



Home Resources TraceLink University

Warehouse Shipping Advice (X12)

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_EDI_X12_945_WHS_ShipAdvice_IB_V3
 - B2B_EDI_X12_945_WHS_ShipAdvice_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	11	-	Required.ISA interchange envelope.	-
ISA01	11	2/2	Required.Qualifier for authorization control number in ISA02. Valid values: • 00 - No authorization info present. • 03 - Additional data identification.	00
ISA02	11	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.	-



Input Element	Occurs	Length	Description	Example
ISA03	11	2/2	Required. Qualifier for security information in ISA04. Valid values: 00 - No security information present. 01 - Password.	00
ISA04	11	10/10	Required. Identifies security information about the interchange sender or data.	-
ISA05	11	2/2	Required.Interchange sender partner ID qualifier. Valid values: 01 - Duns (Dun & Bradstreet). 02 - Standard Carrier Alpha Code. 03 - Federal Maritime Commission. 04 - International Air Transport Association. 07 - Global Location Number (GLN). 08 - UCC EDI Communications ID (Comm ID). 09 - X.121 (CCITT). 10 - Department of Defense (DoD) Activity Address Code. 11 - Drug Enforcement Administration identifier. 12 - Telephone Companies. 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. 14 - Duns Plus Suffix. 15 - Petroleum Accountants Society of Canada Company Code. 16 - DINS Number With 4-Character Suffix. 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). 18 - Association of American Railroads (AAR) Standard Distribution Code. 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). 20 - Health Industry Number (HIN). 21 - Integrated Postsecondary Education Data System. 22 - Federal Interagency Commission on Education, or FICE. 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutions. 26 - Statistics of Canada List of Postsecondary Institutions. 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). 29 - Medicare Provider and Supplier Identification Number as assigned by Health Care Financing Administration (HCFA). 32 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the Intermational Association of Industrial Accident Boards and Commissions (IAIABC). 32 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissioners Company Code (NAI	07



ISA06 I1 15/15	Required.EDI sender ID mapping to file control header and to ServiceLinkId (see row 23). Required.Interchange receiver partner ID qualifier. Valid values: • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS Number With 4-Character Suffix.	7777776067344
ISA07 11 2/2	Required.Interchange receiver partner ID qualifier. Valid values: • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code.	
	 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). 18 - Association of American Railroads (AAR) Standard Distribution Code. 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). 20 - Health Industry Number (HIN). 21 - Integrated Postsecondary Education Data System. 22 - Federal Interagency Commission on Education, o FICE. 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutions. 26 - Statistics of Canada List of Postsecondary Institutions. 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). 29 - Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). 30 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). 32 - U.S. Federal Employer Identification Number (FEIN). 33 - National Association of Insurance Commissioners Company Code (NAIC). 34 - Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). 35 - Statistics Canada Canadian College Student Information System Institution Codes. 36 - Statistics Canada Canadian College Student Information System Institution Codes. 37 - Society of Property Information Compilers and Analysts (SPICA). 38 - The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. AM - Association Mexicana del Codigo de Producto (AMEC	01
	Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number.	
ISAU8 11 15/15	Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined.	1
ISA09 11 6/6	Assigned. • SA – User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN – Standard Address Number. • ZZ – Mutually Defined.	888888404358877



Input Element	Occurs	Length	Description	Example
ISA11	11	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	11	5/5	Required. Interchange control version number. Valid value is 00501.	00501
ISA13	11	9/9	Required. Interchange Control Number for file control header.	000000000061982
ISA14	11	1/1	Required.Interchange level acknowledgment requested. Valid values: • 0 - No acknowledgment requested. • 1 - Interchange level acknowledgment requested.	0
ISA15	11	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	11	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	11	2/2	Required. GS group function code. Valid value is SW - Ship Advice.	SW
GS02	11	2/15	Required. Application sender's code.	2222224043588
GS03	11	2/15	Required. Application receiver's code.	TRACELINK
GS04	11	8/8	Required. Current date stamp in 8 char X12 date format YYYYMMDD.	20301020
GS05	11	4/8	Required. Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	11	1/9	Required. Group control ID number.	619827
GS07	11	1/2	Required.Responsible agency code. Valid values: T - Transportation data coordinating committee (TDCC) . X - Accredited standards committee X12.	x
GS08	11	1/12	Required.X12 message version code.	005010
ST	1*	-	ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
ST01	11	3/3	Required. Transaction set identifier code.	850
ST02	11	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	0001
W06	11	-	Required. Warehouse shipment identification. Child of ST transaction set.	-
W0601	11	1/1	Required.Reporting code specifying the basis used when reporting shipment information. Valid values: • 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	01	1/22	Depositor order number.	-
W0603	01	8/8	Date in YYYYMMDD format.	20230916
W0604	01	1/30	Shipment identification number assigned by the shipper.	2114
W0606	01	1/22	Purchase order number.	4500003288
N1	01	-	Name segment loop for: • Ship to party • Buyer party sold to • Bill to party • Supplier party • Ship from party • Carrier party	-



E	Input Iement	Occurs	Length	Description	Example
	N101	11	2/3	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 • BY - Buyer • BT - Bill to party • SU - Supplier • SF - Ship from party • CA - Carrier	ST
П	N102	11	1/60	Name.	Wholesale Inc
	N103	11	1/2	Identifier code qualifier. Valid values: • 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
Π	N104	11	2/80	Ship to party identifier, as qualified by N103.	3333331013655
П	N3	01	-	N3: Address. Child of Ship to N1 Name segment.	-
П	N301	11	1/55	Street address 1.	555 Neelan Road
П	N302	01	1/55	Street address 2.	Suite 123
П	N4	01	-	N4: Geographic Location. Child of ship to N1 name segment.	-
Π	N401	11	2/30	City name.	Sacramento
П	N402	11	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
	N403	11	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	95833
Π	N404	11	2/3	Country code.	US
П	N405	01	1/2	Placeholder for future use of SGLN.	-
l		01	1/30	Origin or destination shipping location ID. SGLN number.	-
Πī	Х	0*	-	Transaction set line number loop.	-
巾	LX01	11	1/6	Transaction set line number.	1
IT	N9	11	-	Extended reference information.	-
		11	2/3	Reference identification qualifier. Valid values: • 2I – Tracking Number • P0 – Purchase Order • VN – Supplier Order	РО
П	N902	01	1/50	Reference identification.	K018293-00010
IT	N903	01	1/45	Free form description.	TEST ITEM1
IT	N904	01	8/8	Date in YYYYMMDD format.	20231001
IT	N905	01	4/8	Time in HH:MM:SS format.	-
\parallel	W12	0*	-	Warehouse item detail loop.	-
H	W1201		2/2	Shipment or order status code.	A
\parallel	W1202		0/15	Quantity ordered This is the total quantity in the ordered.	400
I	W1203	01	1/10	Number of units shipped. This is the total quantity delivered.	395
	W1204	01	1/9	Quantity difference. This records the difference between the delivery or shipment quantity and the quantity actually shipped.	5



Input Element	Occurs Lengtl	Description	Example
		Unit or basis for measurement code. Valid values 0.2 - Statute Mile 4.6 - Microliter 4.7 - Ampoule 4.7 - Ampoule 8.8 - Bag 8.0 - Bottle 8.8 - Bag 8.0 - Bottle 8.8 - Bag 8.0 - Bottle 8.8 - Cachtiliter 6.4 - Case 6.5 - Card, Blister 6.6 - Card, Blister 6.7 - Cubic Feet 6.7 - Cubic Feet 7.0 - Cantoner 8.0 - Cartridge 8.0 - Capage 8.	CA



Input Element	Occurs	Length	Description	Example
W1206	01	12/12	U.P.C. Case code.	02
W1207	01	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 • M4 - 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		1/48	Product or service ID.	100021
W1209		1/12	Warehouse lot number.	82943
W1210	01	1/10	Weight.	20000
 	01	1/2	Weight Qualifier. Value values: • A3 – Shippers weight • G – Gross weight	A3
W1212	01	1/1	Weight Unit Code. Valid values: • G - Gram • K - Kilogram • L - Pounds • O - Ounces Not Supported: • E - Metric Ton • M - Measurement Ton • S - Short Ton • T - Long Ton	L
W03	01	-	Total shipment information (Warehouse)	-
W301	00	1/10	Number of units shipped.	N
W302	00	1/10	Weight.	N
W303	00	2/2	Unit or basis for measurement code. Valid values: • 01 - Actual pounds • 50 - Actual kilograms	N
CTT	01	-	CTT-Transaction Totals.	-
CTT01	11	1/6	Total number of line items in the transaction set.	15
SE	11	-	ST SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
SE01	11	1/10	Total count of segments in ST SE transaction set including ST and SE segments.	10
SE02	11	4/9	Transaction set control number.	0001
GE	11	-	GS GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
GE01	11	1/6	Number of transaction sets in functional group.	5
GE02	11	1/9	Functional group control number.	619827
EA	11	-	ISA IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
IEA01	11	1/5	Number of functional groups in interchange.	1
IEA02	11	9/9	Interchange control number.	000000000061982

Example

ISA*00* *00* *01*FROM *ZZ*TO
*071214*1406*U*00204*810000263*0*T*>
GS*SW*5139907700*2038334001*20021104*14051234*31*X*005010
ST*945*000310001
W06*N**20020916*2114**PO-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*00000031



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