/SU)*11*001000286
N3*Stella Maris*Condado Ave 14
N4*San Juan*PR*00902*US
PER*AJ*John Smith SU*TE*+1.516.747.6849*EM*jsmith@manufac.com
N1*SF*SUPPLIER/VENDOR (LF/SU)*1*0010002869028
N3*Stella Maris*Condado Ave 14
N4*San Juan*PR*00902*US
PER*AJ*John Smith SF*TE*+1.516.747.6849*EM*jsmith@manufac.com
N1*CA*CARRIER PARTY (SP)*9*00045455656
N3*Stree 1*Street2
N4*City*TK*3454676*JP
PER*AJ*John Smith CA*TE*+1.516.747.6849*EM*jsmith@manufac.com
G62*11*20231101
NTE*AFA*TEST P0
W27*ZZ
W04*100*EA**UK*12345678901234*VN*SU-547775*****PI*CU-244545
W20*6*3*TY*23*G*K**123*KG
W03*615*****11*KG
SE*32*0001
GE*1*619827
IEA*1*000619827

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Related Content



Forecast plan (IDoc)

Forecasting APIs allow companies to exchange data about anticipated product demand and supply availability with upstream supply chain Partners without giving these Partners access to their serialization system of record.

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Forecasting APIs allow companies to exchange data about anticipated product demand and supply availability with upstream supply chain Partners without giving these Partners access to their serialization system of record.

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Forecast plan response (IDoc)

Forecasting APIs allow companies to exchange data about anticipated product demand and supply availability with downstream supply chain Partners without giving these Partners access to their serialization system of record.

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