

# SEPA transfer batches in XML format



The purpose of this document is to describe the structure and usage of the SEPA XML format that is used to import SEPA transfers to the ČSOB CEB service.

This format can be only used to import SEPA transfers.

The format does not have any special requirements on file name or file extension (.XML extension is recommended). To import a batch of SEPA transfers, select Payments – Import option in the application or use quick links on the main page. The format is represented by the acronym SEPA XML in the application.

## File contents

SEPA XML format is defined by ISO standard pain.001.001.03 (can be found at [iso20022.org](http://iso20022.org)), or by CZ specific description from Czech Banking Association (available at [czech-ba.cz](http://czech-ba.cz)). File content follows appropriate XSD (scheme).

Taking into account that not all ISO defined fields are necessarily used for SEPA transfer processing in ČSOB, this format focuses on processing of relevant fields and their occurrence or their omission within file when importing to the ČSOB CEB service.

For the SEPA transfer attributes, following character set can be used:

a b c d e f g h i j k l m n o p q r s t u v w x y z

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

/ - ? : ( ) . , ' + & { }

space

## File structure

XML format in general uses tags (elements) to define values – either other tags or attributes of a file, batch or specific transaction. The structure of the file is described in a table summarizing these tags, for each of them following detail is provided:

- Level: sets level on which the tag appears, providing information on tags hierarchy.
- <XML tag>: exact tag definition and syntax.
- Description: tags description and business rules for its usage.
- Contents: length and format information on tag's content (line in case tag does not bear piece of information itself).
- Required (req.): information on whether tag is mandatory or can be omitted.
- Processing (proc.): information on whether the value provided by this tag is interpreted and processed in SEPA transfer.

For better transparency, the definition is split to:

- File header and body with SEPA transfers.
- Selected blocks used in more occurrences within file:
  - party identification,
  - financial institution identification,
  - cash account (identification).

The file is imported as a batch if not set otherwise by the user setting up the import. Number of batches created out of single file is given by number of debit accounts within file – for each debit account, one batch is created.

## SEPA transfers file

Level	<XML TAG>	Description	Contents	Req.	Proc.
-	<?xml version="1.0" encoding="utf-8"?>	Information on XML version and encoding: – XML version should be always 1 – recommended encoding is UTF-8 (can be other) Standalone tag – has no closing tag	-	x	
-	<Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03">	Document information, standard being used plus scheme. Beginning of the document, has closing tag at the very end	-	x	
+	<CstmrCdtTrfInIt>	Beginning of the file	-	x	
+	<GrpHdr>	File (group) header	-	x	
++	<MsgId>	File (message) ID – unique ID generated by accounting or similar software	up to 35 chars	x	

++	<CreDtTm>	Date and time of file creation, YYYY-MM-DDTHH:mm:SS format	ISO date and time format	x	
++	<NbOfTxS>	Total number of transactions within file (integrity check, has to be equal to real number of trx)	whole number up to 15 digits	x	
++	<CtrlSum>	Total sum of transactions within file (integrity check, has to be equal to real sum of trx)	number, max. 2 decimals, decimal point	x	
++	<InitgPty>	Initiating party identification	<u>party identification</u>	-	
+	<PmtInf>	Information on batch of SEPA transfers (file can contain 1 to <i>n</i> batches)	-	x	
++	<PmtInflD>	Batch identification	up to 35 chars	x	
++	<PmtMtd>	Payment method for transfers, codeword <i>TRF</i> is used	3-chars codeword	x	
++	<BtchBookg>	File processing setup – <i>true</i> or <i>1</i> for batch processing, <i>false</i> or <i>0</i> for processing of single orders. Note that this parameter is not taken into account in ČSOB CEB – user sets processing method within import process	processing code	-	
++	<NbOfTxS>	Total number of transactions within batch (integrity check, has to be equal to real number of trx)	whole number up to 15 digits	x	
++	<CtrlSum>	Total sum of transactions within batch (integrity check, has to be equal to real sum of trx)	number, max. 2 decimals, decimal point	x	
++	<PmtTpInf>	Payment type information	-	-	
+++	<InstrPrty>	Priority code, <i>NORM</i> for standard processing, <i>HIGH</i> for urgent processing; value is NOT interpreted	priority code	-	
+++	<SvcLvl>	Service level – rules for processing	-	-	
++++	<Cd>	Payment type code – always <i>SEPA</i>	payment type code	x	
+++	<CtgyPurp>	Payment category – either code or proprietary	-	-	
++++	<Cd>	Category code – always <i>SEPA</i> . Category is defined either by code (this tag) or freely (tag <Prtry>)	category code	x	
++++	<Prtry>	Free category definition. Category is defined either freely (this tag) or via code (tag <Cd>)	up to 35 chars	x	
++	<ReqdExctnDt>	Requested execution date (value date). Max ½ year in advance, YYYY-MM-DD format. Past date will be automatically shifted to nearest possible	ISO date	x	x
++	<Dbtr>	Debtor (account owner) information	<u>party identification</u>	x	
++	<DbtrAcct>	Debtor account (account to be debited)	<u>account identification</u>	x	
++	<DbtrAgt>	Debtor agent – account holding bank. Not required, always ČSOB	<u>bank identification</u>	-	
++	<UltmtDbtr>	Ultimate debtor identification for all the transfers within batch.	<u>party identification</u>	-	
++	<ChrgBr>	Fees type. Codeword <i>SLEV</i> is used (similar to SHA in cross-border transactions)	fee code	-	
++	<ChrgsAcct>	Charges account (NOT interpreted)	<u>account identification</u>	-	
++	<CdtTrfTxInf>	Credit transfer transaction information (batch can have 1 to <i>n</i> transfers)	-	x	
+++	<PmtId>	Transfer (payment) identification	-	x	
++++	<InstrId>	Instruction identification, up to 32 chars can be provided, only 16 chars from the left are interpreted	up to 16 chars	-	x
++++	<EndToEndId>	E2E (End to End) identification	up to 35 chars	x	x

+++	<PmtTpInf>	Payment type information	-	-	
++++	<InstrPrty>	Instruction priority, <i>NORM</i> for standard processing or <i>HIGH</i> for urgent, value is NOT interpreted	priority code	-	
++++	<SvcLvl>	Service level – rules for processing	-	-	
+++++	<Cd>	Payment type code – always <i>SEPA</i>	payment type code	x	
++++	<CtgyPurp>	Payment category – either code or proprietary	-	-	
+++++	<Cd>	Category code – always <i>SEPA</i> . Category is defined either by code (this tag) or freely (tag <Prtry>)	category code	x	
+++++	<Prtry>	Free category definition. Category is defined either freely (this tag) or via code (tag <Cd>)	up to 35 chars	x	
+++	<Amt>	Transaction amount	-	x	
++++	<InstdAmt Ccy="EUR">	Transaction amount in the EUR currency	number with max. 2 decimals, decimal point	x	x
+++	<XchgRateInf>	Exchange rate information	-	-	
++++	<XchgRate>	Exchange rate value (NOT interpreted)	number with max. 2 decimals, decimal point	-	
++++	<RateTp>	Exchange rate type – codes <i>AGRD</i> , <i>SPOT</i> , <i>SALE</i> are used (NOT interpreted)	rate code	-	
++++	<CtrctId>	Information on contract for rate conversion (NOT interpreted)	up to 35 chars	-	
+++	<ChrgBr>	Fees type. Codeword <i>SLEV</i> is used (similar to <i>SHA</i> in cross-border transactions)	fee code	-	
+++	<UltmtDbtr>	Ultimate debtor identification	<u>party identification</u>	-	
+++	<CdtrAgt>	Creditor agent aka beneficiary bank, not required – derived from creditor account's IBAN	<u>bank identification</u>	-	
+++	<Cdtr>	Creditor (beneficiary) identification	<u>party identification</u>		
+++	<CdtrAcct>	Creditor account	<u>account identification</u>	x	
+++	<UltmtCdtr>	Ultimate creditor identification	<u>party identification</u>	-	
+++	<Purp>	Purpose of the payment – can be set by code or freely (NOT interpreted)	-	-	
++++	<Cd>	Codeword for transfer purpose. Purpose is either set by code (this tag) or freely (tag <Prtry>)	purpose code	x	
++++	<Prtry>	Free purpose definition. Purpose is either set freely (this tag) or via code (tag <Cd>)	up to 35 chars	x	
+++	<RmtInf>	Remittance info	-	x	
++++	<Ustrd>	Message to the beneficiary (creditor). Only unstructured, freetext is used. In case variable, specific or constant codes are passed, following syntax is recommended <i>VS/max.10digits/SS/max.10 digits/KS/max.10 digits</i>	up to 140 chars	x	x

## Party identification

Level	<XML TAG>	Description	Contents	Req.	Proc.
+++	<Nm>	Name of the party: – required for initiating party, debtor, ultimate debtor, creditor and ultimate creditor (at least three alpha numerals are required) – interpreted for ultimate debtor, creditor and ultimate creditor	up to 70 chars	x/-	x/-

+++	<PstAdr>	Postal address	-	-	
++++	<StrtNm>	Street name	up to 70 chars	-	
++++	<BldgNb>	Building number (street number)	up to 16 chars	-	
++++	<PstCd>	Postal code (ZIP)	up to 16 chars	-	
++++	<TwnNm>	Town name	up to 35 chars	-	
++++	<Ctry>	Country	ISO country code	-	
++++	<AdrLine>	Free text with address. Tag can repeat once (address can be provided in two rows), interpreted only for creditor	2 rows of up to 70 chars	-	x/-
+++	<Id>	Further specification. Either organization identification (<OrgId>) or private person identification (<PrvtId>) needs to be provided after this tag	-	-	
++++	<OrgId>	Further information on organization	-	x/-	
+++++	<BICorBEI>	BIC/SWIFT or BEI code	valid BIC/BEI	-	
+++++	<Othr>	Other identification	-	-	
+++++	<Id>	State authority identification (e.g. registration number), interpreted for ultimate debtor and ultimate creditor	up to 35 chars	x	x/-
+++++	<SchmeNm>	Scheme (document) type	-	-	
+++++	<Prtry>	Free description of document type	up to 35 chars	x	
+++++	<Issr>	Document issuer (document identification is based on)	up to 35 chars	-	
++++	<PrvtId>	Further information on private person	-	x/-	
+++++	<Othr>	Other identification	-	-	
+++++	<Id>	State authority identification (e.g. birth number, social insurance number), interpreted for ultimate debtor and ultimate creditor	up to 35 chars	x	x/-
+++++	<SchmeNm>	Scheme (document) type	-	-	
+++++	<Prtry>	Free description of document type	up to 35 chars	x	
+++++	<Issr>	Document issuer (document identification is based on)	up to 35 chars	-	
+++	<CtryOfRes>	Country of residence (either for the person, or country out of which organization is controlled)	ISO country code	-	

## Bank identification

Level	<XML TAG>	Description	Contents	Req.	Proc.
+++	<FinInstId>	Financial institution identification	-	x	
++++	<BIC>	BIC/SWIFT code	valid BIC/SWIFT	x	

## Account identification

Level	<XML TAG>	Description	Contents	Req.	Proc.
+++	<Id>	Account identification	-	x	
++++	<IBAN>	International format of an account (IBAN), interpreted for debtor and creditor, ignored for charges account	valid IBAN	x	x/-
+++	<Ccy>	Currency (not interpreted)	ISO currency code	-	

## Sample file

Note: sample file contains one single transaction with required fields, does not contain optional attributes such as ultimate debtor or ultimate creditor. Grey background highlights comments not being interpreted within import process:

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03">
  <CstmrCdtTrfInitn>
    <GrpHdr>
      <!-- file header -->
      <MsgId>message id up to 35 characters</MsgId>
      <CreDtTm>2018-01-01T00:01:02</CreDtTm>
      <NbOfTxS>1</NbOfTxS>
      <CtrlSum>12345.67</CtrlSum>
      <InitgPty>
        <!-- initiating party -->
        <Nm>initiating party name</Nm>
      </InitgPty>
      <!-- end of initiating party -->
    </GrpHdr>
    <!-- end of file header -->
    <PmtInf>
      <!-- first SEPA batch -->
      <PmtInfId>batch identification up to 35 chars</PmtInfId>
      <PmtMtd>TRF</PmtMtd>
      <BtchBookg>false</BtchBookg>
      <NbOfTxS>00001</NbOfTxS>
      <CtrlSum>000000012345.67</CtrlSum>
      <ReqdExctnDt>2018-01-01</ReqdExctnDt>
      <Dbtr>
        <!-- debtor detail -->
        <Nm>Hynek, Vilem, Jarmila</Nm>
        <PstlAdr>
          <StrtNm>Na kopecku</StrtNm>
          <BldgNb>45</BldgNb>
          <PstCd>267 18</PstCd>
          <TwnNm>Karlstejn</TwnNm>
          <Ctry>CZ</Ctry>
        </PstlAdr>
      </Dbtr>
      <!-- end of debtor detail -->
      <DbtrAcct>
        <!-- debtor account -->
        <Id>
          <IBAN>CZ2003000000000000000019</IBAN>
        </Id>
        <Ccy>EUR</Ccy>
      </DbtrAcct>
      <!-- end of debtor account -->
      <DbtrAgt>
        <!-- optional debtor bank -->
        <FinInstnId>
          <BIC>CEKOCZPP</BIC>
        </FinInstnId>
      </DbtrAgt>
      <!-- end of optional debtor bank -->
      <ChrgBr>SLEV</ChrgBr>
      <CdtTrfTxInf>
        <!-- first (and only) transfer -->
        <PmtId>
          <InstrId>instrid max 16 chars</InstrId>
          <EndToEndId>e2e identification max 35 chars</EndToEndId>
        </PmtId>
        <Amt>
          <InstdAmt Ccy="EUR">12345.67</InstdAmt>
        </Amt>
        <ChrgBr>SLEV</ChrgBr>
        <CdtrAgt>
          <!-- optional creditor bank -->
```

```

<FinInstnId>
  <BIC>CEKOCZPP</BIC>
</FinInstnId>
</CdtrAgt> <!-- end of optional creditor bank -->
<Cdtr> <!-- creditor detail -->
  <Nm>Pankrac, Servac, Bonifac</Nm>
  <PstlAdr>
    <StrtNm>U potoka</StrtNm>
    <BldgNb>201</BldgNb>
    <PstCd>210 12</PstCd>
    <TwnNm>Cernosice</TwnNm>
    <Ctry>CZ</Ctry>
    <AdrLine>free text address line 1</AdrLine>
    <AdrLine>free text address line 2</AdrLine>
  </PstlAdr>
  <Id>
    <OrgId>
      <Othr>
        <Id>00001350</Id>
        <SchmeNm>
          <Prtry>ID number for the creditor</Prtry>
        </SchmeNm>
        <Issr>institution issuing this ID</Issr>
      </Othr>
    </OrgId>
  </Id>
  <CtryOfRes>CZ</CtryOfRes>
</Cdtr> <!-- end of creditor detail -->
<CdtrAcct> <!-- creditor account -->
  <Id>
    <IBAN>CZ0603000000190000000019</IBAN>
  </Id>
</CdtrAcct> <!-- end of creditor account -->
<RmtInf> <!-- message to the beneficiary -->
  <Ustrd>unstructured message to the beneficiary (creditor) up to 140 characters quite a lot of space for
something to be typed here</Ustrd>
  </RmtInf> <!-- end of message to the beneficiary -->
</CdtTrfTxInf> <!-- end of first (and only) transfer -->
</PmtInf> <!-- end of first SEPA batch -->
</CstmrCdtTrfInitn>
</Document>

```