TRACELINK UNIVERSITY

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. These Forecasts Plan Response are used by suppliers to inform their Partners about their ability to meet the Partners' anticipated demand for specific products and quantities.

The Forecast Plan Response IDoc message is sent from the supplier to the buyer and communicates the supplier's ability to meet the buyers' 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_RESPONSE (Forecast Plan Response)
- **IDoc Format**: DELFOR.DELFOR02
- **Transform Names**:
  - B2B_IDoc_DELFOR_DELFOR02_ForecastPlanResponse_IB_V3
  - B2B_IDoc_DELFOR_DELFOR02_ForecastPlanResponse_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
IDOC	1...1	-	**Required.** IDoc root.	-

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Input Element	Occurs	Length	Description	Example
@BEGIN	1...1	0/*	**Required.** Begin of message attribute.	1
EDI_DC40	1...1	-	**Required.** IDoc control record.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TABNAM	0...1	0/*	IDoc table name.	EDI_DC40
MANDT	0...1	0/3	Client.	300
DOCNUM	1...1	1/16	**Required.** IDoc number.	0000000000619827
DOCREL	0...1	0/4	IDoc number.	0000000000619827
STATUS	0...1	0/2	Current IDoc processing status.	03
DIRECT	0...1	0/*	Direction.	1
OUTMOD	0...1	0/1	Output mode.	2
EXPRSS	0...1	0/1	Overriding in inbound processing.	-
TEST	0...1	0/1	Test flag.	-
IDOCTYP	0...1	0/30	IDoc basic type.	DELFOR
CIMTYP	0...1	0/*	Name of extension type.	-
MESTYP	0...1	0/*	Logical message type.	DELFOR02
MESCOD	0...1	0/3	Logical message code.	-
MESFCT	0...1	0/3	Logical message function.	-
STD	0...1	0/1	EDI standard.	-
STDVRS	0...1	0/6	Version of EDI standard.	-
STDMES	0...1	0/6	EDI message type.	-
SNDPOR	0...1	0/10	Sender port (SAP System, EDI subsystem).	SAPD11
SNDPRT	0...1	0/2	Partner type of sender.	LS
SNDPFC	0...1	0/2	Partner function of sender.	-
SNDPRN	0...1	0/10	Partner number of sender.	ERPCLNT302
SNDSAD	0...1	0/21	Sender address (SADR).	-
SNDLAD	1...1	1/70	**Required.** Logical address of sender. Require a value that concatenates party type with party identifier in party type format.	0010136941923
RCVPOR	0...1	0/10	SAP receiver port.	TRACELINK
RCVPRT	0...1	0/2	Partner type of receiver.	LS
RCVPFC	0...1	0/2	Partner function of receiver.	LS
RCVPRN	0...1	0/10	Partner number of receiver.	TRACELINK
RCVSAD	0...1	0/21	Receiver address (SADR).	-
RCVLAD	1...1	1/70	**Required.** Logical address of receiver. Required for TraceLink. Identifies the receiver of the IDoc for the TraceLink system's location ID. Must match the value that the IDoc sender has configured for their receiver partner in TraceLink.	3333331013655
CREDAT	1...1	8/8	**Required.** Date IDoc was created in format YYYYMMDD.	20230511
CRETIM	1...1	6/6	**Required.** Time IDoc was created in format HHMMSS.	161000
REFINT	0...1	0/14	Reference to interchange file.	-
REFGRP	0...1	0/14	Reference to message group.	-
REFMES	0...1	0/14	Reference to message.	-
ARCKEY	0...1	0/70	EDI archive key.	-
SERIAL	0...1	0/20	EDI/ALE: Serialization field.	-
E1EDK09	1...1	-	**Required.** IDoc header data for delivery schedule.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
VTRNR	1...1	0/35	**Required.** Contract number.	0081426104
BSTDK	0...1	0/8	Purchase order date in date format YYYYMMDD.	20240428
LABNK	0...1	0/17	Customer number for forecast.	000458715698
ZEICH	0...1	0/70	Reference identifier of ordering party.	0081426104
ABRVW	0...1	0/3	Usage indicator.	123
ABNRA	0...1	0/17	Customer number for delivery schedule.	000458715698
ABNRD	0...1	0/8	Delivery schedule date in date format YYYYMMDD.	20240428
E1EDKA1	0...9999	-	E1EDKA1. For • sold-to or customer identifier and address information. • supplier party identifier and address information. • ship-to location identifier and address information.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
PARVW	0...1	0/3	Qualifier identifying customer party location data.	AG
PARTN	0...1	0/17	SAP partner number.	0001307782
LIFNR	0...1	0/17	Supplier number at customer location.	-
NAME1	0...1	0/35	Party name or description.	BLUE FERRET HEALTH
NAME2	0...1	0/35	Party name or description.	-
NAME3	0...1	0/35	Party name or description.	-

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Input Element	Occurs	Length	Description	Example
STRAS	0...1	0/35	Street name and house number 1.	5995 COMMERCE CENTER DR
STRS2	0...1	0/35	Street name and house number 2.	-
ORT01	0...1	0/35	Town or city.	GROVEPORT
PSTLZ	0...1	0/9	Postal code.	43125
LAND1	0...1	0/3	Country indicator (ISO alphanumeric).	US
TELF1	0...1	0/25	Telephone number.	6144096700
TELFX	0...1	0/25	Telephone number.	6144096751
SPRAS	0...1	0/1	Language key.	E
REGIO	0...1	0/3	Region, state code.	OH
E1EDK11	0...99999	-	Header text from the supplier.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TDNAME	0...1	0/4	Text reference or subject code.	000010
SPRAS	0...1	0/3	Language code for free text.	EN
TXT01	0...1	0/70	Free text array.	Now is the time ..
E1EDP10	1...9999	-	Item level details from component supplier.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
IDNKD	0...1	0/35	Customer's product code identifier.	00124857
ARKTX	0...1	0/35	Product description.	Pharma product

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Input Element	Occurs	Length	Description	Example
VRKME	0...1	0/3	Sales unit of measure for item detail level. **Valid values** • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PK – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	EA

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Input Element	Occurs	Length	Description	Example
KWERK	0...1	0/20	Customer plant identifier.	1001
DFABL	0...1	0/17	Unloading point at customer location.	-
VBRST	0...1	0/14	Customer's point of consumption.	-
BELNR	0...1	0/35	Identifier for last delivery received.	0085967425
LFIMG	0...1	0/15	Last schedule line quantity delivered.	35
VEMNG	0...1	0/15	Last schedule line quantity reserved.	-
LIDTL	0...1	0/8	Date of last delivrey posted by customer in date format YYYYMMDD.	20240428
LIFST	0...1	0/1	Delivery status key.	-
ABDAT	0...1	0/8	Reconciliation date for agreed accumulation in date format YYYYMMDD.	20240428
FZDIF	0...1	0/15	Difference between cumulative quantities.	25
AKUBM	0...1	0/15	Current cumulative quantity ordered.	1000
AKUEM	0...1	0/15	Current cumulative quantity received.	500
ABRAB	0...1	0/8	Delivery schedule valid from date in date format YYYYMMDD.	20240428
ABRBI	0...1	0/8	Delivery schedule valid to date in date format YYYYMMDD.	20240528
SCREL	0...1	0/2	Release schedule.	-
IDNLF	0...1	0/35	Supplier's product code identifier.	-
BSTDK	0...1	0/8	Customer purchase order date in date format YYYYMMDD.	20240328
LABNK	0...1	0/17	Customer identifier for forecast plan schedule.	0085967425
ABNRA	0...1	0/17	Customer identifier for forecast / delivery schedule.	-
ABNRD	0...1	0/8	Date of delivery schedule in date format YYYMMDD.	20240428
VTRNR	0...1	0/35	Contract number.	0085967425
POSEX	0...1	0/6	Purchase order line item number.	-
E1EDP15	0...9999	-	Item level text from component supplier.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TDNAME	0...1	0/4	Text reference or subject code.	000010
SPRAS	0...1	0/3	Language code for free text.	EN
TXT01	0...1	0/70	Free text array.	Now is the time ..
E1EDP16	0...9999	-	Schedule lines from component supplier.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
ETTYP	0...1	0/1	Schedule line type.	-
PRGRS	0...1	0/1	Forecast period type. Valid values: • D - DAY • W - WEEK • M - MONTH • F - INTERVAL If source not populated, default = D	D
EDATUV	0...1	0/8	Schedule line date from.	20240328
EZEIT	0...1	0/4	Schedule line time from.	-
EDATUB	0...1	0/8	Schedule line date to.	20240428
ETVTF	0...1	0/2	Schedule line distribution function.	-
WMENG	0...1	0/15	Released quantity.	1000
FZABR	0...1	0/15	Cumulative received quantity for the schedule line.	-
BSTAS	0...1	0/1	Requirements status key.	-
WDATUV	0...1	0/8	Scheduled goods issue from date.	-
WZEIT	0...1	0/4	Scheduled goods issue time.	-
WDATUB	0...1	0/8	Scheduled goods issue to date.	-
LDATUV	0...1	0/8	Planned goods receipt from date.	-
LZEIT	0...1	0/4	Planned goods receipt time.	-
LDATUB	0...1	0/8	Planned goods receipt to date.	-
BSTGRU	0...1	0/3	Reason for ordering.	-
E1EDPT2	0...*	-	Free-form Text Records at item level.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TDLINE	1...1	1/70	**Required.** Text line.	AT LEAST 80% REMAINING SHELF LIFE
TDFORMAT	0...1	0/2	Tag column.	*
E1EDS01	0...5	-	IDoc Summary Total Quantities and Amounts.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
SUMID	0...1	1/3	Qualifier for totals segment for shipping notification.	002
SUMME	0...1	0/18	Total value of sum segment.	89000
SUNIT	0...1	0/3	Total value unit for totals.	-
WAERQ	0...1	0/3	Currency.	USD

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Example

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<DELFOR02>
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        <EDI_DC40 SEGMENT="1">
            <TABNAM>EDI_DC40</TABNAM>
            <MANDT>300</MANDT>
            <DOCNUM>0000000000619827</DOCNUM>
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            <DIRECT>1</DIRECT>
            <OUTMOD>1</OUTMOD>
            <EXPRSS>1</EXPRSS>
            <TEST>X</TEST>
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            <CIMTYP></CIMTYP>
            <MESTYP>DELFOR02</MESTYP>
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            <MESFCT>FCT</MESFCT>
            <STD>S</STD>
            <STDVRS>STDVRS</STDVRS>
            <STDMES>DELFOR</STDMES>
            <SNDPOR>SAPD11</SNDPOR>
            <SNDPRT>LS</SNDPRT>
            <SNDPFC>SN</SNDPFC>
            <SNDPRN>ERPCLNT302</SNDPRN>
            <SNDSAD>SenAddr</SNDSAD>
            <SNDLAD>0010136941923</SNDLAD>
            <RCVPOR>TRACELINK</RCVPOR>
            <RCVPRT>LS</RCVPRT>
            <RCVPFC>LS</RCVPFC>
            <RCVPRN>TRACELINK</RCVPRN>
            <RCVSAD>RecAddr</RCVSAD>
            <RCVLAD>3333331013655</RCVLAD>
            <CREDAT>20230511</CREDAT>
            <CRETIM>161000</CRETIM>
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            <REFGRP>REFGRP</REFGRP>
            <REFMES>REFMES</REFMES>
            <ARCKEY>ARCKEY</ARCKEY>
            <SERIAL>SERIAL</SERIAL>
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            <BSTDK>20240428</BSTDK>
            <LABNK>000458715698</LABNK>
            <ZEICH>0081426104</ZEICH>
            <ABRVW>123</ABRVW>
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<ABNRA>000458715698</ABNRA>
<ABNRD>20240428</ABNRD>
<E1EDKA1 SEGMENT="1">
    <PARVW>AG</PARVW>
    <PARTN>0001307782</PARTN>
    <LIFNR>1234</LIFNR>
    <NAME1>BLUE FERRET HEALTH</NAME1>
    <NAME2>Name2</NAME2>
    <NAME3>Name3</NAME3>
    <STRAS>5995 COMMERCE CENTER DR</STRAS>
    <STRS2>AddresS_2_AG</STRS2>
    <ORT01>GROVEPORT</ORT01>
    <PSTLZ>43125</PSTLZ>
    <LAND1>US</LAND1>
    <TELF1>6144096700</TELF1>
    <TELFX>6144096751</TELFX>
    <SPRAS>E</SPRAS>
    <REGIO>OH</REGIO>
</E1EDKA1>
<E1EDKA1 SEGMENT="1">
    <PARVW>LF</PARVW>
    <PARTN>0123456926034</PARTN>
    <LIFNR>1234</LIFNR>
    <NAME1>Pharma Wholesale Supplier</NAME1>
    <NAME2>Name2</NAME2>
    <NAME3>Name3</NAME3>
    <STRAS>2522 Bellisarios Drive</STRAS>
    <STRS2>Main Floor</STRS2>
    <ORT01>South Miami</ORT01>
    <PSTLZ>33563</PSTLZ>
    <LAND1>US</LAND1>
    <TELF1>+1.786.432.3621</TELF1>
    <TELFX>+1.786.432.3622</TELFX>
    <SPRAS>E</SPRAS>
    <REGIO>FL</REGIO>
</E1EDKA1>
<E1EDKA1 SEGMENT="1">
    <PARVW>WE</PARVW>
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    <LIFNR>1234</LIFNR>
    <NAME1>BLUE FERRET HEALTH</NAME1>
    <NAME2>Name2</NAME2>
    <NAME3>Name3</NAME3>
    <STRAS>5995 COMMERCE CENTER DR</STRAS>
    <STRS2>Address_2_WE</STRS2>
    <ORT01>GROVEPORT</ORT01>
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            <PSTLZ>43125</PSTLZ>
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            <TELF1>6144096700</TELF1>
            <TELFX>6144096751</TELFX>
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            <REGIO>OH</REGIO>
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        <E1EDK11 SEGMENT="1">
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            <SPRAS>EN</SPRAS>
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        </E1EDK11>
        <E1EDP10 SEGMENT="1">
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            <KWERK>1001</KWERK>
            <VBRST>12345</VBRST>
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            <LFIMG>12354</LFIMG>
            <VEMNG></VEMNG>
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            <FZDIF>25</FZDIF>
            <AKUBM>1000</AKUBM>
            <AKUEM>500</AKUEM>
            <ABRAB>20240428</ABRAB>
            <ABRBI>20240528</ABRBI>
            <SCREL>SC</SCREL>
            <IDNLF>Supplier_1</IDNLF>
            <BSTDK>20240328</BSTDK>
            <LABNK>0085967425</LABNK>
            <ABNRA>1</ABNRA>
            <ABNRD>20240428</ABNRD>
            <VTRNR>0085967425</VTRNR>
            <POSEX>0010</POSEX>
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                <SPRAS>EN</SPRAS>
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            </E1EDP15>
            <E1EDP16 SEGMENT="1">
                <ETTYP>E</ETTYP>
                <PRGRS>D</PRGRS>
                <EDATUV>20240328</EDATUV>
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                    <EZEIT>1213</EZEIT>
                    <EDATUB>20240428</EDATUB>
                    <ETVTF>ET</ETVTF>
                    <WMENG>1000</WMENG>
                    <FZABR>100</FZABR>
                    <BSTAS>A</BSTAS>
                    <WDATUV>20240327</WDATUV>
                    <WZEIT>1212</WZEIT>
                    <WDATUB>20240427</WDATUB>
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                    <LZEIT>1211</LZEIT>
                    <LDATUB>20240426</LDATUB>
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                    <BSTAS>B</BSTAS>
                    <WDATUV>20240324</WDATUV>
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                    <LDATUV>20240323</LDATUV>
                    <LZEIT>1208</LZEIT>
                    <LDATUB>20240423</LDATUB>
                    <BSTGRU>RFO</BSTGRU>
                </E1EDP16>
            </E1EDP10>
        </E1EDK09>
    </IDOC>
</DELFOR02>
```

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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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Forecast plan (X12)

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