



TRACELINK UNIVERSITY

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Resources

TraceLink University

Batch creation (IDoc)

Batch creation records allow CMOs to exchange data with their Pharmaceutical Manufacturer Partners about specific lots of product they produce for the Pharmaceutical Manufacturer. Batch creation records contain the details for a lot of product (e.g. lot number, lot status, expiration date, and production date).

CMOs use batch creation records to communicate the details of a specific lot of product they produced to the Pharmaceutical Manufacturer that contracted them to manufacture it.



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

- **Message Type:** MPC_BATCH_MASTER (Batch Creation)
- **IDoc Format:** BATMAS03
- **Transform Names:**
 - B2B_IDoc_BATMAS_BATMAS03_BatchMaster_IB_V2
 - B2B_IDoc_BATMAS_BATMAS03_BatchMaster_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
BATMAS03	1...1	-	Required. XML IDoc DESADV root element.	-
IDOC	1...1	-	Required. IDoc root.	-
@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

Input Element	Occurs	Length	Description	Example
TABNAM	0...1	0/*	IDoc table name.	EDI_DC40
MANDT	0...1	0/3	Client.	300
DOCNUM	0...1	0/16	IDoc number.	0000000000619827
DOCREL	0...1	0/4	IDoc release number.	720
STATUS	0...1	0/*	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.	BATMAS03
CIMTYP	0...1	0/*	Name of extension type.	
MESTYP	0...1	0/*	Logical message type.	BATMAS
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	1...1	0/10	Required. Sender port (SAP System, EDI subsystem).	SAPD11
SNDPRT	1...1	0/2	Required. 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).	

Input Element	Occurs	Length	Description	Example
SNDLAD	0...1	0/70	Logical address of sender mapping to fileSenderNumber. Require a value that concatenates party type with party identifier in party type format. Valid Values • AM_TIN - Armenia Taxpayer Identification Number. • AR_CUIT - Argentina Tax ID. • BR_CNES - Brazil National Registry of Health Facilities Number. • BR_CNPJ - Brazil Tax or Legal Entity ID. • BR_CPF - Brazil Individual Taxpayer Registration Number. • BR_PROF_REG - Brazil Professional Registration Number. • BY_TIN - Belarus Taxpayer Identification Number. • CN_CHINA_ID - China identifier (alphanumeric). • CN_FOREIGN_MAH - China Foreign MAH ID. • CN_FOREIGN_MFR - China Foreign Manufacturer ID. • CN_USCID - China Unified Social Credit Identifier. • DE_IFA_REG_NUM - Informationsstelle für Arzneispezialitäten (IFA) Registration Number. • DEA - US Drug Enforcement Agency Number. • DUNS - Dunn and Bradstreet Number. • DUNS4 - Dunn and Bradstreet Number with 4 digit extension. • GCP - GS1 Global Company Prefix. • GLN - Global Location Number. • HIN - Health Industry Number assigned by HIBCC. • ID_BPOM_FACILITYID - Indonesia BPOM facility Identifier. • IN_COMPANY_ID - India Company ID. • IN_GSTN - India Goods and Services Tax ID. • IN_IEC - India Importer Exporter Code. • IN_LOCATION_ID - India Location ID. • IN_MFR - India Manufacturing Code. • IN_MRCH - India Merchant Exporter Code. • IN_PAN - India Permanent Account Number. • IN_TIN - India Taxpayer Identification Number. • KG_TIN - Kyrgyzstan Taxpayer Identification Number. • KR_BUS_REG_NUMBER - South Korea Corporate Registration Number. • KR_PROVIDER_CODE - South Korea Provider Code. • KZ_BIN - Kazakhstan Business Identification Number. • RU_ACCOUNT_NUMBER - Russia Account Number. • RU_INN_FOREIGN_ENTITY - Russia Foreign Business Taxpayer Identification Number. • RU_INN_INDIV - Russia Individual Taxpayer Identification Number. • RU_INN_KPP_TAX_CODE - Russia KPP Registration Code. • RU_INN_LOCAL_ENTITY - Russia Local Business Taxpayer Identification Number. • SGLN - SGLN format representation of Global Location Number. • TRACELINK_ID - TraceLink Identification Number. • UZ_TIN - Uzbekistan Taxpayer Identification Number	0010136941923

Input Element		Occurs	Length	Description	Example
	RCVPOR	1...1	0/10	Required. 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).	

Input Element	Occurs	Length	Description	Example
RCVLAD	0...1	0/70	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. Valid Values • AM_TIN - Armenia Taxpayer Identification Number. • AR_CUIT - Argentina Tax ID. • BR_CNES - Brazil National Registry of Health Facilities Number. • BR_CNPJ - Brazil Tax or Legal Entity ID. • BR_CPF - Brazil Individual Taxpayer Registration Number. • BR_PROF_REG - Brazil Professional Registration Number. • BY_TIN - Belarus Taxpayer Identification Number. • CN_CHINA_ID - China identifier (alphanumeric). • CN_FOREIGN_MAH - China Foreign MAH ID. • CN_FOREIGN_MFR - China Foreign Manufacturer ID. • CN_USCID - China Unified Social Credit Identifier. • DE_IFA_REG_NUM - Informationsstelle für Arzneispezialitäten (IFA) Registration Number. • DEA - US Drug Enforcement Agency Number. • DUNS - Dunn and Bradstreet Number. • DUNS4 - Dunn and Bradstreet Number with 4 digit extension. • GCP - GS1 Global Company Prefix. • GLN - Global Location Number. • HIN - Health Industry Number assigned by HIBCC. • ID_BPOM_FACILITYID - Indonesia BPOM facility Identifier. • IN_COMPANY_ID - India Company ID. • IN_GSTN - India Goods and Services Tax ID. • IN_IEC - India Importer Exporter Code. • IN_LOCATION_ID - India Location ID. • IN_MFR - India Manufacturing Code. • IN_MRCH - India Merchant Exporter Code. • IN_PAN - India Permanent Account Number. • IN_TIN - India Taxpayer Identification Number. • KG_TIN - Kyrgyzstan Taxpayer Identification Number. • KR_BUS_REG_NUMBER - South Korea Corporate Registration Number. • KR_PROVIDER_CODE - South Korea Provider Code. • KZ_BIN - Kazakhstan Business Identification Number. • RU_ACCOUNT_NUMBER - Russia Account Number. • RU_INN_FOREIGN_ENTITY - Russia Foreign Business Taxpayer Identification Number. • RU_INN_INDIV - Russia Individual Taxpayer Identification Number. • RU_INN_KPP_TAX_CODE - Russia KPP Registration Code. • RU_INN_LOCAL_ENTITY - Russia Local Business Taxpayer Identification Number. • SGLN - SGLN format representation of Global Location Number. • TRACELINK_ID - TraceLink Identification Number. • UZ_TIN - Uzbekistan Taxpayer Identification Number.	3333331013655

Input Element		Occurs	Length	Description	Example
	CREDAT	0...1	8/8	Date IDoc was created in format YYYYMMDD.	20230511
	CRETIM	0...1	6/6	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.	-
	DOCNUM	0...1	0/16	IDoc number mapping to required JSON header key attribute "id".	0000000000619827
	E1BATMAS	1...1	-	Required. Batch master header segment.	-
	@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
	MATERIAL	0...1	0/18	Product code for batch master.	PH-4100
	BATCH	0...1	0/10	Lot or batch identifier.	0000000632
	PLANT	0...1	0/4	Plant identifier.	4123
	BATCHSTORAGELOCATION	0...1	0/4	Storage location for batch or lot.	5682
	MATERIAL_LONG	0...1	0/40	Alternate identifier for product code - long identifier.	0000000098756410076453
	E1BPBATCHATT	0...1	-	Batch attributes BAPI transfer structure.	-
	@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
	AVAILABLE	0...1	0/8	Availability date for lot in date format YYYYMMDD.	20240226
	EXPIRYDATE	0...1	0/8	Shelf-life expiration or best before date for lot in date format YYYYMMDD.	20240226
	STATUSKEY	0...1	0/1	Batch or lot status key.	1
	VENDOR_NO	0...1	0/10	Supplier/vendor identifier.	0000458678
	VENDRBATCH	0...1	0/15	Supplier lot or batch number.	X3542Z1756r8juf
	VAL_TYPE	0...1	0/10	Valuation type.	1
	LASTGRDATE	0...1	0/8	Date of last goods receipt in date format YYYYMMDD.	20240226
	FREE_DATE1	0...1	0/8	Free date instance 1 in date format YYYYMMDD.	20240226
	FREE_DATE2	0...1	0/8	Free date instance 2 in date format YYYYMMDD.	20240226
	FREE_DATE3	0...1	0/8	Free date instance 3 in date format YYYYMMDD.	20240226
	FREE_DATE4	0...1	0/8	Free date instance 4 in date format YYYYMMDD.	20240226
	FREE_DATE5	0...1	0/8	Free date instance 5 in date format YYYYMMDD.	20240226
	FREE_DATE6	0...1	0/8	Free date instance 6 in date format YYYYMMDD.	20240226
	COUNTRYORI	0...1	0/3	Country of origin.	US
	COUNTRYORI_ISO	0...1	0/2	Country of origin ISO code.	US
	REGIONORIG	0...1	0/3	Region of origin.	CA
	EXPIMPGRP	0...1	0/4	Material group export for foreign trade.	
	NEXTINSPEC	0...1	0/8	Next inspection date in date format YYYYMMDD.	20240226
	PROD_DATE	0...1	0/8	Production or manufacturing date in date format YYYYMMDD.	20240226
	DEL_FLAG	0...1	0/1	Deletion flag.	-
	STK_SEGMENT	0...1	0/16	Stock segment.	-
	E1BPBATCHATTX	0...1	-	Checkbox structure for batch attributes - not mapped IB.	-
	@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
	AVAILABLE	0...1	0/1	Updated information in related user data field for availability date.	X
	EXPIRYDATE	0...1	0/1	Updated information in related user data field for expiration date.	X
	STATUSKEY	0...1	0/1	Updated information in related user data field for lot status key.	X
	VENDOR_NO	0...1	0/1	Updated information in related user data field for supplier identifier.	X
	VENDRBATCH	0...1	0/1	Updated information in related user data field for supplier lot.	X
	VAL_TYPE	0...1	0/1	Updated information in related user data field for valuation type.	X
	LASTGRDATE	0...1	0/1	Updated information in related user data field for date of last goods receipt.	X
	FREE_DATE1	0...1	0/1	Updated information in related user data field for free date 1.	X
	FREE_DATE2	0...1	0/1	Updated information in related user data field for free date 2.	X

Input Element	Occurs	Length	Description	Example
FREE_DATE3	0...1	0/1	Updated information in related user data field for free date 3.	X
FREE_DATE4	0...1	0/1	Updated information in related user data field for free date 4.	X
FREE_DATE5	0...1	0/1	Updated information in related user data field for free date 5.	X
FREE_DATE6	0...1	0/1	Updated information in related user data field for free date 6.	X
COUNTRYORI	0...1	0/1	Updated information in related user data field for country of origin.	X
COUNTRYORI_ISO	0...1	0/1	Updated information in related user data field for country of origin ISO code.	X
REGIONORIG	0...1	0/1	Updated information in related user data field for region of origin.	X
EXPIMPGRP	0...1	0/1	Updated information in related user data field for material export group.	X
NEXTINSPEC	0...1	0/1	Updated information in related user data field for next inspection date.	X
PROD_DATE	0...1	0/1	Updated information in related user data field for production date.	X
DEL_FLAG	0...1	0/1	Updated information in related user data field for deletion flag.	X
STK_SEGMENT	0...1	0/1	Updated information in related user data field for stock segment.	X
E1BPBATCHSTATUS	0...1	-	Checkbox structure for batch status.	-
@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
RESTRICTED	0...1	0/1	Batch in restricted use stock.	X
E1BPBATCHSTATUSX	0...1	-	Checkbox structure for batch status.	-
@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
RESTRICTED	0...1	0/1	Batch in restricted use stock.	X
E1BPBATCHCTRL	0...1	-	Batch or lot check parameters.	-
@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
BATCHLEVEL	0...1	0/1	Definition of batch or lot management level indicator.	1
CLASS_NUM	0...1	0/18	Class number.	-
DOCLASSIFY	0...1	0/1	Classify object.	-
CALLCFC_CL	0...1	0/1	Extended classification via CFC.	-
ORG_SYS_OF_BATCH	0...1	0/10	Original system for batch or lot distribution.	-
SND_SYS_OF_BATCH	0...1	0/10	Sending system for batch or lot distribution.	-
NO_CFC_CALLS	0...1	0/1	Suppress calls to user exits.	-
NOCOMMIT	0...1	0/1	COMMIT control of BAPI interface.	-
E1BPBNCOM	0...1	-	Batch or lot check parameters.	-
@SEGMENT	1...1	0/*	Required. Begin of segment attribute.	1
VENDOR_NO	0...1	0/10	Vendor identifier.	1
VENDRBATCH	0...1	0/15	Vendor batch identifier.	-
PURCH_ORG	0...1	0/4	Purchasing organization.	-
SALES_ORD	0...1	0/10	Supplier's sales order number.	-
S_ORD_ITEM	0...1	0/6	Supplier sales order line item number.	-
PO_NUMBER	0...1	0/10	Purchase order number mapping to BATCHMASTER transaction type.	4500020001
PO_ITEM	0...1	0/5	Purchase order line item number mapping to BATCHMASTER transaction type.	-
PO_NUMBER	0...1	0/10	Purchase order number mapping to PURCHASEORDER.	4500020001
PO_ITEM	0...1	0/5	Purchase order line item number mapping to PURCHASEORDER.	-
ORDERID	0...1	0/10	Production order number.	-
ORDER_ITNO	0...1	0/4	Production order line item number.	-

Example

<BATMAS03>

<IDOC BEGIN="1">

```
<EDI_DC40 SEGMENT="1">
  <TABNAM>EDI_DC40</TABNAM>
  <MANDT>CLT</MANDT>
  <DOCNUM>filecontrol</DOCNUM>
  <DOCREL>DocR</DOCREL>
  <DIRECT>2</DIRECT>
  <TEST>X</TEST>
  <IDOCTYP>BATMAS03</IDOCTYP>
  <MESCOD>777</MESCOD>
  <MESFCT>MFC</MESFCT>
  <STD>s</STD>
  <STDVRS>s8</STDVRS>
  <STDMES>s9</STDMES>
  <SNDPOR>sdSysPort</SNDPOR>
  <SNDPRT>PC</SNDPRT>
  <SNDPFC>PF</SNDPFC>
  <SNDPRN>s55</SNDPRN>
  <SNDLAD>GLN:4929474111400</SNDLAD>
  <RCVPOR>recvPort</RCVPOR>
  <RCVPRN>s56</RCVPRN>
  <RCVLAD>GLN:5236323992387</RCVLAD>
  <CREDAT>20240101</CREDAT>
  <CRETIM>123122</CRETIM>
  <REFINT>intControlID</REFINT>
  <REFGRP>grpCtlID</REFGRP>
  <REFMES>transControlID</REFMES>
  <ARCKEY>archiveReferenceIdentifier</ARCKEY>
  <SERIAL>serializationSeq</SERIAL>
</EDI_DC40>
<E1BATMAS SEGMENT="1">
  <MATERIAL>productCode</MATERIAL>
  <BATCH>lotNumber</BATCH>
  <PLANT>PLT1</PLANT>
  <BATCHSTORAGELOCATION>LOC9</BATCHSTORAGELOCATION>
  <MATERIAL_LONG>productCodeAlternate</MATERIAL_LONG>
  <E1BPBATCHATT SEGMENT="1">
    <AVAILABLE>20231210</AVAILABLE>
    <EXPIRYDATE>20301231</EXPIRYDATE>
    <STATUSKEY>1</STATUSKEY>
    <VENDOR_NO>supplierID</VENDOR_NO>
    <VENDRBATCH>supplierLotNum</VENDRBATCH>
    <VAL_TYPE>valType</VAL_TYPE>
    <LASTGRDATE>20240103</LASTGRDATE>
    <FREE_DATE1>20231001</FREE_DATE1>
    <FREE_DATE2>20240301</FREE_DATE2>
    <FREE_DATE3>20231210</FREE_DATE3>
```

```
<FREE_DATE4>20240228</FREE_DATE4>
<FREE_DATE5>20240131</FREE_DATE5>
<FREE_DATE6 />
<COUNTRYORI>US</COUNTRYORI>
<COUNTRYORI_ISO>JP</COUNTRYORI_ISO>
<REGIONORIG>MA</REGIONORIG>
<NEXTINSPEC>00000000</NEXTINSPEC>
<PROD_DATE>20231104</PROD_DATE>
<DEL_FLAG />
</E1BPBATCHATT>
<E1BPBATCHSTATUS SEGMENT="1">
  <RESTRICTED>R</RESTRICTED>
</E1BPBATCHSTATUS>
<E1BPBATCHCTRL SEGMENT="1">
  <BATCHLEVEL>7</BATCHLEVEL>
  <DOCLASSIFY>X</DOCLASSIFY>
</E1BPBATCHCTRL>
<E1BPBNCOM>
  <ORDERID>OR-4562</ORDERID>
  <ORDER_ITNO>0051</ORDER_ITNO>
</E1BPBNCOM>
</E1BATMAS>
</IDOC>
</BATMAS03>
```



Review TraceLink's **API: Terms of Use**

Related Content



Batch creations

Batch creation records allow CMOs to exchange data with their Pharmaceutical Manufacturer Partners about specific lots of product they produce for the Pharmaceutical Manufacturer.

[View More](#)



Batch creation transactions

Batch creation records allow CMOs to exchange data with their Pharmaceutical Manufacturer Partners about specific lots of product they produce for the Pharmaceutical Manufacturer.

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Batch closures

Batch closure is the formal completion of all production activities for a specific batch, including final manufacturing steps, quality testing, and documentation approval.

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