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Batch creation canonical guidelines

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).

Canonical guidelines

Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping
data	-	JSon object type/root element.	-	-
controlFileHeader	-	Canonical control file header to store data for control segments and envelopes of IDocs, and X12 and EDIFACT EDI messages.	-	-
messageBody	-	Payload for batch master canonical data	-	-
canonicalBatchMasterMessage	-	Batch Master transaction header	-	-
productCode	string	Product code for batch master	E1BATMAS/MATERIAL	-
productCodeAlternate	string	Alternate identifier for product code	E1BATMAS/MATERIAL_LONG	-
supplierIdentifier	string	Supplier identifier	E1BPBATCHATT/VENDOR_NO	-
lotNumber	string	Lot or batch identifier	E1BATMAS/BATCH	-
lotStatus	string	Lot or batch status key. Indicates lot is restricted or unrestricted in SAP.	E1BPBATCHATT/STATUSKEY	-
supplierLotNumber	string	Supplier's lot or batch number	E1BPBATCHATT/VENDRBATCH	-
plantIdentifier	string	Plant identifier	E1BATMAS/PLANT	-

Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping
	storageLocation	string	Storage location for batch	E1BATMAS/BATCHSTORAGELOCATION	-
	countryOfOrigin	-	Country and region of origin type definition	-	-
	country	string	Country of origin. Specify that we expect ISO code for country of origin.	E1BPBATCHATT/COUNTRYORI	-
	state	string	State or region within country of origin	E1BPBATCHATT/REGIONORIG	-
	isForDeletion	boolean	Delete flag for lot or batch	E1BPBATCHATT/DEL_FLAG	-
	valuationType	string	Valuation type for lot or batch	E1BPBATCHATT/VAL_TYPE	-
	restrictedUseStatus	string	Lot or batch in restricted use status flag.	E1BPBATCHSTATUS/RESTRICTED (mapped IN, OB) E1BPBATCHSTATUSX/RESTRICTED (hard code X OB)	-
	lotLevel	string	Indicator that defines lot or batch management level	E1BPBATCHCTRL/BATCHLEVEL	-
	isClassifyObject	boolean	Classify object flag. Valid values: • True - Classify object • False - Do not classify object (default)	E1BPBATCHCTRL/DOCLASSIFY	-
	mpcDates	array	Dates relevant for the batch master	-	-
	dateType	string	Date type. Valid values for batch master: • AVAILABILITY • EXPIRATION • LASTGOODSRECEIPT • FREEDATE1 • FREEDATE2 • FREEDATE3 • FREEDATE4 • FREEDATE5 • FREEDATE6 • NEXTINSPECTION • MANUFACTURING	Defines field to be mapped in IDoc	-

Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD. Dates will be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in IDoc date and time fields.	<ul style="list-style-type: none"> • E1BPBATCHATT/AVAILABLE • E1BPBATCHATT/EXPIRYDATE • E1BPBATCHATT/LASTGRDATE • E1BPBATCHATT/FREE_DATE1 • E1BPBATCHATT/FREE_DATE2 • E1BPBATCHATT/FREE_DATE3 • E1BPBATCHATT/FREE_DATE4 • E1BPBATCHATT/FREE_DATE5 • E1BPBATCHATT/FREE_DATE6 • E1BPBATCHATT/NEXTINSPEC • E1BPBATCHATT/PROD_DATE 	-
timeZone	string	Time zone for referenced dates.	-	-
lotCharacteristics	array	Lot or batch characteristics name/value pairs used in custom IDoc segment.	Maps from custom IDoc segment	-
characteristicName	string	Name of lot characteristic.	Y1M_BPBATCCHAR/ATNAM	-
characteristicValue	string	Value of lot characteristic.	Y1M_BPBATCCHAR/ATWRT	-
lotAttributes	-	Dates relevant for the batch master.	Maps from custom IDoc segment	-
plantIdentifier	string	Plant identifier for lot attributes.	Y1M_BPBATCATT/WERKS	-
authorizationGroup	string	Material authorization group for activities in QM.	Y1M_BPBATCATT/QMATA	-
laboratory	string	Laboratory/design office.	Y1M_BPBATCATT/WERKS	-
description	string	Description of the laboratory/engineering office.	Y1M_BPBATCATT/LBTXT	-
email	string	Email address of laboratory/engineering office.	Y1M_BPBATCATT/EMAIL	-
transactionReferencelIdentifierList	array	Transaction references for purchase order number used in the custom IDoc segment.	-	-
b2bTransactionIdentifierType	string	Referenced document type. Valid value is PURCHASEORDER.	b2bTransactionIdentifierType = PURCHASEORDER	-
b2bTransactionIdentifierValue	string	Purchase order number for lotAttributes.	Y1M_BPBATCATT/EBELN	-
transactionDate	string	Date transaction created.	-	-

Canonical Element				Type Definition	Description	IDoc mapping	X12 mapping
			lineItemNumber	string	Line item number in customer purchase order. Line item level only.	-	-
			freeTextNote	array	Free text, instructions, notes, descriptions and other free text elements.	Maps from custom IDoc segment	-
			textReferenceCode	string	Text reference or subject code. Will map whatever is found.	-	-
			textFunctionCode	string	Text function code. Will map whatever is found.	-	-
			language	string	Language of free text.	-	-
			textFormatCode	string	Format code for free text.	-	-
			freeFormText	string, array	Free text array.	Y1M_BPBATC TXT/TDLIN E	-