

TRACELINK UNIVERSITY

Inventory balances (EDIFACT)

Inventory balances allow suppliers to communicate with their remote or third-party warehouses about their available and upcoming inventory levels. Inventory balances contain several types of inventory information such as physical product location within a warehouse, product category, and total available inventory. Communicating inventory levels ensures suppliers can keep the required amount of inventory stocked at their locations and enables them to perform other key activities like properly preparing to fulfill large orders. Inventory balances are usually sent at regular intervals or because the buyer requests inventory information.

Suppliers use inventory balances to communicate about available and upcoming inventory levels with their remote or third-party warehouses, or buyers.

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

- **Message Type**: MPC_INVENTORY_BALANCE (Inventory Balance)
- **EDIFACT Format**: EDIFACT INVRPT
- **Transform Names**:
    - B2B_EDI_EDIFACT_INVRPT_InventoryBalance_IB_V1

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- B2B_EDI_EDIFACT_INVRPT_InventoryBalance_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
INVRPT	1...1		**Required.** EDIFACT orders.	
UNA	0...1		UNA Interchange Header.	
UNA03	1...1	1/1	**Required.** Decimal mark.	
UNA04	1...1	1/1	**Required.** Release indicator.	
UNA05	1...1	1/1	**Required.** Reserved for future.	
UNB	1...1		**Required.** UNB interchange header.	
UNB01	1...1		**Required.** Syntax identifier.	
UNB01.1	1...1	4/4	**Required.** Syntax identifier. **Valid Values** • UNOA - Alternative graphic character allocations and national or application-oriented graphic character allocations. • UNOB - Alternative graphic character allocations and national or application-oriented graphic character allocations. • UNOC - Latin alphabet No. 1. • UNOD - Latin alphabet No. 2. • UNOE - Latin or Cyrillic alphabet. • UNOF - Latin or Greek alphabet. • UNOG - Latin alphabet No. 3. • UNOH - Latin alphabet No. 4. • UNOI - Latin or Arabic alphabet. • UNOJ - Latin or Hebrew alphabet. • UNOK - Latin alphabet No. 5. • UNOL -UN/ECE Level L • UNOW - UN/ECE Level W • UNOX - Code extension technique as defined by ISO 2022 utilizing the escape techniques in accordance with ISO 2375. • UNOY - ISO 10646-1 octat without code extension technique.	UNOB
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	0...1	1/4	Partner identification code qualifier. **Valid Values** • 1 - Duns (Dun & Bradstreet). Partner identification code assigned by Dun & Bradstreet. • 4 - IATA (International Air Transport Association) partner identification code assigned by the International Air Transport Association. • 5 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIRET. French national statistics institute. SIRET means Systeme Informatique du Repertoire des entreprises et de leurs Etablissements. • 8 - UCC Communications ID (Uniform Code Council Communications Identifier) a ten digit code used to uniquely identify physical and logical locations. • 9 - DUNS (Data Universal Numbering System) partner identifier with 4 digit suffix assigned by Dun & Bradstreet. • 12 - Telephone number where a partner identification code corresponds to the partner telephone number. • 14 - GS1. Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System. • 18 - AIAG (Automotive Industry Action Group) partner identifier code assigned by the Automotive Industry Action Group. • 22 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIREN (Systeme Informatique du Repertoire des Entreprises et de leurs etablissements). French national statistics institute. • 30 - ISO 6523: Organization identification. Partner identification code specified in ISO 6523 for the identification of organizations. • 31 - DIN (Deutsches Institut fuer Normung). German standardization institute. • 33 - BFA (Bundesversicherungsanstalt fuer Angestellte). German social security association. • 34 - National Statistical Agency. Partner identification code assigned by a national statistical agency. • 51 - GEIS (General Electric Information Services). Partner identification code assigned by General Electric Information Services. • 52 - INS (IBM Network Services). Partner identification code assigned by IBM Network Services. • 53 - Datenzentrale des Einzelhandels. German data centre for retail trade. • 54 - Bundesverband der Deutschen Baustoffhaendler. German building material trade association. • 55 - Bank identifier code. • 57 - KTNet (Korea Trade Network Services) partner identification code. • 58 - UPU (Universal Postal Union) partner identification code. • 59 - ODETTE (Organization for Data Exchange through Tele-Transmission in Europe). European automotive industry project. • 61 - SCAC (Standard Carrier Alpha Code). Directory of standard multimodal carriers and tariff agent codes. The SCAC lists and codes transportation companies. • 63 - ECA (Electronic Commerce Australia). Australian association for electronic commerce. • 65 - TELEBOX 400 (Deutsche Telekom). German telecommunications service. • 80 - NHS (National Health Service). United Kingdom National Health Service. • 82 - Statens Teleforvaltning. Norwegian telecommunications regulatory authority (NTRA). • 84 - Athens Chamber of Commerce. Greek Chamber of Commerce. • 85 - Swiss Chamber of Commerce. • 86 - United States Council for International Business. • 87 - National Federation of Chambers of Commerce and Industry. Belgium National Federation of Chambers of Commerce and Industry. • 89 - Association of British Chambers of Commerce. • 90 - SITA (Societe Internationale de Telecommunications Aeronautiques). • 91 - Partner identifier assigned by seller or seller's agent. • 92 - Partner identifier assigned by buyer or buyer's agent. • 103 - TW Trade-van an EDI VAN service center for customs, transport, and insurance in national and international trade. • 128 - CH BCNR (Swiss Clearing Bank Number) identifier for a Swiss clearing bank as a sender and/or receiver of an electronic message. • 129 - CH BPI (Swiss Business Partner Identification) identifier code for a corporate or Swiss non-clearing bank as a sender and/or receiver of an electronic message. • 144 - US DoDAAC (Department of Defense Activity Address Code). Code assigned to uniquely identify all military units in the United States Department of Defense. • 145 - FR DGCP (Direction Generale de la Comptabilite Publique). Code assigned by the French public accounting office. • 146 - FR DGI (Direction Generale des Impots). Code assigned by the French taxation authority. • 147 - JP JIPDEC/ECPC (Japan Information Processing Development Corporation / Electronic Commerce Promotion Center) party identification code. • 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). • 500 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.). The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long-distance heating and water supply industries. • 501 - EASEE-gas (European Association for the Streamlining of Energy Exchange). Partner identification code registered with EASEE-gas. • 502 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) the German Technical and Scientific Association for Gas and Water. • ZO1 - Registration number of a vehicle assigned by a recognised authority. • ZZZ - Mutually defined between trading partners.	14
UNB02.3	0...1	1/14	Address for reverse routing.	
UNB03	1...1		**Required.** Interchange recipient.	
UNB03.1	1...1	1/35	**Required.** Recipient identification.	RECEIVER1
UNB03.2	0...1	1/4	Partner identification code qualifier. **Valid Values** • 1 - Duns (Dun & Bradstreet). Partner identification code assigned by Dun & Bradstreet. • 4 - IATA (International Air Transport Association) partner identification code assigned by the International Air Transport Association. • 5 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIRET. French national statistics institute. SIRET means Systeme Informatique du Repertoire des entreprises et de leurs Etablissements. • 8 - UCC Communications ID (Uniform Code Council Communications Identifier) a ten digit code used to uniquely identify physical and logical locations. • 9 - DUNS (Data Universal Numbering System) partner identifier with 4 digit suffix assigned by Dun & Bradstreet. • 12 - Telephone number where a partner identification code corresponds to the partner telephone number. • 14 - GS1. 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German telecommunications service. • 80 - NHS (National Health Service). United Kingdom National Health Service. • 82 - Statens Teleforvaltning. Norwegian telecommunications regulatory authority (NTRA). • 84 - Athens Chamber of Commerce. Greek Chamber of Commerce. • 85 - Swiss Chamber of Commerce. • 86 - United States Council for International Business. • 87 - National Federation of Chambers of Commerce and Industry. Belgium National Federation of Chambers of Commerce and Industry. • 89 - Association of British Chambers of Commerce. • 90 - SITA (Societe Internationale de Telecommunications Aeronautiques). • 91 - Partner identifier assigned by seller or seller's agent. • 92 - Partner identifier assigned by buyer or buyer's agent. • 103 - TW Trade-van an EDI VAN service center for customs, transport, and insurance in national and international trade. • 128 - CH BCNR (Swiss Clearing Bank Number) identifier for a Swiss clearing bank as a sender and/or receiver of an electronic message. • 129 - CH BPI (Swiss Business Partner Identification) identifier code for a corporate or Swiss non-clearing bank as a sender and/or receiver of an electronic message. • 144 - US DoDAAC (Department of Defense Activity Address Code). Code assigned to uniquely identify all military units in the United States Department of Defense. • 145 - FR DGCP (Direction Generale de la Comptabilite Publique). Code assigned by the French public accounting office. • 146 - FR DGI (Direction Generale des Impots). Code assigned by the French taxation authority. • 147 - JP JIPDEC/ECPC (Japan Information Processing Development Corporation / Electronic Commerce Promotion Center) party identification code. • 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). • 500 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.). The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long-distance heating and water supply industries. • 501 - EASEE-gas (European Association for the Streamlining of Energy Exchange). Partner identification code registered with EASEE-gas. • 502 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) the German Technical and Scientific Association for Gas and Water. • ZO1 - Registration number of a vehicle assigned by a recognised authority. • ZZZ - Mutually defined between trading partners.	1
UNB03.3	0...1	1/14	Interchange recipient internal identification.	
UNB04	1...1		**Required.** Date and time of preparation.	
UNB04.1	1...1	6/6	**Required.** Date of preparation.	231020
UNB04.2	1...1	4/4	**Required.** Time of preparation.	1420
UNB05	1...1	1/14	**Required.** Interchange control reference.	131
UNB06	0...1		Recipient's 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	REFERENCE
UNB07	0...1	1/14	Application reference.	INVRPT
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.	
UNH	1...*		UNH 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 identifier.	INVRPT
UNH02.2	1...1	1/3	**Required.** Message type version number.	D
UNH02.3	1...1	1/3	**Required.** Message type release number.	97A
UNH02.4	1...1	1/3	**Required.** Controlling agency.	UN
UNH02.5	0...1	1/6	Association assigned code.	
UNH03	0...1	1/35	Common access reference.	
UNH04	0...1		Status of the Transfer	
UNH04.1	1...1	1/2	**Required.** Sequence message transfer number	
UNH04.2	0...1	1/1	First or last sequence message transfer indication	
BGM	1...1		**Required.** Beginning of message.	
BGM01	0...1		Document or message name.	
BGM01.1	0...1	1/3	Processing function. Valid values: • 1 - Added or Created • 2 - Deleted or Canceled • 3 - Changed	1
BGM01.2	0...1	1/17	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	0...1		Document or message number.	
BGM02.1	0...1	1/70	Document identifier.	2738662
BGM03	0...1	1/3	Message function, coded. Valid values: • 9 - Original document, create in target. • 4 - Change order. • 1 - Cancel order.	9
BGM04	0...1	1/3	Response type, coded.	
DTM	0...10		Date	
DTM01	1...1		**Required.** Date or time or period.	
DTM01.1	1...1	1/3	**Required.** Date or time or period qualifier. Valid values: • 7 - Effective date • 44 - Availability date • 90 - Report start date • 91 - Report end date • 137 – Document date or time • 273 – Validity period	137
DTM01.2	0...1	1/35	Date	20230304
DTM01.3	0...1	1/3	Date or time or period format qualifier. Valid values: • 102 - YYYYMMDD format • 203 – CCYYMMDDHHMM format	102
NAD	0...20		NAD: Name segment loop for: • Bill to party • Supplier party • Manufacturer party • Inventory reporting party. • Warehouse party • Ship From party • Distributor party	

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Input Element				Occurs	Length	Description	Example
			NAD01	1...1	1/3	**Required.** Party Qualifier for: • Bill To party. • Supplier party • Manufacturer party • Ship to party • Ship from party • Carrier party Entity identifier code for party identifier and address information for bill to party. Valid values: • BT – Bill to party. • SU – Supplier • MF – Manufacturer party. • GY – Inventory reporting party. • WH – Warehouse party. • ST – Ship to party. • SF – Ship From Party. • DS – Distributor party.	N/A
			NAD02	0...1		Party identification details.	
			NAD02.1	1...1	1/35	**Required.** Party identifier.	8712199999999
			NAD02.2	0...1	1/3	Code list identification code.	
			NAD02.3	0...1	1/3	Code list responsible agency code. Valid values: • 16 – D-U-N-S number, Dun and Bradstreet. • 91 – Assigned by seller or company identifier. • 92 – Assigned by buyer or company site identifier. • 164 – Drug Enforcement Agency registration number.	16
			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.	
			NAD04	0...1		Party name.	
			NAD04.1	1...1	1/35	**Required.** Party name.	Supplier Name
			NAD04.2	0...1	1/35	Party name.	
			NAD04.3	0...1	1/35	Party name.	
			NAD05	0...1		Street.	
			NAD05.1	1...1	1/35	**Required.** Street and number or postal box.	Supplier Street
			NAD05.2	0...1	1/35	Street and number or postal box.	
			NAD06	0...1	1/35	City name.	Supplier City
			NAD07	0...1		Country subdivision details.	
			NAD07.1	0...1	1/9	Country sub-entity identification.	
			NAD08	0...1	1/17	Postcode identification code.	Postal Code

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		Input Element	Occurs	Length	Description	Example
					Country identifier. **Valid Values** • AF – Afghanistan • AX – Åland Islands • AL – Albania • DZ – Algeria • AS – American Samoa • AD – Andorra • AO – Angola • AI – Anguilla • AQ – Antarctica • AG – Antigua and Barbuda • AR – Argentina • AM – Armenia • AW – Aruba • AU – Australia • AT – Austria • AZ – Azerbaijan • BS – Bahamas • BH – Bahrain • BD – Bangladesh • BB – Barbados • BY – Belarus • BE – Belgium • BZ – Belize • BJ – Benin • BM – Bermuda • BT – Bhutan • BO – Bolivia, Plurinational State of Bolivia • BA – Bosnia and Herzegovina • BW – Botswana • BV – Bouvet Island • BR – Brazil • IO – British Indian Ocean Territory • BN – Brunei Darussalam • BG – Bulgaria • BF – Burkina Faso • BI – Burundi • KH – Cambodia • CM – Cameroon • CA – Canada • KY – Cayman Islands • CF – Central African Republic • TD – Chad • CL – Chile • CN – China • CX – Christmas Island • CC – Cocos (Keeling) Islands • CO – Colombia • KM – Comoros • CG – Congo • CD – Congo, The Democratic Republic of the Congo • CK – Cook Islands • CR – Costa Rica • CI – Cote D'Ivoire • HR – Croatia • CU – Cuba • CY – Cyprus • CZ – Czech Republic • DK – Denmark • DJ – Djibouti • DM – Dominica • DO – Dominican Republic • EC – Ecuador • EG – Egypt • SV – EL Salvador • GQ – Equatorial Guinea • ER – Eritrea • EE – Estonia • ET – Ethiopia • FK – Falkland Islands (Malvinas) • FO – Faroe Islands • FJ – Fiji • FI – Finland • FR – France • GF – French Guiana • PF – French Polynesia • TF – French Southern Territories • GA – Gabon • GM – Gambia • GE – Georgia • DE – Germany • GH – Ghana • GI – Gibraltar • GR – Greece • GL – Greenland • GD – Grenada • GP – Guadeloupe • GU – Guam • GT – Guatemala • GG – Guernsey • GN – Guinea • GW – Guinea-Bissau • GY – Guyana • HT – Haiti • HM – Heard Island and McDonald Islands • VA – Holy See (Vatican City State) • HN – Honduras • HK – Hong Kong • HU – Hungary • IS – Iceland • IN – India • ID – Indonesia • IR – Iran, Islamic Republic of Iran • IQ – Iraq • IE – Ireland • IM – Isle of man • IL – Israel • IT – Italy • JM – Jamaica • JP – Japan • JE – Jersey • JO – Jordan • KZ – Kazakhstan • KE – Kenya • KI – Kiribati • KP – Korea, Democratic People's Republic of Korea • KR – Korea, Republic of Korea • KW – Kuwait • KG – Kyrgyzstan • LA – Lao People's Democratic Republic • LV – Latvia • LB – Lebanon	
		NAD09	0...1	1/3	• LS – Lesotho • LR – Liberia • LY – Libyan Arab Jamahiriya • LI – Liechtenstein • LT – Lithuania • LU – Luxembourg • MO – Macao • MK – Macedonia, The Former Yugoslav Republic of Macedonia • MG – Madagascar • MW – Malawi • MY – Malaysia • MV – Maldives • ML – Mali • MT – Malta • MH – Marshall Islands • MQ – Martinique • MR – Mauritania • MU – Mauritius • YT – Mayotte • MX – Mexico • FM – Micronesia, Federated States of Micronesia • MD – Moldova, Republic of Moldova • MC – Monaco • MN – Mongolia • ME – Montenegro • MS – Montserrat • MA – Morocco • MZ – Mozambique • MM – Myanmar • NA – Namibia • NR – Nauru • NP – Nepal • NL – Netherlands • AN – Netherlands Antilles • NC – New Caledonia • NZ – New Zealand • NI – Nicaragua • NE – Niger • NG – Nigeria • NU – Niue • NF – Norfolk Island • MP – Northern Mariana Islands • NO – Norway • OM – Oman • PK – Pakistan • PW – Palau • PS – Palestinian Territory, Occupied • PA – Panama • PG – Papua New Guinea • PY – Paraguay • PE – Peru • PH – Philippines • PN – Pitcairn • PL – Poland • PT – Portugal • PR – Puerto Rico • QA – Qatar • RE – Reunion • RO – Romania • RU – Russian Federation • RW – Rwanda • BL – Saint Barthelemy • SH – Saint Helena, Ascension and Tristan da Cunha • KN – Saint Kitts and Nevis • LC – Saint Lucia • MF – Saint Martin • PM – Saint Pierre and Miquelon • VC – Saint Vincent and the Grenadines • WS – Samoa • SM – San Marino • ST – Sao Tome and Principe • SA – Saudi Arabia • SN – Senegal • RS – Serbia • SC – Seychelles • SL – Sierra Leone • SG – Singapore • SK – Slovakia • SI – Slovenia • SB – Solomon Islands • SO – Somalia • ZA – South Africa • GS – South Georgia and the South Sandwich Islands • ES – Spain • LK – Sri Lanka • SD – Sudan • SR – Suriname • SJ – Svalbard and Jan Mayen • SZ – Swaziland • SE – Sweden • CH – Switzerland • SY – Syrian Arab Republic • TW – Taiwan, Province of China • TJ – Tajikistan • TZ – Tanzania, United Republic of Tanzania • TH – Thailand • TL – Timor-Leste • TG – Togo • TK – Tokelau • TO – Tonga • TT – Trinidad and Tobago • TN – Tunisia • TR – Turkey • TM – Turkmenistan • TC – Turks and Caicos Islands • TV – Tuvalu • UG – Uganda • UA – Ukraine • AE – United Arab Emirates • GB – United Kingdom • US – United States • UM – United States Minor Outlying Islands • UY – Uruguay • UZ – Uzbekistan • VU – Vanuatu • VE – Venezuela, Bolivarian Republic of Venezuela • VN – Vietnam • VG – Virgin Islands, British • VI – Virgin Islands, U.S. • WF – Wallis and Futuna • EH – Western Sahara • YE – Yemen • ZM – Zambia • ZW – Zimbabwe	

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Input Element					Occurs	Length	Description	Example
CTA					0...10		CTA: Contact information.	
	CTA01				1...1	1/3	**Required.** Contact function, coded. Valid value is SU -Supplier contact.	SU
	CTA02				0...1		Department or employee details.	
		CTA02.1			0...1	1/17	Department or employee identification.	
		CTA02.2			0...1	1/256	Department or employee.	John Smith
COM					0...5		COM: Communication contact.	
	COM01				1...3		Communication Information	
		COM01.1			1...1	1/512	**Required.** Communication number.	50812345678
		COM01.2			1...1	1/3	**Required.**Communication channel qualifier.	TE
	COM01				0...3		Communication information.	
		COM01.1			1...1	1/512	**Required.** Communication number.	stx.team@partner.de
		COM01.2			1...1	1/3	**Required.** Communication channel qualifier.	EM
LIN					1...9999999		Line item.	
	LIN01				0...1	1/6	Line item number.	15
	LIN02				0...1	1/3	Processing function, Valid values: • 1 - Added or created. • 2 - Deleted or canceled. • 3 - Changed.	1
	LIN03				0...1		Item Number identification.	
		LIN03.1			0...1	1/35	Item number .	B712100000010
		LIN03.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC)	VN
		LIN03.3			0...1	1/17	Code list qualifier.	
PIA					0...10		Additional Product Id.	
	PIA01				1...1	1/3	**Required.** Product id. function qualifier.	5
	PIA02				1...1		**Required.** Item Number Identification.	
		PIA02.1			0...1	1/35	Item number.	AB80
		PIA02.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC). • BB and MB – Lot number.	SA
		PIA02.3			0...1	1/17	Code list qualifier.	
	PIA03				0...1		Item Number identification.	
		PIA03.1			0...1	1/35	Item number.	AB80
		PIA03.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC). • BB and MB – Lot number.	SA
		PIA03.3			0...1	1/17	Code list qualifier.	
	PIA04				0...1		Item number identification.	
		PIA04.1			0...1	1/35	Item number.	AB80
		PIA04.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC). • BB and MB – Lot number.	SA
		PIA04.3			0...1	1/17	Code list qualifier.	
	PIA05				0...1		Item number identification.	
		PIA05.1			0...1	1/35	Item number.	AB80
		PIA05.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC). • BB and MB – Lot number.	SA
		PIA05.3			0...1	1/17	Code list qualifier.	
	PIA06				0...1		Item number identification.	
		PIA06.1			0...1	1/35	Item number.	AB80
		PIA06.2			0...1	1/3	Item number type, coded. Valid values: • BP – Buyer's product identifier. • **IN** – Customer's(Buyer's) product item number. • SRV – GS1 Global Trade Item Number. • MF – Manufacturer's product identifier. • SK – SKU, Stock Keeping Unit. • VN – Supplier's catalog number. • VP – Vendor, supplier's part number. • UP – Universal product number (UPC). • BC – Buyer's product identifier. • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC). • BB and MB – Lot number.	SA
		PIA06.3			0...1	1/17	Code list qualifier.	
IMD					0...10		Item description.	
	IMD01				0...1	1/3	Item description type, coded Valid values: • C - Code (from industry code list) • F - Free-form • S - Structured (from industry code list) • B - Code and text	F
	IMD02				0...1	1/3	Item characteristic, coded.	
		IMD02.1			0...1	1/3	Item description identification.	
		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 identification.	
		IMD03.2			0...1	1/17	Code list qualifier.	
		IMD03.3			0...1	1/3	Code list responsible agency, coded.	
		IMD03.4			0...1	1/256	Item description.	Product description 1
		IMD03.5			0...1	1/256	Item description.	
		IMD03.6			0...1	1/3	Item description.	
DTM					0...5		Date	
	DTM01				1...1		**Required.** Date or time or period.	
		DTM01.1			1...1	1/3	**Required.** Date or time or period qualifier. Valid value is 36 – Expiration date or time.	36
		DTM01.2			0...1	1/35	Date.	20230304
		DTM01.3			0...1	1/3	Date or time or period format qualifier. Valid value is 102 - YYYYMMDD format.	102
INV					0...9999		Inventory.	
	INV01				0...1	1/3	Inventory movement direction code.	
	INV02				0...1	1/3	Inventory movement reason code.	
	INV03				0...1	1/3	Inventory movement reason code.	
	INV04				0...1	1/3	Inventory balance method code.	
QTY					0...9		Quantity.	
	QTY01				1...1		**Required.** Quantity details.	5
		QTY01.1			1...1	1/3	**Required.** Quantity qualifier Valid values: • 17 - Quantity on hand. • 21 - Ordered quantity. • 27 – On Hold quantity. • 89 – Inspection. • 179 - Allocated quantity.	17
		QTY01.2			1...1	1/35	**Required.** Quantity.	6

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Input Element					Occurs	Length	Description	Example
				QTY01.3	0...1	1/8	Measure unit qualifier. **Valid Values** • 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. • KG – 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 – Months. • 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
UNT					1...1		**Required.** UNT Message Trailer(UNH...UNT transaction)	
	UNT01				1...1	1/10	**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	1/6	**Required.** Interchange control count.	1
	UNZ02				1...1	1/14	**Required.** Interchange control reference.	3

Example

```
UNA:+.? '
UNB+UNOB:1+SENDER1:14:ZZUK+RECEIVER1:1:ZZUK+240913:1420+131+XYZ:AA+INV
RPT++1++I'
UNH+000000101+INVRPT:D:97A:UN+Interchg_id'
BGM+35+2738662+1'
DTM+7:20230304:102'
DTM+36:202303051207'
DTM+44:20230306154812111:304'
DTM+90:20230307:102'
DTM+91:20230308124812:204'
DTM+137:202303091209:203'
DTM+273:20230310113445:204'
NAD+BT+8712199999999::16++BillTo Name+BillTo Street1:BillTo
Street2+BillToCity+BT_State+BTPostalcode+US'
CTA+PD+:Contact Person_BT'
COM+1234567890:TE'
COM+BT_Email@partner.de:EM'
NAD+SU+8712199998888::164++Supplier Name+Supplier Street1:Supplier
Street2+SuppliCity+SU_State+SUPostalcode+US'
CTA+PD+:Contact Person_SU'
COM+1234567891:TE'
COM+SU_Email@partner.de:EM'
NAD+MF+8712199997777::91++Manufacturer Name+Manufacturer
Street1:Manufacturer
Street2+MF_City+MF_State+MFPostalcode+US'
CTA+PD+:Contact Person_MF'
COM+1234567892:TE'
COM+MF_Email@partner.de:EM'
NAD+GY+8712199996666::92++Reporting Name+Reporting Street1:Reporting
```

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```
Street2+GY_City+GY_State+GYPostalcode+US'
CTA+PD+:Contact Person_GY'
COM+1234567893:TE'
COM+GY_Email@partner.de:EM'
NAD+WH+8712199995555::16++Warehouse Name+Warehouse Street1:Warehouse
Street2+WH_City+WH_State+WHPostalcode+US'
CTA+PD+:Contact Person_WH'
COM+1234567894:TE'
COM+WH_Email@partner.de:EM'
NAD+ST+8712199994444::164++ShipTo Name+ShipTo Street1:ShipTo
Street2+ST_City+ST_State+STPostalcode+US'
CTA+PD+:Contact Person_ST'
COM+1234567895:TE'
COM+ST_Email@partner.de:EM'
NAD+SF+8712199993333::91++ShipFrom Name+ShipFrom Street1:ShipFrom
Street2+SF_City+SF_State+SFPostalcode+US'
CTA+PD+:Contact Person_SF'
COM+1234567896:TE'
COM+SF_Email@partner.de:EM'
NAD+DS+8712199992222::92++Distributor Name+Distributor
Street1:Distributor
Street2+DS_City+DS_State+DSPostalcode+US'
CTA+PD+:Contact Person_DS'
COM+1234567897:TE'
COM+DS_Email@partner.de:EM'
LIN+0001+1+8712100000010:VN'
PIA+1+Customer1:IN+GTIN14_1:SRV+UPC_1:UP+US_NDC442_1:BC+US_NDC532_1:BD
'
PIA+2+Customer2:IN+Buyer1:BP+Manufacturer1:MF'
PIA+3+LOT1:BB+US_NDC542_1:BF+US_NDC541_1:BE+SKU_1:SK'
IMD+F++:::Product Description 1::EN'
IMD+F++:::Product Description 2::AR'
DTM+7:20240304:102'
DTM+36:202403051207'
DTM+44:20240306154812111:304'
DTM+90:20240307:102'
DTM+91:20240308124812:204'
INV++++1'
QTY+17:60:EA'
QTY+21:100:PC'
INV++++2'
QTY+27:10:CA'
QTY+89:20:PK'
QTY+170:30:EA'
UNT+78+s121'
UNZ+124+s125''
```

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