



TRACELINK UNIVERSITY

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Resources

TraceLink University

Forecast plan (EDIFACT)

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. These Forecasts can be used by buyers to inform their Partners about anticipated demand for specific products and quantities they expect to need in an upcoming amount of time.

The Forecast Plan X12 message sends advanced notice to a supplier about the buyer's anticipated product quantity needs for an upcoming period of time.



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

- **Message Type:** MPC_FORECAST_PLAN (Forecast Plan)
- **EDIFACT Format:** EDIFACT DELFOR
- **Transform Name:**
 - B2B_EDI_EDIFACT_DELFOR_ForecastPlan_IB_V1
 - B2B_EDI_EDIFACT_DELFOR_ForecastPlan_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
UNA	1..1	1	UNA Interchange Header	~
UNAS3	1..1	121	Required: Document Name	~
UNAS4	1..1	121	Required: Release Indicator	~
UNAS5	1..1	121	Required: Reason for Release	~
UNB	1..1	1	Required: UNB Interchange Header	~
UNB01	1..1	1	Required: Syntax identifier	~

Input Element	Occurs	Length	Description	Example
UNB01.1	1..1	45	Required: Syntax Identifier Valid values • UNDA - Alternative graphic character allocations and national or application oriented graphic character allocations. • UNDE - Alternative graphic character allocations and national or application oriented graphic character allocations. • UNDC - Latin alphabet No. 1. • UNDF - Latin or Greek alphabet. • UNDE - Latin or Cyrillic alphabet. • UNDF - Latin or Greek alphabet. • UNDC - Latin alphabet No. 3. • UNDF - Latin alphabet No. 4. • UNDE - Latin or Arabic alphabet. • UNDF - Latin or Hebrew alphabet. • UNDC - Latin alphabet No. 5. • UNDC - UNDO • UNDF - UNOW • UNDF - Code extension technique as defined by ISO 2002 utilizing the escape techniques in accordance with ISO 2015. • UNDF - ISO 10646-1 octet without code extension technique.	UN08
UNB01.2	1..1	11	Required: Syntax version number.	1
UNB02	1..1	-	Required: Interchange Sender.	-
UNB02.1	1..1	135	Required: Sender identification.	SENDER1
UNB02.2	1..1	14	Required: Partner Identification Code Qualifier. Valid values • 1 - D-U-N-S number, Dun and Bradstreet • 2 - D-U-N-S + 4, Dun and Bradstreet number plus suffix. • 9 - D-U-N-S + 4, Dun and Bradstreet number plus suffix. • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 93 - Assigned by seller - company identifier • 92 - Assigned by buyer - company site identifier • 68 - Global Location Number • 12 - Telephone number • 28 - Standard Point Location Code (SPLC) • 22 - Mutually defined	14
UNB02.3	0..1	114	Address for Reverse Routing.	-
UNB03	0..1	114	Required: Interchange Recipient.	-
UNB03.1	1..1	135	Required: Recipient identification.	RECEIVER1
UNB03.2	0..1	14	Partner Identification Code Qualifier. Valid values • 1 - D-U-N-S number, Dun and Bradstreet • 2 - D-U-N-S + 4, Dun and Bradstreet number plus suffix. • 9 - D-U-N-S + 4, Dun and Bradstreet number plus suffix. • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 93 - Assigned by seller - company identifier • 92 - Assigned by buyer - company site identifier • 68 - Global Location Number • 12 - Telephone number • 28 - Standard Point Location Code (SPLC) • 22 - Mutually defined	14
UNB03.3	0..1	114	Interchange Recipient Internal Identification.	-
UNB04	1..1	-	Required: Date and Time of Preparation.	-
UNB04.1	0..1	45	Required: Date of preparation.	211020
UNB04.2	1..1	44	Required: Time of preparation.	1705
UNB05	1..1	114	Required: Interchange Control Reference.	131
UNB06	0..1	-	Recipient's Reference Password.	-
UNB06.1	0..1	114	Recipient's reference/password.	-
UNB06.2	0..1	20	Recipient's reference/password qualifier. Valid values • 88 - PASSWORD • 44 - REFERENCE	-
UNB07	0..1	114	Application reference.	DELFOR
UNB08	0..1	11	Processing priority code.	-
UNB09	0..1	11	Acknowledgment request.	1
UNB10	0..1	135	Communication agreement ID.	-
UNB11	0..1	11	Test indicator.	1
UNH	1..1	-	Required: User Message Header.	-
UNH01	1..1	114	Required: Message Reference Number.	000000101
UNH02	1..1	-	Required: Message Identifier.	-
UNH02.1	1..1	16	Required: Message type identifier.	DELFOR
UNH02.2	0..1	13	Required: Message type version number.	0
UNH02.3	1..1	13	Required: Message type release number.	00A
UNH02.4	1..1	12	Required: Controlling agency.	UN
UNH02.5	0..1	16	Association assigned code.	-
UNH03	0..1	135	Common access reference.	-
UNH04	0..1	-	Status of the Transfer.	-
UNH04.1	1..1	88	Required: Sequence message transfer number.	-
UNH04.2	0..1	11	First/last sequence message transfer indication.	-
UNH04.3	0..1	-	Document/Message Name.	-
UNH04.4	0..1	-	Document/Message Name.	-
UNH04.5	1..1	13	Required: Document/message name, coded.	241
UNH04.6	0..1	13	Required: Delivery Schedule.	-
UNH04.7	0..1	13	Required: Code list qualifier.	-
UNH04.8	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.9	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.10	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.11	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.12	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.13	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.14	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.15	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.16	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.17	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.18	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.19	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.20	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.21	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.22	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.23	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.24	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.25	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.26	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.27	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.28	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.29	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.30	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.31	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.32	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.33	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.34	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.35	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.36	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.37	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.38	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.39	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.40	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.41	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.42	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.43	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.44	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.45	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.46	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.47	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.48	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.49	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.50	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.51	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.52	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.53	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.54	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.55	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.56	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.57	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.58	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.59	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.60	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.61	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.62	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.63	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.64	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.65	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.66	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.67	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.68	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.69	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.70	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.71	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.72	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.74	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.81	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.82	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.83	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.84	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.85	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.86	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.87	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.88	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.89	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.90	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.91	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.100	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.101	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.102	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.103	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.104	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.105	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.106	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.107	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.108	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.109	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.110	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.111	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.112	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.130	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.135	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.136	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.138	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.140	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.141	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.142	0..1	13	Required: Code list responsible agency, coded.	-
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UNH04.146	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.147	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.148	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.149	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.150	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.151	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.152	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.153	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.154	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.155	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.156	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.157	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.158	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.159	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.160	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.161	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.162	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.163	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.164	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.165	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.166	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.167	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.168	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.169	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.170	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.171	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.172	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.173	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.174	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.175	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.176	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.177	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.178	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.179	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.180	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.181	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.182	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.183	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.184	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.185	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.186	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.187	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.188	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.189	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.190	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.191	0..1	13	Required: Code list responsible agency, coded.	-
UNH04.192				

Input Element	Occurs	Length	Description	Example
			Country, coded + AF - Afghanistan + AX - Åland Islands + AL - Albania + DZ - Algeria + AE - 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 + BE - Belgium + BZ - Belize + BJ - Benin + BM - Bermuda + BT - Bhutan + BO - Bolivia, Plurinational State of + 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 + KM - 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 + CK - Cook Islands + CR - Costa Rica + CI - Côte 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 + GN - Guinea + GW - Guinea-Bissau + GY - Guyana + HT - Haiti + HM - Heard Island and McDonald Islands + IA - Holy See (Vatican City State) + HN - Honduras + HK - Hong Kong + HU - Hungary + IS - Iceland + IN - India + ID - Indonesia + IR - Iran, Islamic Republic of + 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 + KR - Korea, Republic of + KW - Kuwait + KG - Kyrgyzstan + LA - Lao People's Democratic Republic + LV - Latvia + LI - Liechtenstein + LS - Lesotho + LY - Libyan Arab Jamahiriya + LT - Lithuania + LU - Luxembourg + MO - Macao + MK - Macedonia, The Former Yugoslav Republic of + MG - Madagascar + MW - Malawi + MY - Malaysia + MV - Maldives + ML - Mali + MT - Malta + MH - Marshall Islands + MQ - Martinique + MR - Mauritania + MU - Mauritius + TT - Mayotte + MX - Mexico + FM - Micronesia, Federated States of + MD - Moldova, Republic of + 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 Barthélemy + SH - Saint Helena, Ascension and Tristan da Cunha + KN - Saint Kitts and Nevis + LC - Saint Lucia + MF - Saint Martin + MF - 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 + LA - St. Lucia + 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 + TH - Thailand + TL - Timor-Leste + TO - Tonga + TK - Tokelau + TD - Togo + TG - Togo + TT - Trinidad and Tobago + TN - Tunisia + TR - Turkey + TM - Turkmenistan + TC - Turks and Caicos Islands + TV - Tuvalu + VG - Virgin Islands + 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 + VN - Vietnam + VI - Virgin Islands, U.S. + WF - Wallis and Futuna + EH - Western Sahara + YE - Yemen + ZM - Zambia + ZW - Zimbabwe	

Input Element	Occurs	Length	Description	Example
CTA	0..5	-	CTA Contact Information.	-
CTAD1	1..1	1/3	Required. Contact function, coded. Valid values: BP - Responsible Party.	BP
CTAD2	0..1	-	Department or Employee Details.	-
CTAD2.1	0..1	1/17	Department or employee identification.	-
CTAD2.2	0..1	1/35	Department or employee.	Contact Person
COM	0..5	-	COM Communication Contact.	-
COM01	0..1	1/3	Required. Communication Information.	-
COM01.1	0..1	1/17	Communication Number.	50812345678
COM01.2	0..1	1/35	Communication channel qualifier.	TE
COM01.3	1..1	1/3	Required. Communication Information.	-
COM01.4	0..1	1/17	Communication Number.	xxx team@partner.co
COM01.5	0..1	1/35	Communication channel qualifier.	SA
CUM02	0..5	-	Required. Currency details qualifier. Valid values: 1 - Charge Payment Currency 2 - Reference Currency 3 - Target Currency 4 - Transport document currency 5 - Calculation base currency 6 - Information Currency 7 - Currency of the Account	-
CUM02.1	1..1	1/3		2
GEI	1..9999	-	Required. Processing Information.	-
LINE	1..9999	-	Required. Line Item - Child of GEI.	-
LN01	0..1	1/4	Item number.	15
LN02	0..1	1/3	Action requested/confirmation, coded.	-
LN03	0..1	-	Item Number Identification.	BT1210000010
LN03.1	0..1	1/25	Item number.	-
LN03.2	0..1	1/3	Item number type, coded. Valid values: + BC - US National Drug Code NDC442 with hyphen-separators + BD - US National Drug Code NDC532 with hyphen-separators + BE - US National Drug Code NDC541 with hyphen-separators + BF - US National Drug Code NDC542 with hyphen-separators + BP - Buyer's product identifier + BR - Customer/Buyer's product item number + PE - Manufacturer's product identifier. + SK - Stock keeping unit + UP - Universal product number (UPC) + WK or WP - Supplier's catalog number	VN
LN03.3	0..1	1/3	Code list qualifier.	-
PIA	0..25	-	Additional Product ID.	-
PIA01	1..1	1/3	Required. Product ID function qualifier. Valid value is S - Product Identification.	S
PIA02	0..1	1/35	Required. Item Number Identification.	ABBD
PIA02.1	0..1	1/25	Item number.	-
PIA02.2	0..1	1/3	Item number type, coded. Valid values: + BC - US National Drug Code NDC442 with hyphen-separators + BD - US National Drug Code NDC532 with hyphen-separators + BE - US National Drug Code NDC541 with hyphen-separators + BF - US National Drug Code NDC542 with hyphen-separators + BP - Buyer's product identifier + BR - Customer/Buyer's product item number + PE - Manufacturer's product identifier. + SK - Stock keeping unit + UP - Universal product number (UPC) + WK or WP - Supplier's catalog number	VN
PIA02.3	0..1	1/3	Code list qualifier.	-
PROD	0..99	-	Item description.	-
PROD1	0..1	1/3	Item description type, coded.	P
PROD2	0..1	1/3	Item characteristics, coded.	-
PROD3	0..1	-	Item description.	-
PROD3.1	0..1	1/17	Item description identification.	-
PROD3.2	0..1	1/3	Code list qualifier.	-
PROD3.3	0..1	1/3	Code list responsible agency, coded.	-
PROD3.4	0..1	1/35	Item description.	Product description 1
LOC	0..999	-	Item description.	-
LOC	0..999	-	Place location identification.	-
LOC01	0..1	1/3	Location function code qualifier. 11 - Placeport of discharge 19 - Plant identifier 159 - Additional internal destination.	-
LOC02	0..1	-	Location identification.	-
LOC02.1	0..1	1/35	Location identifier.	-
LOC02.2	0..1	1/3	Code list identification code.	-
LOC02.3	0..1	1/3	Code list responsible agency code.	-
LOC02.4	0..1	1/3	Location Name.	-
REF	0..99	-	Reference. Note: There can only be one plant identifier and it will be in the LOC segment or the RFF segment. If both are sent, only one will get picked up.	-
RFF01	1..1	-	Required. Reference.	-
RFF01	1..1	1/3	Required. Reference qualifier. Expected values: PE - Plant Number OR - Order Number	PE
RFF01.2	0..1	1/78	Reference number.	2756999
RFF01.3	0..1	1/25	Line number.	-
RFF01.4	0..1	1/25	Reference version number.	-
QTY	0..10	-	Required. Quantity.	-
QTY01	1..1	-	Required. Quantity details.	5
QTY01	1..1	1/3	Required. Quantity qualifier. Valid values: + 1 - Discrete + 17 - Onhand, Onhand, Order + 21 - Item, Lading + 47 - Invoice + 48 or 78 - Received + 52 - Packaged, Pricing Unit, Purchase Order, Quotestimed + 53 - Minimum order, Net + 57 - Intransit + 64 - Scrap, Ship to date + 66 - Committed + 71 - Outstanding, Over + 113 - Delivered + 119 - Short, Stock keeping, Unusable + 124 - Damaged + 131 - Delivery, Gross, Held + 188 - Minimum make to order, Minimum delivery + 189 - Rejected, Returned Note: If none of the above are sent, 21 is the default.	21
QTY01.2	0..1	1/15	Required. Quantity.	6
QTY01.3	0..1	1/3	Measure unit qualifier.	BA
DTM	0..10	-	Date.	-
DTM01	0..1	-	Required. Date/Time/Period.	-
DTM01	0..1	1/3	Required. Date/Time/Period qualifier. Valid values: + Delivery datetime, requested + Order datetime 18 or 318 - Requested shipment date + Shipped 17 - Estimated Delivery 25 - Delivery 37 - Ship Not Before 38 - Ship Not Later 40 - Cancellation datetime 50 - Goods Receipt 67 - Scheduled Delivery + Manufacture 137 - Document Date 153 - Cancellation datetime, latest 157 or 194 - End Date 206 - Start Date	-
DTM01.2	0..1	4/8	Date.	20230304
DTM01.3	0..1	4/8	Date/Time/Period format qualifier. Valid value: 182 - YYYYMMDD format 204 - YYYYMMDDHHMMSS	102
RFF	0..99	-	Reference.	-
RFF01	1..1	-	Required. Reference.	-
RFF01.1	1..1	1/3	Required. Reference qualifier. Expected values: AAK - Dispatch advice number	AAK
RFF01.2	0..1	1/78	Reference number.	DESNUM123
RFF01.3	0..1	1/6	Line number.	-
RFF01.4	0..1	1/25	Reference version number.	-
SCC	0..999	-	Scheduling Conditions.	-
SCC01	1..1	-	Required. Delivery plan commitment level code: 1 - Firm 4 - Planning/Forecast	-
SCC02	0..1	-	Required. Delivery instruction code.	-
SCC03	0..1	-	Required. Pattern Description.	-
SCC03.1	0..1	4/8	Frequency code: M - Monthly W - Weekly D - Daily	-
QTY	0..999	-	Quantity. Note: QTY Loop contains QTY and DTM.	-
QTY01	1..1	-	Required. Quantity details.	5
QTY01	1..1	1/3	Required. Quantity qualifier. Valid values: 1 - DISCRETE 3 - CUMULATIVE 21 - ITEM (Ordered quantity) 113 - DELIVERED	21
QTY01.2	1..1	1/35	Required. Quantity.	-
QTY01.3	0..1	1/8	Measure unit qualifier.	-
DTM	0..9	-	Date.	-
DTM01	1..1	-	Required. Date/Time/Period.	-
DTM01	1..1	1/3	Required. Date/Time/Period qualifier. Valid values: 2 - Delivery datetime, requested 157 - Start Date 206 - End Date	-
DTM01.2	0..1	1/35	Date.	-

Input Element	Occurs	Length	Description	Example
DTM01:00:1	1	1/3	Date/Time/Period format, qualifier: valid value: + 102: YYYYMMDD format + 104: YYYYMMDDHHMMSS Required: UNT Message Trailer (UNT, UNT continuation)	.
UN01	1..*	1/4	Required: Number of segments in a message, starting with UNT and ending with UNT.	40
UN02	1..1	1/4	Required: Message reference number.	1
UNZ	1..1	1/4	Required: UNT - UNT interchange control trailer message. Only one interchange expected per transmission.	1
UN011	1..1	1/5	Required: Interchange control count.	1
UN012	1..1	1/4	Required: Interchange control reference.	1

Example

```

UNB+UNOB:1+SENDER1:14:ZZUK+RECEIVER1:1:ZZUK+231020:1701+131+XYZ:AA+DEL
FOR++1++I '
UNH+000000101+DELFOR:D:96A:UN+0001+10:F '
BGM+241:s25:302:s27+2738662+11 '
DTM+137:20230304:102 '
DTM+4:20240307:102 '
DTM+67:20230305150412:204 '
DTM+157:20230306160412:204 '
DTM+194:20230404 '
DTM+206:20230504 '
RFF+CT:2738999:1:123 '
RFF+BC:2738888:2:321 '
RFF+DM:2738777:3:456 '
RFF+ON:2738666:4:654 '
RFF+RE:2738555:5:789 '
RFF+VC:2738444:6:987 '
RFF+VN:2738333:7:111 '
NAD+BY+8716106198368::16++Kramp Groep BV 07+Zone Republique
I:address2_by+Poitiers Cedex+state_by+860 00+FR '
CTA+RP+:Contact_Buyer '
COM+1234567890:TE '
COM+buyer_em@gmail.com:EM '
NAD+ST+8716106198405::164++Kramp Groep B.V. 07+P.0 Box
248:address2_st+Leek+state_st+9350-AE+NL '
CTA+RP+:Contact_shipto '
COM+2345678901:TE '
COM+shipTo_em@gmail.com:EM '
NAD+SF+8712199999999::91++ShipFromName+ShipFrom
Street:address2_sf+ShipFromCity+state_sf+Postalcode_SF+US '
CTA+RP+:Contact_shipFrom '
COM+3456789012:TE '
COM+shipFrom_em@gmail.com:EM '
NAD+SU+8712199999999::92++Supplier Name+Supplier
Street:address2_su+SuppliCity+state_su+Postalcode_SU+US '
CTA+RP+:Contact_supplier '
COM+4567890123:TE '
COM+supp_em@gmail.com:EM '
GEI+5 '
LIN+10++8712100000010:VN '
PIA+5+GF80:BD '
PIA+5+IJ80:BE '

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PIA+5+KL80:BF '
PIA+5+MN80:BP '
PIA+5+OP80:MF '
PIA+5+QR80:VN '
PIA+5+ST80:VP '
PIA+5+UV80:SK '
PIA+5+WX80:UP '
PIA+5+YZ80:BB '
IMD+F++:::Product description 1 '
IMD+F++:::Product description 2 '
IMD+F++:::Product description 3 '
LOC+11+ABC123:::100 '
LOC+19+TOR2 '
RFF+PE:2738999 '
RFF+ON:2160B '
RFF+PK:2160C '
QTY+21:10:EA '
DTM+2:20230304:102 '
DTM+4:20230307:102 '
RFF+AAK:2160D '
QTY+52:10:PCE '
DTM+11:20230305150412:204 '
DTM+17:20230306160412:204 '
RFF+AAK:2160E '
QTY+48:5:UN '
DTM+35:20230404 '
DTM+37:20230504 '
RFF+AAK:2160F '
QTY+70:5:CT '
DTM+38:20230304:102 '
DTM+46:20230307:102 '
QTY+71:20:CA '
DTM+50:20230305150412:204 '
QTY+73:10:EA '
DTM+10:20230504 '
SCC+1+AA+W '
QTY+1:896:PCE '
DTM+2:20230304:102 '
DTM+157:20230304:102 '
DTM+206:20250304133212:204 '
QTY+3:996:EA '
QTY+21:796:CP '
QTY+113:696:PCE '
SCC+2+BK+W '
QTY+1:806:PCE '
DTM+2:20240304:102 '

DTM+157:20230304:102 '

DTM+206:20250304133212:204 '

QTY+3:906:EA '

QTY+21:706:CP '

QTY+113:606:PCE '

UNT+118+s105 '

UNZ+106+s107 ' '



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