

MRX – Merchant Reconciliation XML

Processor Specification

Version v1.5
16. July 2017

Glossary and abbreviations

Abbreviation	Description
MRXD	Merchant Reconciliation XML Detailed
PMS	POS Management System
POS	Point of Sale
XML	eXtensible Markup Language
XSD	XML Schema Definition, See [R1]

References

Ref.	Document	Version
[R1]	Specification of the XML schema definition language from the W3 consortium	

Integrated documents

Ref.	Document	Version
[I1]	MerchantReconciliationTypes-v1.5.xsd	v1.5
[I2]	MerchantReconciliationXML.detailed.v1.5.xsd	v1.5

Version History

Version	Date	Changes with this version
v1.1	4.3.2012	Refactoring of xsd files New optional fields: branchOfficeId, dcclnd, isReversal, entryType
v1.4	26.6.2016	transactionType: add fields alCAcqToIssSC baseTrxType: added addlStmntText, salesSlipNum, paymentType: added extSettlingRefNo, cbTrxType: added addlStmntText cbTrxType: added addlMercData added codeValueType, baseTrxType/trmTrxNo is new optional, summarySlipType/trmPer is new optional
v1.5	16.7.2017	Removed fields: baseTrxType/salesSlipNum, cbTrxType, financialAdjustmentType/chargeback Added fields: transactionType/aTrxPwcbSC, transactionType/aComEffHighSC, baseTrxType/casId, baseTrxType/origTrxDate, baseTrxType/remark, baseTrxType/accountIndex, stlAccountType/bic, sumOCType/noValidTrxPwcb, sumOCType/aTrxPwcbOC, sumSCType/noValidTrxPwcb, sumSCType/aTrxPwcbSC, sumSCType/aComEffHighSC, condFullType/tariffDetail, baseTrxType/trxIndicator Changed field: Content of sumSCType/aComEffSC (v1.4) can now be found in sumSCType/aComEffHighSC!

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1 Merchant Reconciliation XML Detailed - Introduction

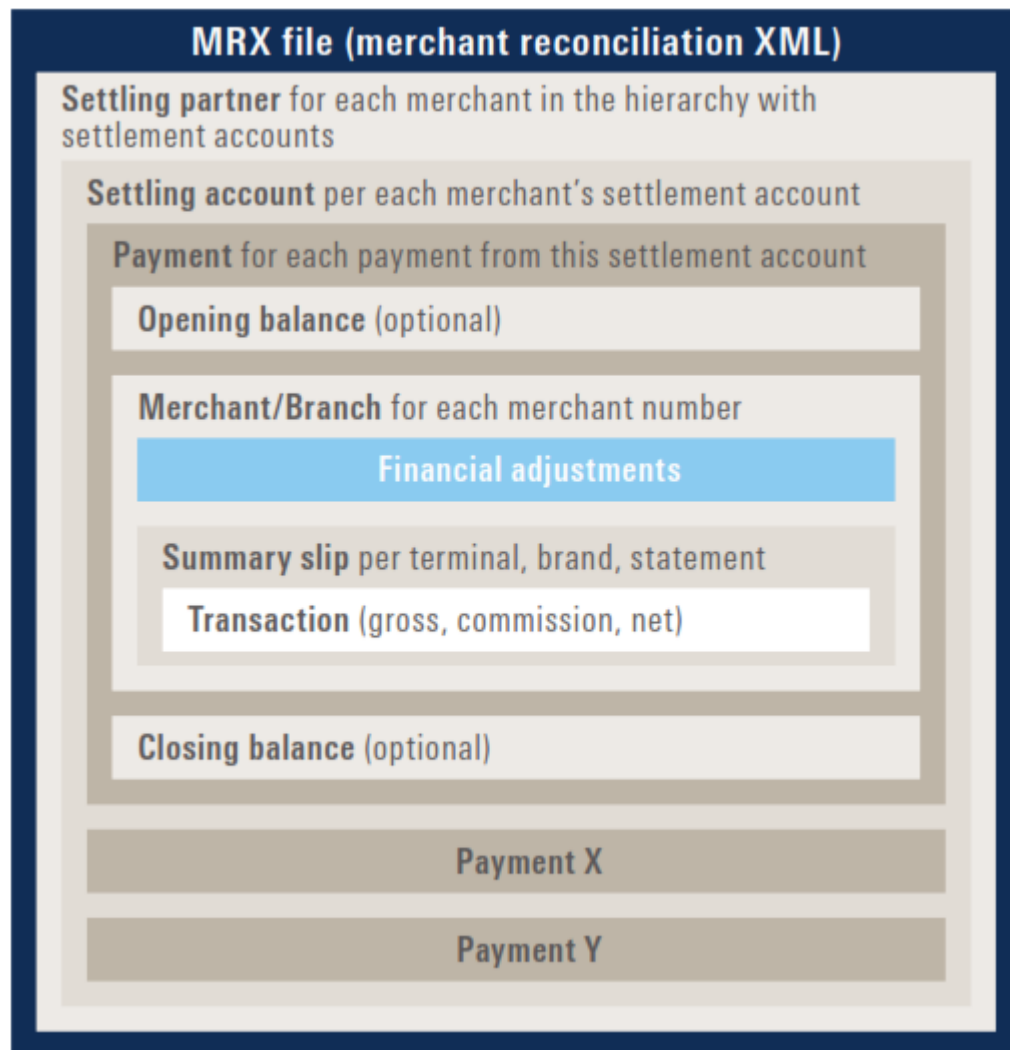
The „Merchant Reconciliation XML Detailed“ (MRXD) file is a reconciliation file sent from the acquirer to the merchant containing detailed information about processed transactions and payments to the merchant.

2 File specification

The core file specification is provided as a XML Schema (XSD) according to W3C recommendations and specifications (see [R1])). The XSD (see [I1], [I2]) is provided on request and should have been delivered with this document. It is best viewed with a specialized XML/XSD viewer (e.g. Altova XMLSpy). For easier reading without additional tools an html version for viewing in a Web Browser is provided, too.

2.1 Structure

The MRX Detailed includes – in comparison to the base MRX – more information on transaction level.



merchantReconciliationXML

Top XML element of the file

reportingPart

Contains the partner information on the level in a partner hierarchy on which this MRX file is set up

settlingPart

Contains the partner information on the hierarchy level on which settlement accounts are set up. For independent partners or flat hierarchies this can be the same as reportingPart.

stlAccount

Contains Information about a settlement account, including bank account information and settlement currency.

payment

A payment element is present for each payment effectuated on the corresponding settlement account. In case of a non-payment, the element payment/paymentType contains a 'N'. A non-payment can happen e.g. for negative balances.

businessPart

The business partner element contains information about the business within a payment effectuated by a specific business partner (merchant location). For independent partners or flat hierarchies this can be the same as the reportingPart and/or settlingPart.

contract

Contains information about a specific contract. This can e.g. be a 'face to face' or a 'eCommerce' contract. This container also contains the 'merchant contract number' (VP-Nummer).

fAdj

Contains information about financial adjustments that were booked for this contract.

sumSlip

Contains information about a summary slip (or terminal period, Tagesabschluss).

trx

Information about a single valid transaction.

errTrx

Information about erroneous transactions, i.e. one that has been rejected.

2.2 Differences between MRX v1.5 and MRXD v1.5

The MRX Detailed includes – in comparison to the base MRX – more information on transaction level (below marked in red):

```
<authNo>666555</authNo>
<refNo>446677</refNo>
<trmTrxNo>8921</trmTrxNo>
<addlMercData>011070</addlMercData>
<arn>732222222222222222229884</arn>
<dccInd>0</dccInd>
<isReversal>0</isReversal>
<entryType>5</entryType>
<cond>
  <condCode>1</condCode>
  <aComEffExclVatSC c="EUR" e="2">-2.900000000</aComEffExclVatSC>
  <aMinComRateSC c="EUR" e="2">0.200000000</aMinComRateSC>
  <percComRate>1.4000</percComRate>
</cond>
<cond>
  <condCode>2</condCode>
  <aComEffExclVatSC c="EUR" e="2">-0.060000000</aComEffExclVatSC>
  <aFixComRateSC c="EUR" e="2">0.060000000</aFixComRateSC>
</cond>
<aTrxGrosSC c="EUR" e="2">207.000000000</aTrxGrosSC>
<aTrxNetSC c="EUR" e="2">204.042000000</aTrxNetSC>
<aComEffSC c="EUR" e="2">-2.958000000</aComEffSC>
<aComEffBC c="EUR" e="2">-2.960000000</aComEffBC>
<cardProduct>C</cardProduct>
<unBlendCat>1</unBlendCat>
<clearingRegion>
  <id>1</id>
  <name>Domestic</name>
</clearingRegion>
<aICAcqToIssSC c="EUR" e="2">-1.370000000</aICAcqToIssSC>
</trx>
```

cond – merchant service charge details

The element transactionType/cond lists each applied price position contributing to the merchant service charge (blended or IC++) per transaction. Please consult the MRX acquirer specification for an explanation of the sent condCode values.

3 Definitions

xsd Schema Definition
html from the xsd generated documentation readable by any web browser

3.1 Date and time elements

xs:date

Date fields in standard xsd format.

Structure: YYYY-MM-DD

Example: `<trxDate>2007-08-02</trxDate>`

xs:time

Time fields in standard xsd format.

Structure: hh:mm:ss

Example: `<trxTime>21:20:54</trxTime>`

3.2 Amount Elements

The name of amount elements always starts with an 'a' prefix. The suffix of an amount tag designates the type of amount:

- OC** amount in **original transaction currency**
 this is the currency in which the transaction actually happened from a cardholder viewpoint
- SC** amount in merchant **settlement currency**
 this is the currency of the settlement account in which the merchant is being paid
- BC** amount in acquirer **base currency**
 this currency occurs only for VAT (Value Added Tax, MwSt) related amounts

Each amount tag has two attributes:

- 'c' currency code in 3 character alphabetic ISO format (e.g. 'CHF' for Swiss Francs, 'EUR' for Euro).
- 'e' exponent (how many digits after the decimal point)

The actual amount field comes **with** the decimal point and the sign.
Negative amounts have a 'Minus'-Sign ('-').

Example and meaning of amount fields:

- aTrxOC original transaction amount in the original currency
- aTrxGrosSC gross amount of the transaction in settlement currency
 (= aTrxOC in settlement Currency). If original currency and settlement currency are the same (in most cases) these two amount fields will show the same value.
- aComEffSC rounded commission amount of the transaction in settlement currency
- aComEffHighSC commission amount in high precision of the transaction in settlement currency (if applicable)
- aTrxNetSC Net amount of the transaction in settlement currency (= gross – commission). This is the amount that is actually paid out for a transaction.

Example of amount fields (2 decimal calculation):

<aTrxOC c="EUR" e="2">118.0</aTrxOC>	118.00 Euro
<aTrxGrosSC c="EUR" e="2">118.0</aTrxGrosSC>	118.00 Euro
<aTrxNetSC c="EUR" e="2">114.91</aTrxNetSC>	114.91 Euro
<aComEffSC c="EUR" e="2">-3.09</aComEffSC>	-3.09 Euro

Example of amount fields (more than 2 decimal calculation):

<aTrxOC c="EUR" e="2">118.0</aTrxOC>	118.00 Euro
<aTrxGrosSC c="EUR" e="2">118.0</aTrxGrosSC>	118.00 Euro
<aTrxNetSC c="EUR" e="2">114.9089</aTrxNetSC>	114.9089 Euro
<aComEffSC c="EUR" e="2">-3.09</aComEffSC>	-3.09 Euro
<aComEffHighSC c="EUR" e="2">-3.0911</aComEffHighSC>	-3.0911 Euro

3.3 VAT Amounts

If applicable, VAT is calculated and shown on payment level as a fAdj with stlEntryType 47.

Example of a fAdj with stlEntryType 47:

- aFAdjNetSC net VAT amount ($\text{VatNetAmount} * \text{VatPercentage}$)
- aFAdjGrosSC gross VAT amount (equals net VAT amount)
- VATPercentage contains the VAT percentage with which the VAT amount was calculated
- VATGrossAmount = $\text{VatNetAmount} + (\text{VatNetAmount} * \text{VatPercentage})$
- VatNetAmount the amount which is liable to VAT

```

<fAdj>
  <stlEntryType>47</stlEntryType>
  <prod>ALL</prod>
  <fAdjDate>2009-03-03</fAdjDate>
  <passStlEntryNo>200903030022748</passStlEntryNo>
  <aFAdjNetSC e="2" c="EUR">-53.100000000</aFAdjNetSC>
  <aFAdjGrossSC e="2" c="EUR">-53.100000000</aFAdjGrossSC>
  <txtElem>
    <id>VatPercentage</id>
    <value>19</value>
  </txtElem>
  <txtElem>
    <id>VatGrossAmount</id>
    <value>-332.57</value>
  </txtElem>
  <txtElem>
    <id>VatNetAmount</id>
    <value>-279.47</value>
  </txtElem>
</fAdj>

```

VAT amounts in sumSC elements:

- aVatSC sum of all stlEntryType 47 aFAdjNetSC amounts on the respective level
- aVatBC sum of all stlEntryType 47 aFAdjNetSC amounts on the respective level in Base Currency

3.4 Rounding Differences

If applicable, rounding differences are calculated and shown on payment level as a fAdj with stlEntryType 46.

3.5 DCC Transactions

DCC Transactions can be identified by the element trx/dccInd.

```
<dccInd>1</dccInd>
```

3.5.1 DCC payback

If applicable, the DCC payback will be visible in sumSC elements on levels payment and summarySlip. Condition Code 10 indicates DCC payback.

```

<sum>
  <sumSC>
    <sumCond>
      <condCode>10</condCode>
      <aComEffExclVatSC c="CHF" e="2">59.55</aComEffExclVatSC>
      <percComRate>-1</percComRate>
    </sumCond>
    ⋮
  </sumSC>
</sum>

```

3.6 Purchase with cashback transactions (PwCB)

Purchase with cashback transactions can be identified by the presence of element `trx/ aTrxPwcbSC` which indicates the cashback amount as part of a purchase.

3.6.1 PwCB payback

If applicable, the PwCB payback will be visible in `sumSC` elements on levels payment and summarySlip. Please refer to the MRX acquirer specification for the respective condition code.

```
<sum>
  <sumSC>
    <sumCond>
      <condCode>271</condCode>
      <aComEffExclVatSC c="EUR" e="2">2.65</aComEffExclVatSC>
      <percComRate>-1</percComRate>
    </sumCond>
    ⋮
  </sumSC>
</sum>
```

3.7 Chargebacks

Chargeback transactions are sent in the same structure as purchase transactions, but can be identified by the `trx/trxIndicator` value 140 or 141 (see **Error! Reference source not found.** for other possible values).

```

<stlEntry>
  <sumSlip>
    <trx>
      <trxType>Retail</trxType>
      <trxTypeId>1</trxTypeId>
      <passTrxId>201706013250025</passTrxId>
      <trxIndicator>140</trxIndicator>
      <aTrxOC c="EUR" e="2">-130.600000000</aTrxOC>
      <trxDate>2017-05-31</trxDate>
      <trxTime>07:51:42.000</trxTime>
      <pan>526641XXXXXX0738</pan>
      <authNo>210334</authNo>
      <refNo>378878</refNo>
      <trmTrxNo>174076</trmTrxNo>
      <addlMercData>411012-200487877-200487877-170</addlMercData>
      <addlStmntText>411012-200487877-200487877-170</addlStmntText>
      <arn>05460657102041200256063</arn>
      <dccInd>0</dccInd>
      <isReversal>0</isReversal>
      <entryType>5</entryType>
      <cond>
        <condCode>1</condCode>
        <aComEffExclVatSC c="EUR" e="2">1.040000000</aComEffExclVatSC>
        <aMinComRateSC c="EUR" e="2">0.200000000</aMinComRateSC>
        <percComRate>1.4000</percComRate>
      </cond>
      <caseId>200042417957</caseId>
      <origTrxDate>2017-04-12</origTrxDate>
      <remark>ID:200042417957/526641XXXXXX0738/EUR/130.60/31.05.</remark>
      <accountIndex>0</accountIndex>
      <aTrxGrosSC c="EUR" e="2">-130.600000000</aTrxGrosSC>
      <aTrxNetSC c="EUR" e="2">-129.560000000</aTrxNetSC>
      <aComEffSC c="EUR" e="2">1.820000000</aComEffSC>
      <aComEffBC c="EUR" e="2">1.820000000</aComEffBC>
      <cardProduct>MCC</cardProduct>
      <unBlendCat>1</unBlendCat>
      <clearingRegion>
        <id>1</id>
        <name>Domestic</name>
      </clearingRegion>
    </trx>
    <prod>ECAMC</prod>
    <sumSlipDate>2017-06-01</sumSlipDate>
    <sumSlipTime>00:00:00.000</sumSlipTime>
    <passStlEntryNo>201706011355261</passStlEntryNo>
    <origin>GICC</origin>
    <sumSlipId>0</sumSlipId>
    <trmId>09B00296</trmId>
    <sumSlipRemark>ID:200042417957/526641XXXXXX0738/EUR/130.60/31.05.</sumSlipRe
mark>
    !
  </sumSlip>
</stlEntry>

```

Figure 1: Appearance of a chargeback in MRX

Chargeback transactions show additional information related to the chargeback case and the original purchase transaction:

trxIndicator	Value 140 identifies a chargeback
caselId	The ID under which the case is tracked in the chargeback system
pan	Truncated card number of the original purchase
origTrxDate	Date of the original transaction
trmId	Terminal number of the original purchase
refNo	Acquirer reference number of the original purchase

The original purchase is referenced by the combination of trmId and refNo.

3.8 Sum

Each level from reportingPart to sumSlip contain aggregated amounts and counters. These are available in the sum tag.

sumSC	Summary of amounts and counters in the merchant settlement currency. Such a tag is present for each settlement currency.
sumOC	Summary of amounts and counters in the original transaction currency. Such a tag is present for each original transaction currency.

3.9 PAN

The primary account number (PAN / card number) in the trx or errTrxs container is truncated for security reasons implied by the international card schemes. The first six and the last four digits are visible, the rest is replaced with 'X'.

Example: <pan>523227XXXXXX8446</pan>

3.10 Payment amount details

Payment amount details are provided as unrounded or rounded amounts. The paid-out amount can be reconstructed¹ by adding up either column in Table 1.

	XML hierarchy	Unrounded amounts	Rounded amounts
Opening balance (only for preceding non-payment periods)	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++openingBalance	aOpBalSC	aOpBalSC
Transaction gross amount	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++businessPart +++++contract +++++stlEntry +++++sumSlip +++++trx	aTrxGrosSC	aTrxGrosSC
Transaction related merchant service fees	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++businessPart +++++contract +++++stlEntry +++++sumSlip +++++trx	aComEffHighSC	aComEffSC
Not transaction related fees and adjustments related to a specific POS/WebShop.	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++businessPart +++++contract[extVPNo <> 0] +++++stlEntry +++++fAdj	aFAdjNetSC	aFAdjNetSC
Not transaction related fees and adjustments unrelated to a specific POS/WebShop.	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++fAdj[stlEntryType <> 46]	aFAdjNetSC	aFAdjNetSC
Accumulated rounding difference	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++fAdj[stlEntryType == 46]	-	aFAdjNetSC
Accumulated rounding difference	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++sum +++++sumSC	aComEffSC - aComEffHighSC	-

Table 1: Amount details provided by MRX, resulting in either a reimbursement or a closing balance (see Table 2)

¹ Only for MRX v1.5 and later versions.

	XML hierarchy	Unrounded amounts	Rounded amounts
Reimbursed amount (paymentType "P"; the new zero closing balance is not shown)	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++sum ++++++sumSC	aPaymentSC	aPaymentSC
or			
Closing Balance (paymentType "N"; amount will be carried over as opening balance for the next payment period)	merchantReconciliationXML +reportingPart ++settlingPart +++stlAccount ++++payment +++++openingBalance	aClBalSC	aClBalSC

Table 2: Reimbursed or carried over amount

3.11 Payment periods without payments

MRX reports each payment period with processed transactions. This is regardless whether at the end of a payment period (e.g. weekly) the merchant received funds (because there has been a positive credit balance) or not (because the merchant's credit balance has been negative because of excessive refunds, chargebacks, etc.).

For payment periods ending without a payment to the merchant, MRX uses the concept of a "non-payment". In such cases, all transaction processed during this period are being reported.

Please note that each transaction will only be reported once in the payment period during which it has been processed. The transaction data won't be sent again, even if the eventual payment is executed at a later date.

1. Payment periods ending with a regular payment to the merchant are marked with paymentType "P" (see 2.1, payment). For each executed payment, a unique reference number paymentNo (for some markets extSettlingRefNo) is generated, which will be reproduced on the bank statement for reconciliation purposes:

```

</businessPart>
<paymentType>P</paymentType>
<paymentDate>2020-03-23</paymentDate>
<paymentNo>202003230049445</paymentNo>
<valueDate>2020-03-24</valueDate>

```

Figure 2: Payment period ending with a payment

In case there has been a carry-over from the previous payment period, the credit balance at the beginning of this payment period is indicated by an openingBalance:

```
</businessPart>
<openingBalance>
  <aOpBalSC c="EUR" e="2">-339.860000000</aOpBalSC>
  <opBalDate>2020-03-09</opBalDate>
</openingBalance>
<paymentType>P</paymentType>
<paymentDate>2020-03-23</paymentDate>
<paymentNo>202003230049445</paymentNo>
<valueDate>2020-03-24</valueDate>
```

Figure 3: Payment period ending with a payment with carry-over from previous payment periods

2. Payment period ending without a payment to the merchant are marked with paymentType "N" (see 2.1, payment). No unique payment identifier paymentNo is generated, instead closingBalance indicates the credit balance at period's end and a reason code clBalReason (see **Error! Reference source not found.**) states why the payment couldn't be executed:

```
</businessPart>
<closingBalance>
  <aClBalSC c="EUR" e="2">-245.170000000</aClBalSC>
  <clBalDate>2020-03-10</clBalDate>
  <clBalReason>10</clBalReason>
</closingBalance>
<paymentType>N</paymentType>
```

Figure 4: Payment period ending without a payment, without carry-over from previous payment period

In case there has been a carry-over from the previous payment period, the credit balance at the beginning of this payment period is indicated by an openingBalance:

```
</businessPart>
<openingBalance>
  <aOpBalSC c="EUR" e="2">-339.860000000</aOpBalSC>
  <opBalDate>2020-03-09</opBalDate>
</openingBalance>
<closingBalance>
  <aClBalSC c="EUR" e="2">-245.170000000</aClBalSC>
  <clBalDate>2020-03-10</clBalDate>
  <clBalReason>10</clBalReason>
</closingBalance>
<paymentType>N</paymentType>
```

Figure 5: Payment period ending without a payment, with carry-over from previous payment period

4 Code Values

4.1 Clearing Region

clearingRegion: Card scheme clearing region.

Code value	Description
1	Domestic
2	Within the same region
3	Between different regions
4	Within IntraEuropean Western region
5	Within IntraEuropean Eastern region
6	Within IntraEuropean EEA (former Eurozone) region
7	Region Europe-UK
8	Region Europe-Israel/Turkey

Table 3: Allowed values for field clearingRegion

4.2 Closing Balance Reason

clBalReason: specifies the reason why no payment instruction for a merchant settlement has been produced.
clB

Code value	Description
10	Negative balance of technical merchant account.
20	Balance of technical merchant account is below minimum amount for settlement.
30	Merchant settlement has been blocked by acquirer.
40	Insufficient data for merchant settlement.

Table 4: Allowed values for clBalReason

4.3 Contract Category

contractCategory: Category of acceptance contract.

Code value	Description
1	Face to Face (Presence)
2	Mail/Phone Order (Card not present)
4	Cash Advance (Presence)
5	Internet Electronic Trx. (Card not present)
8	SecureECom (Card not present)
9	DCC/FtF (Presence)
10	DCC/SecureECom (Card not present)
13	e Commerce (Card not present)
18	Mail/Phone Order DCC (Card not present)
19	Internet Electronic Trx. DCC (Card not present)

Table 5: Allowed values for contractCategory

4.4 Entry Types

EntryType: indicates how cardholder authentication data has been entered³

Code value	Description
0	Unknown
1	EntryType-Track1
2	EntryType-Track2
3	EntryType-Track3
4	EntryType-Chip
5	EntryType-Manual
6	Contactless EMV chip entered transaction
7	Contactless Magnetic stripe standard entered transaction
8	Account ID originating from digital device
10	EMV fallback
11	Server or Wallet
12	QRC Code TAGC
15	CredentialOnFile

Table 6: allowed values for field *entryType*

4.5 Origin

Protocol used in delivery of transaction to processor.

Code value	Description
BSP	BSP - IATA Trx-Einlieferfile (Airlines)
CDS	CDS Einlieferungen
CTAC	International Forecourt Standards Forum (IFSF) Host2Host Link
DTAA	DT1.34 AUA Einlieferung
DTAT	DT Austria
DTGA	DT1.34 Garagen Kredit Einlieferung
EP2	ep2
EVTR	Paylife EV Terminals
GARA	Garagen Debit Einlieferung
GICC	German ISO-8583 Credit Card (GICC) Protocol
IFSF	International Forecourt Standards Forum Petrol
ONL	Manual entry (online) in acquirer backoffice
QRES	Quick Restsaldo-Ausbuchung
QUIC	Quick Einlieferungen
SaferPay	Saferpay
SLIP	Paper Sale Slip
UDK	Umsatzdaten der deutschen Kreditkartengesellschaften
Voice Auth	Voice Authorization

Table 7: Allowed values for field *origin*

4.6 Product

prod: Acceptance product.

<i>Code value</i>	<i>Description</i>
ALIPY	Alipay
BCMC	Bancontact
BLUEC	Bluecode
CUP	UnionPay
DMC	DebitMasterCard
DINER	DINERS credit card
ECAMC	MasterCard
ECDIR	Swiss Maestro cards
IDEAL	iDEAL
JCB	Japan Credit Bureau
MAES	Maestro Debit Card
MCARD	Migrosbank M-Bank
PQNIC	Payconiq
TWINT	Twint
VISA	VISA
VPAY	V PAY
VSDB	VisaDebit
WCHAT	WeChat Pay

Table 8: Allowed values for field *prod*

4.7 Mobile Voucher product

prod: Swiss mobile voucher product.

<i>Code value</i>	<i>Description</i>
TOLEB	Mobile Lebara
TOLYC	Mobile Lyca
TOMBU	Mobile M-Budget
TOORA	Mobile Salt.
TOSUN	Mobile sunrise
TOSWI	Mobile Swisscom
TOYAL	Mobile yallo

Table 9: Allowed values for field *prod* (mobile voucher)

4.8 Scheme Type

schemeType: Describes the type of a sharing scheme for merchant service charges.

<i>Code value</i>	<i>Description</i>
2	Split of merchant service charges with a third party.

Table 10: Allowed values for field *schemeType*

4.9 Transaction Indicator

trxIndicator: Describes the chargeback indicators.

Code value	Description
100	1 st presentment – no chargeback
140	Merchant debit from chargeback
141	Merchant credit from chargeback

Table 11: Allowed values for field *trxIndicator*

4.10 Transaction Type / Transaction Type ID

trxTypeID / trxType: Type of the transaction.

Code Value	Description (trxType)
0	Unknown
1	Retail
2	Authorisation
3	Cash Advance
4	Cash Withdrawal
5	Reservation
6	Cash Loading
7	UniqueTrx
8	Inc Reservation
9	Refund
10	Deposit
11	Delayed Retail
13	Collection
21	CFT
22	Disbursement
23	Balance Inquiry
24	Prepaid Mobile
25	Prepaid Purse Unload
26	Pin Service Advice Crediting
27	Pin Service Advice Not Crediting
28	Pin Advice On-Us
29	Delivery Charge
34	PIN check
35	Quick Cancel in Favour of cardholder
36	PIN Change
37	Cash Refund
92	Voucher
93	Voucher Direct Load

Table 12: Allowed values for fields *trxTypeID* / *trxType*

4.11 Unblending Categories

unBlendCat: In order to implement an ECC directive, the Card Schemes introduced categorization of transactions according to the card type used therein. This allows a higher degree of cost transparency for the merchant. This initiative is known as “Unblending”

The optional unBlendCat element indicates the specific unblending category for this transaction defined by VISA and MasterCard.

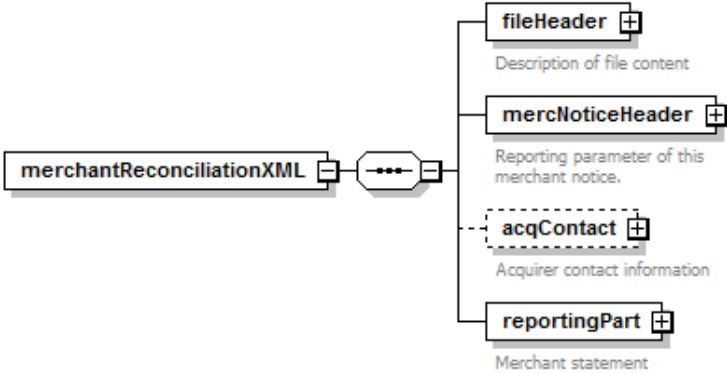
<i>Code value</i>	<i>Description</i>
0	Unspecified
1	Credit
2	Debit
3	Commercial

Table 13: Allowed values for field unBlendCat

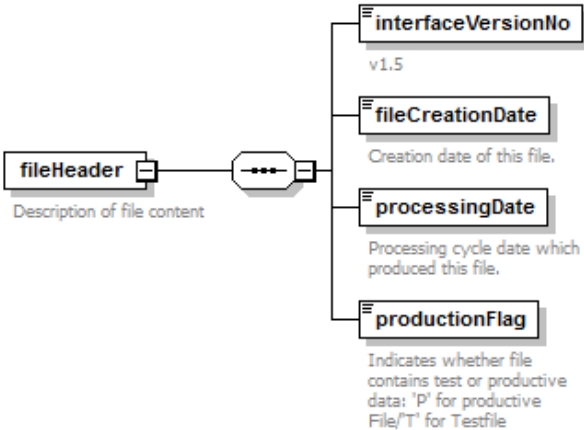
5 File structure and field description

5.1 MerchantReconciliationTypes

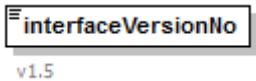
5.1.1 element *merchantReconciliationXML*

diagram	 <pre> graph LR merchantReconciliationXML[merchantReconciliationXML] --- container(()) container --- fileHeader[fileHeader] container --- mercNoticeHeader[mercNoticeHeader] container -.- acqContact[acqContact] container --- reportingPart[reportingPart] </pre> <p>The diagram shows the structure of the merchantReconciliationXML element. It is a complex content type containing four child elements: fileHeader (Description of file content), mercNoticeHeader (Reporting parameter of this merchant notice), acqContact (Acquirer contact information, shown as optional with a dashed line), and reportingPart (Merchant statement).</p>
properties	content complex
children	fileHeader mercNoticeHeader acqContact reportingPart


5.1.2 element *merchantReconciliationXML/fileHeader*

diagram	 <pre> graph LR fileHeader[fileHeader] --- container(()) container --- interfaceVersionNo[interfaceVersionNo] container --- fileCreationDate[fileCreationDate] container --- processingDate[processingDate] container --- productionFlag[productionFlag] </pre> <p>The diagram shows the structure of the fileHeader element. It is a complex content type containing four child elements: interfaceVersionNo (v1.5), fileCreationDate (Creation date of this file.), processingDate (Processing cycle date which produced this file.), and productionFlag (Indicates whether file contains test or productive data: 'P' for productive File/'T' for Testfile).</p>
properties	content complex
children	interfaceVersionNo fileCreationDate processingDate productionFlag
annotation	documentation Description of file content


5.1.3 element *merchantReconciliationXML/fileHeader/interfaceVersionNo*

diagram	 <pre> graph LR interfaceVersionNo[interfaceVersionNo] </pre> <p>The diagram shows the structure of the interfaceVersionNo element, which is a simple content type representing the version number (v1.5).</p>
type	restriction of xs:string
properties	content simple
annotation	documentation v1.5

5.1.4 element *merchantReconciliationXML/fileHeader/fileCreationDate*

diagram	
type	xs:date
properties	content simple
annotation	documentation Creation date of this file

5.1.5 element *merchantReconciliationXML/fileHeader/processingDate*

diagram	
type	xs:date
properties	content simple
annotation	documentation Processing cycle date which produced this file.

5.1.6 element *merchantReconciliationXML/fileHeader/productionFlag*

diagram	<div><div><div><div><div></div><div>productionFlag</div></div></div></div><div>Indicates whether file contains test or productive data: 'P' for productive File/'T' for Testfile</div></div>												
type	restriction of xs:string												
properties	content simple												
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>length</td><td>1</td><td></td></tr><tr><td>enumeration</td><td>P</td><td></td></tr><tr><td>enumeration</td><td>T</td><td></td></tr></table>	Kind	Value	Annotation	length	1		enumeration	P		enumeration	T	
Kind	Value	Annotation											
length	1												
enumeration	P												
enumeration	T												
annotation	documentation Indicates whether file contains test or productive data: 'P' for productive File/'T' for Testfile												

5.1.7 element *merchantReconciliationXML/mercNoticeHeader*

diagram	
type	extension of mercNoticeConfigType
properties	content complex
children	mercNoticeUniqueID mercNoticeDate noticePerFrom noticePerTo
annotation	documentation Reporting parameter of this merchant notice

5.1.8 element *merchantReconciliationXML/acqContact*

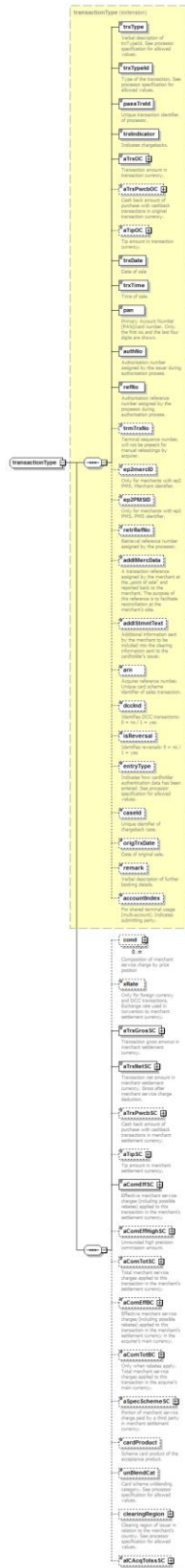
diagram	
type	mercNoticeContactType
properties	content complex minOcc 0 maxOcc 1
children	contact phoneNo faxNo eMailAddr
annotation	documentation Acquirer contact information

5.1.9 element *merchantReconciliationXML/reportingPart*

diagram	<p>The diagram illustrates the structure of the reportingPartType element. It is a complex type that contains several child elements:</p> <ul style="list-style-type: none"> reportingPart (Merchant statement): The root element of the diagram. reportingPartType (yellow box): A complex type containing: <ul style="list-style-type: none"> settlingPart (1..∞): Aggregation of merchant settlement information. It contains: <ul style="list-style-type: none"> passRepPartId: Unique identifier of the recipient of this merchant notice. repPartAddr (Recipient address): Contains a branchOfficeld (Merchant or acquirer defined identifier for a subsidiary or branch office (store)). sum (Aggregation per currency): A dashed box indicating an optional or aggregated element.
type	reportingPartType
properties	content complex
children	settlingPart passRepPartId repPartAddr branchOfficeld sum
annotation	documentation Merchant statement

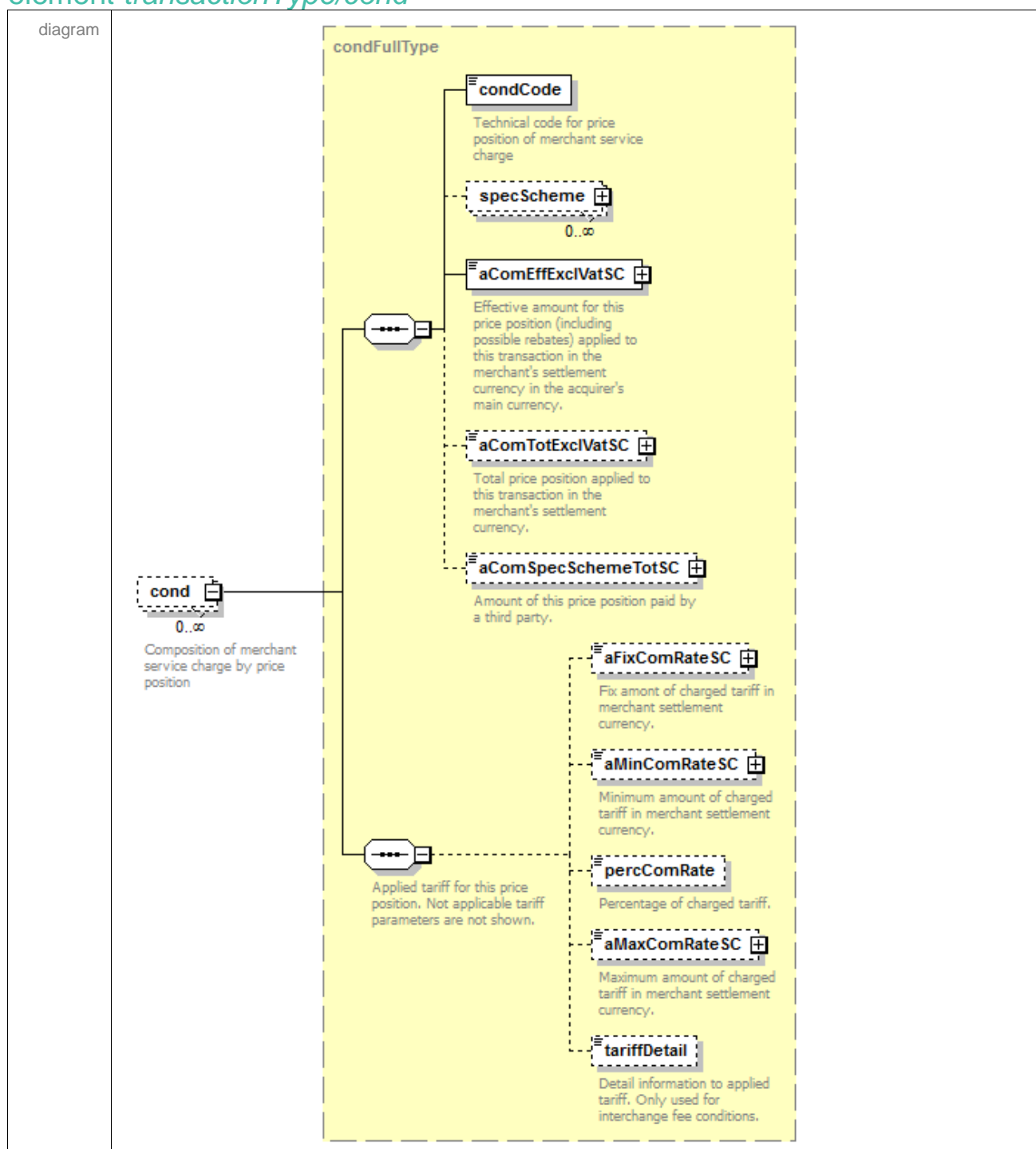
5.2.1 redefinition of *complexType transactionType*

5.2.1 redefinition of *complexType transactionType*

[illegible]

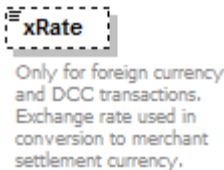
type	extension of transactionType
properties	base transactionType
children	trxType trxTypeId passTrxId trxIndicator aTrxOC aTrxPwcbOC aTipOC trxDate trxTime pan authNo refNo trmTrxNo ep2merciD ep2PMSID retrRefNo addlMercData addlStmntText arn dcclnd isReversal entryType caselD origTrxDate remark accountIndex cond xRate aTrxGrosSC aTrxNetSC aTrxPwcbSC aTipSC aComEffSC aComEffHighSC aComTotSC aComEffBC aComTotBC aSpecSchemeSC cardProduct unBlendCat clearingRegion alCACqTolssSC
used by	element summarySlipType/trx

element [transactionType/cond](#)



type	extension of condFullType	
properties	content minOcc maxOcc	complex 0 unbounded
children	condCode specScheme aComEffExcIVatSC aComTotExcIVatSC aComSpecSchemeTotSC aFixComRateSC aMinComRateSC percComRate aMaxComRateSC tariffDetail	
used by	element	summarySlipType/trx
properties	minOcc maxOcc content	0 unbounded complex
annotation	documentation	Composition of merchant service charge by price position

element *transactionType/xRate*

diagram		
type	xs:decimal	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Only for foreign currency and DCC transactions. Exchange rate used in conversion to merchant settlement currency.

element *transactionType/aTrxGrosSC*

diagram													
type	amtType												
properties	content complex												
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Annotation</th></tr></thead><tbody><tr><td>c</td><td>derived by: xs:string</td><td>required</td><td>documentation currency code</td></tr><tr><td>e</td><td>derived by: xs:integer</td><td>required</td><td>documentation exponent</td></tr></tbody></table>	Name	Type	Use	Annotation	c	derived by: xs:string	required	documentation currency code	e	derived by: xs:integer	required	documentation exponent
Name	Type	Use	Annotation										
c	derived by: xs:string	required	documentation currency code										
e	derived by: xs:integer	required	documentation exponent										
annotation	documentation Transaction gross amonut in merchant settlement currency.												

element *transactionType/aTrxNetSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Transaction net amount in merchant settlement currency. Gross after merchant service charge deduction.			

element *transactionType/aTrxPwcbSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Cash back amount of purchase with cashback transactions in merchant settlement currency.			

element *transactionType/aTipSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Tip amount in merchant settlement currency.			

element *transactionType/aComEffSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Effective merchant service charges (including possible rebates) applied to this transaction in the merchant's settlement currency.			

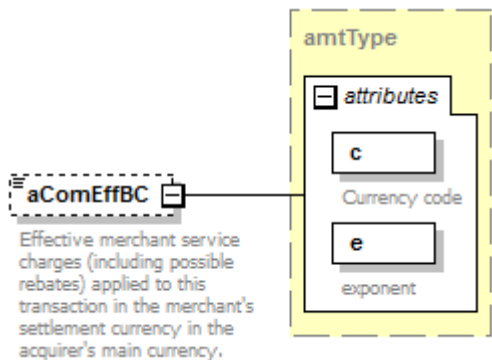
element *transactionType/aComEffHighSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation Unrounded high precision commission amount.				

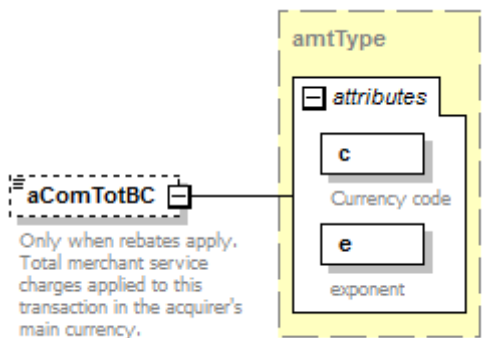
element *transactionType/aComTotSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation Total merchant service charges applied to this transaction in the merchant's settlement currency.				

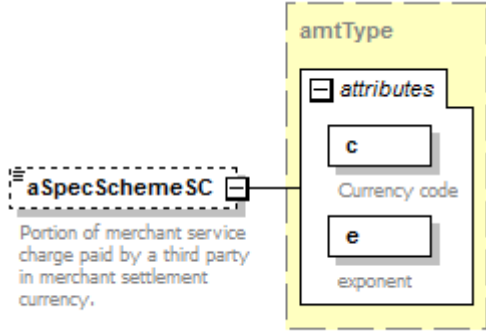
element *transactionType/aComEffBC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Effective merchant service charges (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency.			


element *transactionType/aComTotBC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Only when rebates apply. Total merchant service charges applied to this transaction in the acquirer's main currency.			

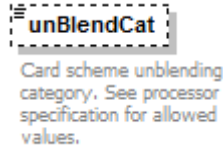
element *transactionType/aSpecSchemeSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Portion of merchant service charge paid by a third party in merchant settlement currency.			

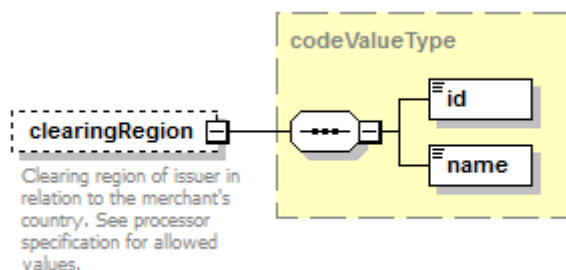
element *transactionType/cardProduct*

diagram					
type	xs:string				
properties	content	simple			
	minOcc	0			
	maxOcc	1			
annotation	documentation	Scheme card product of the acceptance product.			

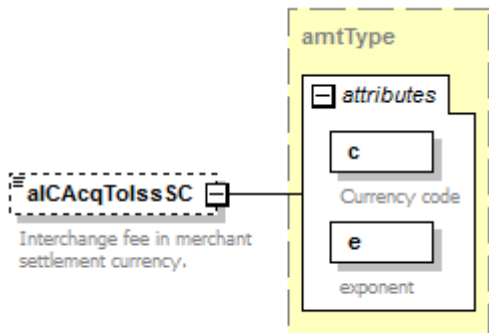
element *transactionType/unBlendCat*

diagram					
type	restriction of	xs:integer			
properties	content	simple			
	minOcc	0			
	maxOcc	1			
facets	content	Value			
	minInclusive	0			
	maxInclusive	3			
annotation	documentation	Card scheme unblending category. See processor specification for allowed values.			

element *transactionType/clearingRegion*

diagram			
type	codeValueType		
properties	content minOcc maxOcc	complex 0 1	
children	id name		
annotation	documentation	Clearing region of issuer in relation to the merchant's country. See processor specification for allowed values.	

element *transactionType/alCAcqTolssSC*

diagram			
type	amtType		
properties	content minOcc maxOcc	complex 0 1	
attributes	Name c e	Type derived by: xs:string derived by: xs:integer	Use required required Annotation documentation documentation currency code exponent
annotation	documentation	Interchange fee in merchant settlement currency.	

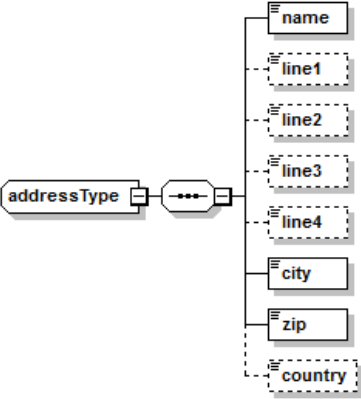
5.2.2 complexType *addressRecipientType*

diagram	<p>The diagram illustrates the addressRecipientType complex type. It is an extension of the addressType complex type. The addressRecipientType contains a sequence of elements: name, line1, line2, line3, line4, city, zip, and country. Additionally, it has a choice element fCopyFlag, which is a boolean flag indicating if the notice is an original or a copy.</p>
type	extension of addressType
properties	base addressType
children	name line1 line2 line3 line4 city zip country fCopyFlag

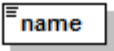
element *addressRecipientType/fCopyFlag*

diagram	<p>The diagram shows the fCopyFlag element, which is a boolean flag indicating if the notice is an original or a copy.</p>
type	restriction of xs:string
properties	content simple minOcc 0 maxOcc 1
facets	Kind Value enumeration N enumeration Y
annotation	documentation indicates if this is an original or a copy merc notice


5.2.3 complexType *addressType*

diagram		
children	name line1 line2 line3 line4 city zip country	
used by	elements	businessPartType/busPartAddr reportingPartType/repPartAddr settlingPartType/stlPartAddr
	complexType	addressRecipientType

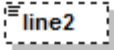
element *addressType/name*

diagram		
type	xs:string	
properties	content	simple

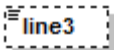
element *addressType/line1*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1

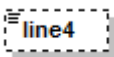
element *addressType/line2*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1

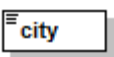
element *addressType/line3*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1


element *addressType/line4*

diagram							
type	xs:string						
properties	<table> <tr> <td>content</td><td>simple</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> </table>	content	simple	minOcc	0	maxOcc	1
content	simple						
minOcc	0						
maxOcc	1						

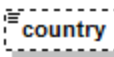
element *addressType/city*

diagram			
type	xs:string		
properties	<table> <tr> <td>content</td><td>simple</td></tr> </table>	content	simple
content	simple		

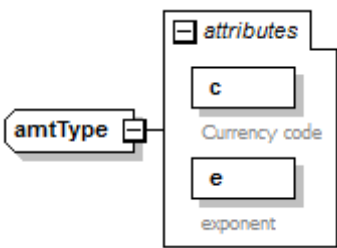
element *addressType/zip*

diagram			
type	xs:string		
properties	<table> <tr> <td>content</td><td>simple</td></tr> </table>	content	simple
content	simple		

element *addressType/country*

diagram							
type	xs:string						
properties	<table> <tr> <td>content</td><td>simple</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> </table>	content	simple	minOcc	0	maxOcc	1
content	simple						
minOcc	0						
maxOcc	1						

5.2.4 complexType *amtType*

diagram			
type	extension of xs:decimal		
properties	<table> <tr> <td>base</td><td>xs:decimal</td></tr> </table>	base	xs:decimal
base	xs:decimal		
used by	elements closingBalanceType/aClBalSC sumSCType/aComEffBC transactionType/aComEffBC condType/aComEffExclVatSC sumSCType/aComEffHighSC transactionType/aComEffHighSC topupTrxType/aComEffSC sumSCType/aComEffSC transactionType/aComEffSC condType/aComSpecSchemeTotSC sumSCType/aComTotBC transactionType/aComTotBC condType/aComTotExclVatSC sumSCType/aComTotSC transactionType/aComTotSC sumOCType/aDelTrxOC sumOCType/aErrTrxOC financialAdjustmentType/aFAdjComEffSC financialAdjustmentType/aFAdjGrosSC financialAdjustmentType/aFAdjNetSC sumSCType/aFAdjNetSC condFullType/aFixComRateSC sumSCType/aGrosSC transactionType/aCACqToIssSC condFullType/aMaxComRateSC		

	condFullType/aMinComRateSC sumSCType/aNetSC openingBalanceType/aOpBalSC sumSCType/aPaymentSC sumSCType/aRoundDiffSC specSchemeType/aSpecSchemeSC transactionType/aSpecSchemeSC sumSCType/aSpecSchemeSC baseTrxType/aTipOC sumOCType/aTipOC transactionType/aTipSC sumSCType/aTipSC sumSCType/aTrxGrosSC transactionType/aTrxGrosSC sumSCType/aTrxNetSC transactionType/aTrxNetSC topupTrxType/aTrxNetSC topupTrxType/aTrxOC baseTrxType/aTrxOC sumOCType/aTrxOC sumOCType/aTrxPwcbOC baseTrxType/aTrxPwcbOC transactionType/aTrxPwcbSC sumSCType/aTrxPwcbSC				
	complex type	amtVATType			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent

5.2.5 complexType *amtVATType*

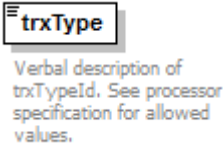
diagram					
type	extension of amtType				
properties	base amtType				
used by	elements	sumSCType/aVatBC sumSCType/aVatSC			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
	aVATPer	xs:decimal	required		

5.2.6 complexType *baseTrxType*

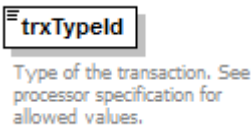
diagram	<p>txType Verbal description of txTypeid. See processor specification for allowed values.</p> <p>txTypeid Type of the transaction. See processor specification for allowed values.</p> <p>passTrxid Unique transaction identifier of processor.</p> <p>txIndicator Indicates chargebacks.</p> <p>aTrxOC Transaction amount in transaction currency.</p> <p>aTrxPwcbOC Cash back amount of purchase with cashback transactions in original transaction currency.</p> <p>aTipOC Tip amount in transaction currency.</p> <p>trxDate Date of sale.</p> <p>trxTime Time of sale.</p> <p>pan Primary Account Number (PAN)/card number. Only the first six and the last four digits are shown.</p> <p>authNo Authorization number assigned by the issuer during authorization process.</p> <p>refNo Authorization reference number assigned by the processor during authorization process.</p> <p>trmTrxNo Terminal sequence number, will not be present for manual bookings by acquirer.</p> <p>ep2merciD Only for merchants with ep2 PMS. Merchant identifier.</p> <p>ep2PMSID Only for merchants with ep2 PMS. PMS identifier.</p> <p>retrRefNo Retrieval reference number assigned by the processor.</p> <p>addlMercData A transaction reference assigned by the merchant at the point of sale and reported back to the merchant. The purpose of this reference is to facilitate reconciliation at the merchant's side.</p> <p>addlStmntText Additional information sent by the merchant to be included into the clearing information sent to the cardholder's issuer.</p> <p>arn Acquirer reference number, Unique card scheme identifier of sales transaction.</p> <p>dcclnd Identifies DCC transactions: 0 = no / 1 = yes</p> <p>isReversal Identifies reversals: 0 = no / 1 = yes</p> <p>entryType Indicates how cardholder authentication data has been entered. See processor specification for allowed values.</p> <p>caseId Unique identifier of chargeback case.</p> <p>origTrxDate Date of original sale.</p> <p>remark Verbal description of further booking details.</p> <p>accountIndex For shared terminal usage (multi-account). Indicates submitting party.</p>
children	txType txTypeid passTrxid txIndicator aTrxOC aTrxPwcbOC aTipOC trxDate trxTime pan authNo refNo trmTrxNo ep2merciD ep2PMSID retrRefNo addlMercData addlStmntText arn dcclnd isReversal entryType caseId origTrxDate remark accountIndex

used by	complexType errTransactionType
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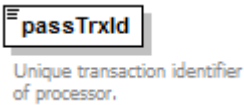
element *baseTrxType*/trxType

diagram	
type	xs:string
properties	content simple
annotation	documentation Verbal description of trxTypeId. See processor specification for allowed values.

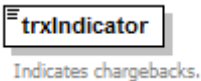
element *baseTrxType*/trxTypeId

diagram	
type	xs:string
properties	content simple
annotation	documentation Type of the transaction. See processor specification for allowed values.

element *baseTrxType*/passTrxId

diagram	
type	xs:string
properties	content simple
annotation	documentation Unique transaction identifier of processor.

element *baseTrxType*/trxIndicator

diagram	
type	xs:string
properties	content simple
annotation	documentation Indicates chargebacks.

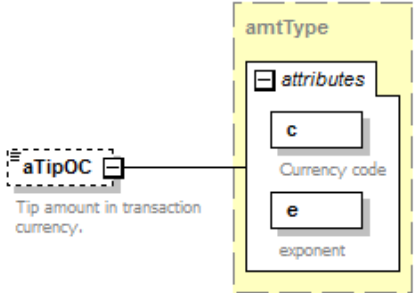
element *baseTrxType/aTrxOC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Transaction amount in transaction currency.			


element *baseTrxType/aTrxPwcbOC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Cash back amount of purchase with cashback transactions in original transaction currency.			


element *baseTrxType/aTipOC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Tip amount in transaction currency.			

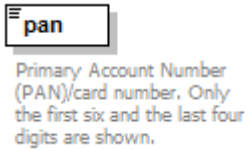
element *baseTrxType/trxDate*

diagram					
type	xs:date				
properties	content	simple			
annotation	documentation	Date of sale			


element *baseTrxType/trxTime*

diagram					
type	xs:time				
properties	content	simple			
annotation	documentation	Time of sale			


element *baseTrxType/pan*

diagram					
type	restriction of	xs:string			
properties	content	simple			
facets	Kind	Value			
	maxLength	19			
annotation	documentation	Primary Account Number (PAN)/card number. Only the first six and the last four digits are shown.			

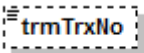
element *baseTrxType/authNo*

diagram	 <p>Authorisation number assigned by the issuer during authorisation process.</p>	
type	restriction of xs:string	
properties	content	simple
facets	Kind maxLength	Value 6
annotation	documentation	Authorisation number assigned by the issuer during authorisation process.

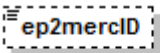
element *baseTrxType/refNo*

diagram	 <p>Authorisation reference number assigned by the processor during authorisation process.</p>	
type	restriction of xs:string	
properties	content	simple
facets	Kind maxLength	Value 24
annotation	documentation	Authorisation reference number assigned by the processor during authorisation process.

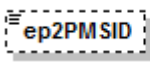
element *baseTrxType/trmTrxNo*

diagram	 <p>Terminal sequence number, will not be present for manual rebookings by acquirer.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Terminal sequence number, will not be present for manual rebookings by acquirer.


element *baseTrxType/ep2mercID*

diagram	 <p>Only for merchants with ep2 PMS. Merchant identifier.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Only for merchants with ep2 PMS. Merchant identifier.


element *baseTrxType/ep2PMSID*

diagram	 <p>Only for merchants with ep2 PMS. PMS identifier.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Only for merchants with ep2 PMS. PMS identifier.


element *baseTrxType/retrRefNo*

diagram	 <p>Retrieval reference number assigned by the processor.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Retrieval reference number assigned by the processor.

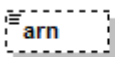
element *baseTrxType/addlMercData*

diagram	 <p>A transaction reference assigned by the merchant at the „point of sale“ and reported back to the merchant. The purpose of this reference is to facilitate reconciliation at the merchant's side.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	A transaction reference assigned by the merchant at the „point of sale“ and reported back to the merchant. The purpose of this reference is to facilitate reconciliation at the merchant's side.

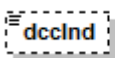
element *baseTrxType/addlStmntText*

diagram	 <p>Additional information sent by the merchant to be included into the clearing information sent to the cardholder's issuer.</p>	
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Additional information sent by the merchant to be included into the clearing information sent to the cardholder's issuer.

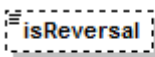
element *baseTrxType/arn*

diagram	 <p>Acquirer reference number, Unique card scheme identifier of sales transaction.</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Acquirer reference number, Unique card scheme identifier of sales transaction.


element *baseTrxType/dccInd*

diagram	 <p>Identifies DCC transactions: 0 = no / 1 = yes</p>	
type	restriction of	xs:string
properties	content	simple
	minOcc	0
	maxOcc	1
facets	Kind	Value
	enumeration	0
	enumeration	1
annotation	documentation	Identifies DCC transactions: 0 = no / 1 = yes


element *baseTrxType/isReversal*

diagram	 <p>Identifies reversals: 0 = no / 1 = yes</p>	
type	restriction of	xs:string
properties	content	simple
	minOcc	0
	maxOcc	1
facets	Kind	Value
	enumeration	0
	enumeration	1
annotation	documentation	Identifies reversals: 0 = no / 1 = yes


element *baseTrxType/entryType*

diagram	 <p>Indicates how cardholder authentication data has been entered. See processor specification for allowed values.</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Indicates how cardholder authentication data has been entered. See processor specification for allowed values.

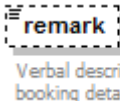
element *baseTrxType/caseld*

diagram		
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Unique identifier of chargeback case.


element *baseTrxType/origTrxDate*

diagram		
type	xs:date	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Date of original sale.

element *baseTrxType/remark*

diagram		
type	xs:string	
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Verbal description of further booking details.

element *baseTrxType/accountIndex*

diagram		
type	restriction of	xs:int
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	For shared terminal usage (multi-account). Indicates submitting party.

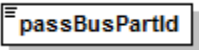
5.2.7 complexType *businessPartType*

diagram	
children	contract passBusPartId busPartAddr branchOfficeld sum
used by	element paymentType/businessPart

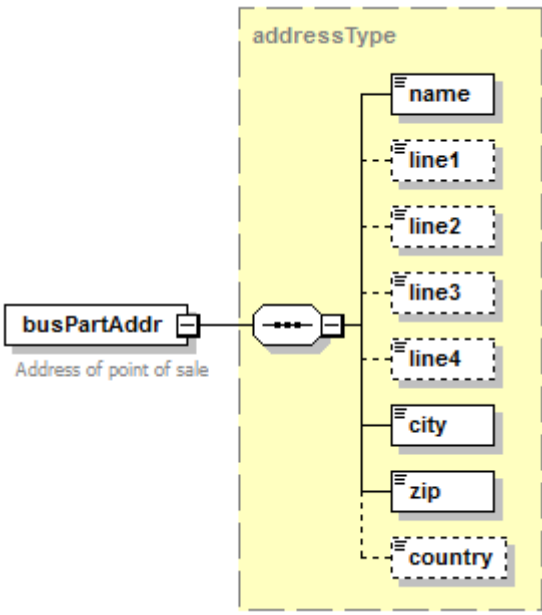
element *businessPartType/contract*

diagram	
type	extension of contractType
properties	content complex minOcc 0 maxOcc unbounded
children	stlEntry extVPNo contractCategory sum
annotation	documentation Aggregation by contract. E.g. presence, E-Commerce, etc.


element *businessPartType/passBusPartId*

diagram	 <p>Unqie identifier of point of sale (business partner).</p>
type	xs:string
properties	content simple
annotation	documentation Unqie identifier of point of sale (business partner).

element *businessPartType/busPartAddr*

diagram	 <p>The diagram shows the busPartAddr element (labeled "Address of point of sale") connected to a dashed box labeled addressType. Inside the addressType box, the following elements are listed: name, line1, line2, line3, line4, city, zip, and country. The line1 through line4 elements are shown with dashed borders, indicating they are optional or part of a sequence.</p>
type	addressType
properties	content complex
children	name line1 line2 line3 line4 city zip country
annotation	documentation Address of point of sale

element *businessPartType/branchOfficId*

diagram	 <p>Merchant or acquirer defined identifier for a subsidiary or branch office (store)</p>
type	restriction of xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Merchant or acquirer defined identifier for a subsidiary or branch office (store)

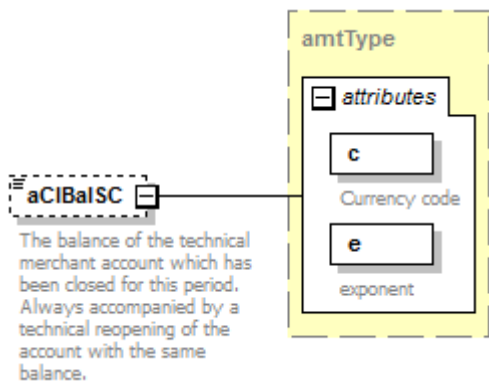
element *businessPartType/sum*

diagram		
type	sum1SCManyOCType	
properties	content	complex
	minOcc	0
	maxOcc	1
children	sumSC sumOC	
annotation	documentation	Aggregation by currency.

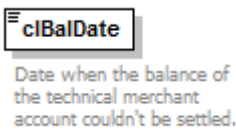
5.2.8 complexType *closingBalanceType*

diagram		
children	aClBalSC clBalDate clBalReason	
used by	element	paymentType/closingBalance

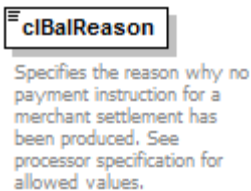
element *closingBalanceType/aCIbaISC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	The balance of the technical merchant account which has been closed for this period. Always accompanied by a technical reopening of the account with the same balance.			

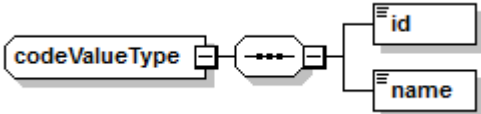
element *closingBalanceType/clBalDate*

diagram					
type	xs:date				
properties	content	simple			
annotation	documentation	Date when the balance of the technical merchant account couldn't be settled.			

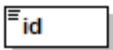
element *closingBalanceType/clBalReason*

diagram					
type	xs:string				
properties	content	simple			
annotation	documentation	Specifies the reason why no payment instruction for a merchant settlement has been produced. See processor specification for allowed values.			


5.2.9 complexType *codeValueType*

diagram	
children	id name
used by	element transactionType/clearingRegion

element *codeValueType/id*

diagram	
type	xs:int
properties	content simple

element *codeValueType/name*

diagram	
type	xs:string
properties	content simple

5.2.10 complexType condFullType

diagram	<p>condFullType</p> <p>condType (extension)</p> <ul style="list-style-type: none"> condCode Technical code for price position of merchant service charge specScheme $0..∞$ aComEffExclVatSC Effective amount for this price position (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency. aComTotExclVatSC Total price position applied to this transaction in the merchant's settlement currency. aComSpecSchemeTotSC Amount of this price position paid by a third party. <p>Applied tariff for this price position. Not applicable tariff parameters are not shown.</p> <ul style="list-style-type: none"> aFixComRateSC Fix amount of charged tariff in merchant settlement currency. aMinComRateSC Minimum amount of charged tariff in merchant settlement currency. percComRate Percentage of charged tariff. aMaxComRateSC Maximum amount of charged tariff in merchant settlement currency. tariffDetail Detail information to applied tariff. Only used for interchange fee conditions.
type	extension of condType
properties	base condType
children	condCode specScheme aComEffExclVatSC aComTotExclVatSC aComSpecSchemeTotSC aFixComRateSC aMinComRateSC percComRate aMaxComRateSC tariffDetail
used by	element transactionType/cond sumSCType/sumCond

element *condFullType/aFixComRateSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Fix amount of charged tariff in merchant settlement currency.			

element *condFullType/aMinComRateSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Minimum amount of charged tariff in merchant settlement currency.			

element *condFullType/percComRate*

diagram					
type	restriction of	xs:decimal			
properties	content	simple			
	minOcc	0			
	maxOcc	1			
facets	Kind	Value			
	fractionDigits	4			
annotation	documentation	Percentage of charged tariff.			

element *condFullType/aMaxComRateSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Maximum amount of charged tariff in merchant settlement currency.			

element *condFullType/tariffDetail*

diagram					
type	xs:string				
properties	content	simple			
	minOcc	0			
	maxOcc	1			
annotation	documentation	Detail information to applied tariff. Only used for interchange fee conditions.			

5.2.11 complexType *condType*

diagram	
children	condCode specScheme aComEffExclVatSC aComTotExclVatSC aComSpecSchemeTotSC
used by	complexType condFullType

element *condType/condCode*

diagram	
type	xs:string
properties	content simple
annotation	documentation Technical code for price position of merchant service charge

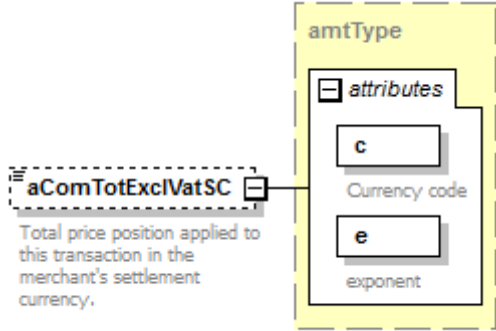
element *condType/specScheme*

diagram							
type	specSchemeType						
properties	<table> <tr> <td>content</td><td>complex</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>unbounded</td></tr> </table>	content	complex	minOcc	0	maxOcc	unbounded
content	complex						
minOcc	0						
maxOcc	unbounded						
children	programID schemeType aSpecSchemeSC						

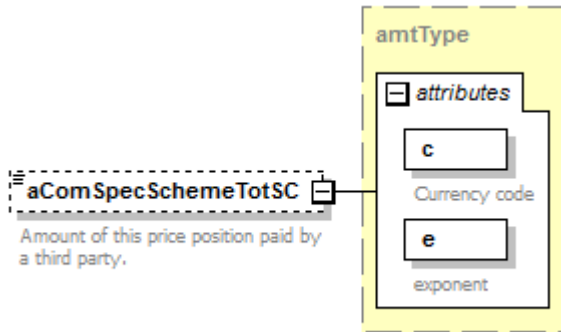
element *condType/aComEffExclVatSC*

diagram													
type	amtType												
properties	<table><tr><td>content</td><td>complex</td></tr><tr><td>minOcc</td><td>0</td></tr><tr><td>maxOcc</td><td>1</td></tr></table>	content	complex	minOcc	0	maxOcc	1						
content	complex												
minOcc	0												
maxOcc	1												
attributes	<table><tr><th>Name</th><th>Type</th><th>Use</th><th>Annotation</th></tr><tr><td>c</td><td>derived by: xs:string</td><td>required</td><td>documentation currency code</td></tr><tr><td>e</td><td>derived by: xs:integer</td><td>required</td><td>documentation exponent</td></tr></table>	Name	Type	Use	Annotation	c	derived by: xs:string	required	documentation currency code	e	derived by: xs:integer	required	documentation exponent
Name	Type	Use	Annotation										
c	derived by: xs:string	required	documentation currency code										
e	derived by: xs:integer	required	documentation exponent										
annotation	<table><tr><td>documentation</td><td>Effective amount for this price position (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency.</td></tr></table>	documentation	Effective amount for this price position (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency.										
documentation	Effective amount for this price position (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency.												

element *condType/aComTotExclVatSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Total price position applied to this transaction in the merchant's settlement currency.			

element *condType/aComSpecSchemeTotSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Amount of this price position paid by a third party.			

5.2.12 complexType *contractType*

diagram	
children	stlEntry extVPNo contractCategory sum
used by	element businessPartType/contract

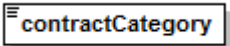
element *contractType/stlEntry*

diagram	
type	stlEntryType
properties	content complex minOcc 0 maxOcc unbounded
children	fAdj sumSlip
annotation	documentation Booking entry on the technical merchant settlement account.

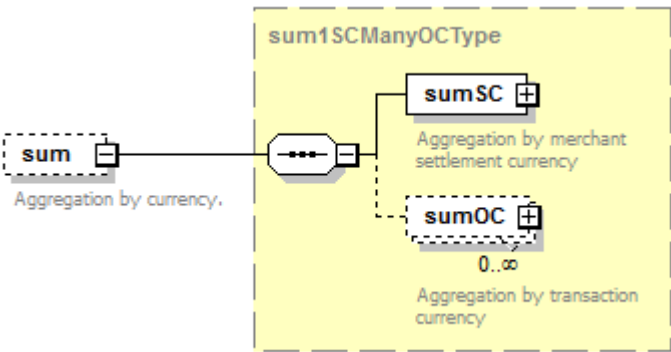
element *contractType/extVPNo*

diagram	
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Unique identifier for point of sale and contract

element *contractType/contractCategory*

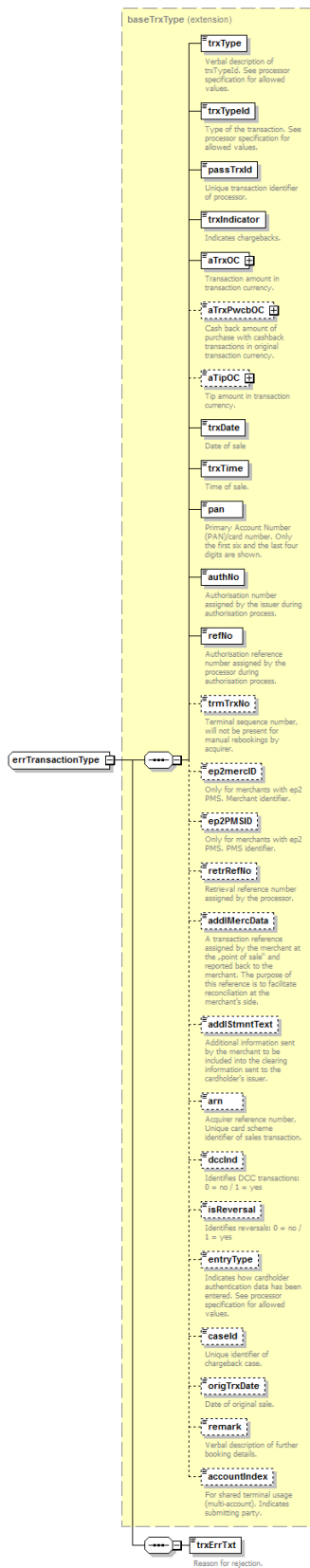
diagram	 <p>contractCategory</p> <p>Category of acceptance contract. See documentation for allowed values.</p>
type	xs:integer
properties	content simple
annotation	documentation Category of acceptance contract. See documentation for allowed values.

element *contractType/sum*

diagram	 <p>The diagram illustrates the structure of the sum element. It is represented as a dashed box labeled sum with the text "Aggregation by currency." below it. A line connects this box to a larger yellow box labeled sum1SCManyOCType. Inside this yellow box, there are two sub-elements: sumSC (labeled "Aggregation by merchant settlement currency") and sumOC (labeled "Aggregation by transaction currency" with a range of 0..∞ below it). The sum box is connected to the sum1SCManyOCType box via a line that passes through a small octagonal connector.</p>
type	sum1SCManyOCType
properties	content complex minOcc 0 maxOcc 1
children	sumSC sumOC
annotation	documentation Aggregation by currency.

5.2.13 complexType errTransactionType

diagram



type


extension of [baseTrxType](#)

properties

base [baseTrxType](#)

children	trxType trxTypeId passTrxId trxIndicator aTrxOC aTrxPwcbOC aTipOC trxDate trxTime pan authNo refNo trmTrxNo ep2merclD ep2PMSID retrRefNo addlMercData addlStmntText arn dcclnd isReversal entryType caseld origTrxDate remark accountIndex trxErrTxt
used by	element summarySlipType/errTrx

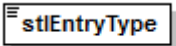
element *errTransactionType/trxErrTxt*

diagram	
type	xs:string
properties	content simple
annotation	documentation Reason for rejection.

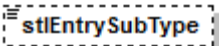
5.2.14 complexType *financialAdjustmentType*

diagram	<p>financialAdjustmentType</p> <ul style="list-style-type: none"> stlEntryType: Identifies the cause of a financial adjustment. See acquirer specification for allowed values. stlEntrySubType: Code indicating further details for monthly service charges. Currently only used for some stlEntryTypes to distinguish between credit/debit. prod: Acceptance product of this financial adjustment. See processor specification for allowed values. fAdjDate: Booking date of the financial adjustment. passStlEntryNo: Unique identifier of the financial adjustment. aFAdjNetSC: Booked amount. Only for StlEntryType 48 "Refund of disputed transaction": aFAdjGrosSC-aFAdjComEffSC. aFAdjGrosSC: Identical to aFAdjNetSC. Only for stlEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction. aFAdjComEffSC: Only for stlEntryType 48 "Refund for disputed transaction": Merchant service charge of disputed transaction. vatPercentage: If charged service is VAT applicable: VAT percentage. Choice: This is a choice between fAdjText and a set of txtElem. <ul style="list-style-type: none"> fAdjText: Verbal description of further booking details. txtElem: Generated description of further booking details. (1..∞) topupTrx: Only for merchants accepting Swiss mobile vouchers and stlEntryType 36 "FAdj Mob_Voucher". Details of sold mobile vouchers. (0..∞)
children	stlEntryType stlEntrySubType prod fAdjDate passStlEntryNo aFAdjNetSC aFAdjGrosSC aFAdjComEffSC vatPercentage fAdjText txtElem topupTrx
used by	element paymentType/fAdj stlEntryType/fAdj

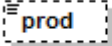
element *financialAdjustmentType/stlEntryType*

diagram	 <p>Identifies the cause of a financial adjustment. See acquirer specification for allowed values.</p>	
type	xs:string	
properties	content	simple
annotation	documentation	Identifies the cause of a financial adjustment. See acquirer specification for allowed values.


element *financialAdjustmentType/stlEntrySubType*

diagram	 <p>Code indicating further details for monthly service charges. Currently only used for some stlEntryTypes to distinguish between credit/debit</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Code indicating further details for monthly service charges. Currently only used for some stlEntryTypes to distinguish between credit/debit


element *financialAdjustmentType/prod*

diagram	 <p>Acceptance product of this financial adjustment. See processor specification for allowed values.</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Acceptance product of this financial adjustment. See processor specification for allowed values.

element *financialAdjustmentType/fAdjDate*

diagram	 <p>Booking date of the financial adjustment</p>	
type	xs:date	
properties	content	simple
annotation	documentation	Booking date of the financial adjustment

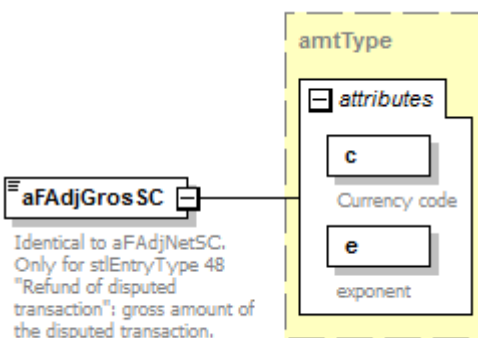
element *financialAdjustmentType/passStlEntryNo*

diagram	 <p>Unique identifier of the financial adjustment</p>
type	xs:string
properties	content simple
annotation	documentation Unique identifier of the financial adjustment

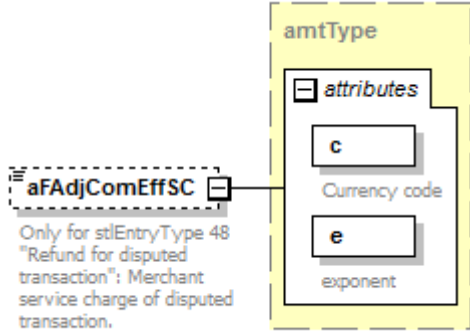
element *financialAdjustmentType/aFAdjNetSC*

diagram													
type	amtType												
properties	content complex												
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Annotation</th></tr></thead><tbody><tr><td>c</td><td>derived by: xs:string</td><td>required</td><td>documentation currency code</td></tr><tr><td>e</td><td>derived by: xs:integer</td><td>required</td><td>documentation exponent</td></tr></tbody></table>	Name	Type	Use	Annotation	c	derived by: xs:string	required	documentation currency code	e	derived by: xs:integer	required	documentation exponent
Name	Type	Use	Annotation										
c	derived by: xs:string	required	documentation currency code										
e	derived by: xs:integer	required	documentation exponent										
annotation	documentation Booked amount. Only for StlEntryType 48 "Refund of disputed transaction": aFAdjGrosSC-aFAdjComEffSC												

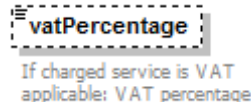
element *financialAdjustmentType/aFAdjGrosSC*

diagram	 <p>Identical to aFAdjNetSC. Only for stlEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction.</p>												
type	amtType												
properties	content complex												
attributes	<table><tr><th>Name</th><th>Type</th><th>Use</th><th>Annotation</th></tr><tr><td>c</td><td>derived by: xs:string</td><td>required</td><td>documentation currency code</td></tr><tr><td>e</td><td>derived by: xs:integer</td><td>required</td><td>documentation exponent</td></tr></table>	Name	Type	Use	Annotation	c	derived by: xs:string	required	documentation currency code	e	derived by: xs:integer	required	documentation exponent
Name	Type	Use	Annotation										
c	derived by: xs:string	required	documentation currency code										
e	derived by: xs:integer	required	documentation exponent										
annotation	<table><tr><td>documentation</td><td>Identical to aFAdjNetSC. Only for stlEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction.</td></tr></table>	documentation	Identical to aFAdjNetSC. Only for stlEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction.										
documentation	Identical to aFAdjNetSC. Only for stlEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction.												

element *financialAdjustmentType/aAdjComEffSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Only for stlEntryType 48 "Refund for disputed transaction": Merchant service charge of disputed transaction.			

element *financialAdjustmentType/vatPercentage*

diagram		
type	xs:decimal	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	If charged service is VAT applicable: VAT percentage

element *financialAdjustmentType/fAdjText*

diagram	
type	xs:string
properties	content simple
annotation	documentation Verbal description of further booking details.

element *financialAdjustmentType/txtElem*

diagram	<p>The diagram illustrates the structure of the <code>txtElem</code> element. It is a complex type named <code>txtElemType</code> (highlighted in yellow). The structure is as follows:</p> <ul style="list-style-type: none"> <code>txtElem</code> (1..∞) is the root element, with the documentation: "Generated description of further booking details." <ul style="list-style-type: none"> It contains a choice (indicated by a dashed circle) of two components: <ul style="list-style-type: none"> An <code>id</code> attribute. A choice (indicated by a solid circle) of five value types: <code>valueString</code>, <code>valueDecimal</code>, <code>valueDate</code>, <code>valueLong</code>, and <code>valueBoolean</code>. 	
type	txtElementType	
properties	content	complex
	minOcc	1
	maxOcc	unbounded
children	id valueString valueDecimal valueDate valueLong valueBoolean	
annotation	documentation	Generated description of further booking details.

element *financialAdjustmentType/topupTrx*

diagram	<p>topupTrx 0..∞ Only for merchants accepting Swiss mobile vouchers and stlEntryType 36 "FAdj Mob_Voucher". Details of sold mobile vouchers.</p> <p>topupTrxType</p> <ul style="list-style-type: none"> trxType Type of the mobile voucher. See processor documentation for allowed values. origin Protocol used in delivery of transaction to processor. aTrxOC Sold mobile voucher amount. aComEffSC Merchant kickback. aTrxNetSC Net merchant debt of mobile voucher sale. trxDate Date of sale. trxTime Time of sale. trmTrxNo Terminal transaction number of sold mobile voucher. ep2mercID Only for merchants with ep2 PMS. Merchant identifier. ep2PMSID Only for merchants with ep2 PMS. PMS identifier. trmId Terminal identifier. trmPer Terminal period during sale. prod Mobile voucher product. See processor specification for allowed values. 	
type	<u>topupTrxType</u>	
properties	content	complex
	minOcc	0
	maxOcc	unbounded
children	<u>trxType</u> <u>origin</u> <u>aTrxOC</u> <u>aComEffSC</u> <u>aTrxNetSC</u> <u>trxDate</u> <u>trxTime</u> <u>trmTrxNo</u> <u>ep2mercID</u> <u>ep2PMSID</u> <u>trmId</u> <u>trmPer</u> <u>prod</u>	
annotation	documentation	Only for merchants accepting Swiss mobile vouchers and stlEntryType 36 "FAdj Mob_Voucher". Details of sold mobile vouchers

5.2.15 complexType *mercNoticeConfigType*

diagram	
children	mercNoticeUniqueID mercNoticeDate noticePerFrom noticePerTo
used by	element merchantReconciliationXML/mercNoticeHeader

element *mercNoticeConfigType/mercNoticeUniqueID*

diagram	
type	xs:string
properties	content simple
annotation	documentation Unique identifier of this merchant notice

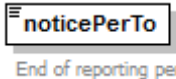
element *mercNoticeConfigType/mercNoticeDate*

diagram	
type	xs:date
properties	content simple
annotation	documentation Creation date of this merchant notice

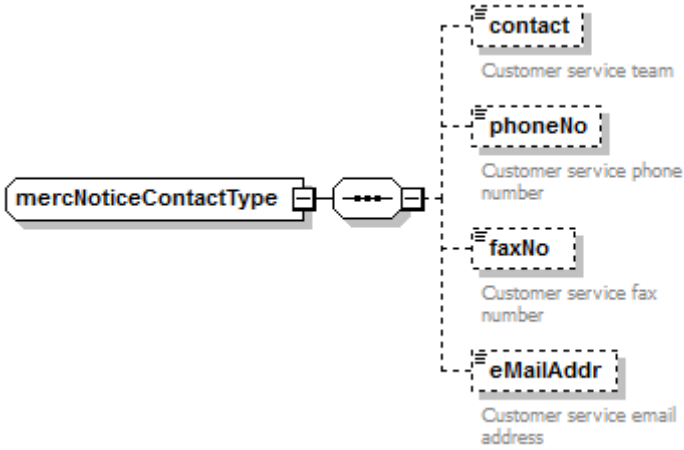
element *mercNoticeConfigType/noticePerFrom*

diagram	
type	xs:date
properties	content simple
annotation	documentation Beginning of reporting period


element *mercNoticeConfigType/noticePerTo*

diagram	 The diagram shows a rectangular box labeled 'noticePerTo' with a small icon to its left. Below the box is the text 'End of reporting period'.
type	xs:date
properties	content simple
annotation	documentation End of reporting period

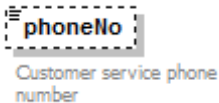
5.2.16 complexType *mercNoticeContactType*

diagram	 The diagram shows a rectangular box labeled 'mercNoticeContactType' connected by a line to a hexagonal box containing four dots. This hexagon is then connected by dashed lines to four separate dashed boxes: 'contact' (Customer service team), 'phoneNo' (Customer service phone number), 'faxNo' (Customer service fax number), and 'eMailAddr' (Customer service email address).
children	contact phoneNo faxNo eMailAddr
used by	element merchantReconciliationXML/acqContact

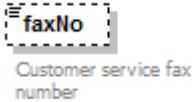
element *mercNoticeContactType/contact*

diagram	 The diagram shows a dashed rectangular box labeled 'contact' with a small icon to its left. Below the box is the text 'Customer service team'.
type	xs:string
properties	content Simple minOcc 0 maxOcc 1
annotation	documentation Customer service team

element *mercNoticeContactType/phoneNo*

diagram	 The diagram shows a dashed rectangular box labeled 'phoneNo' with a small icon to its left. Below the box is the text 'Customer service phone number'.
type	xs:string
properties	content Simple minOcc 0 maxOcc 1
annotation	documentation Customer service phone number

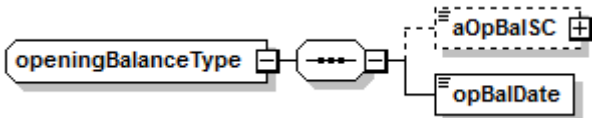
element *mercNoticeContactType/faxNo*

diagram			
type	xs:string		
properties	content	Simple	
	minOcc	0	
	maxOcc	1	
annotation	documentation	Customer service fax number	

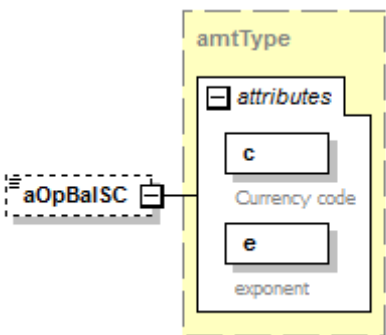
element *mercNoticeContactType/eMailAddr*

diagram			
type	xs:string		
properties	content	Simple	
	minOcc	0	
	maxOcc	1	
annotation	documentation	Customer service email address	

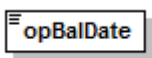
5.2.17 complexType *openingBalanceType*

diagram			
children	aOpBalSC opBalDate		
used by	element	paymentType/openingBalance	

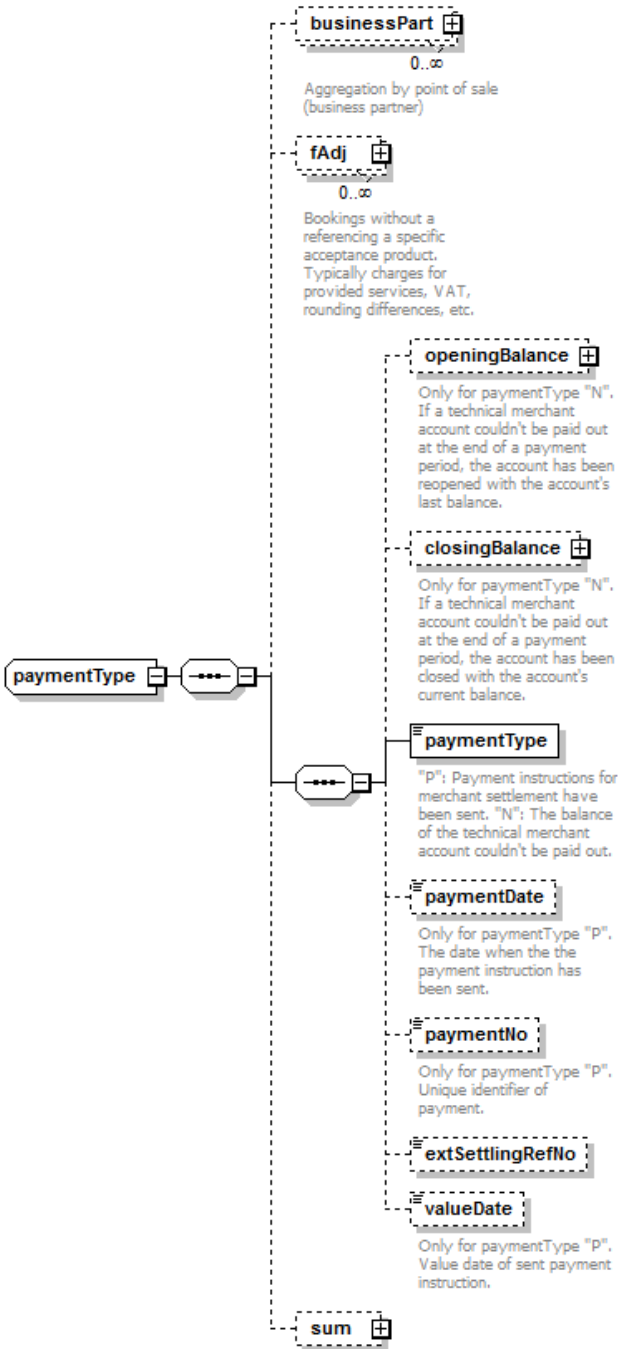
element *openingBalanceType/aOpBalSC*

diagram			
type	amtType		
properties	content	complex	
	minOcc	0	
	maxOcc	1	
attributes	Name	Type	Use
	c	derived by: xs:string	required
	e	derived by: xs:integer	required
		Annotation	documentation
		documentation	currency code
			exponent

element *openingBalanceType/opBalDate*

diagram	
type	xs:date
properties	content simple

5.2.18 complexType *paymentType*

diagram	
children	businessPart fAdj openingBalance closingBalance paymentType paymentDate paymentNo extSettlingRefNo valueDate sum
used by	element stlAccountType/payment

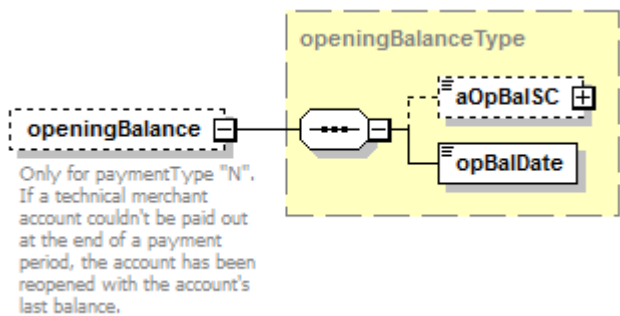
element *paymentType/businessPart*

diagram	<p>The diagram illustrates the structure of the businessPartType element. It is an aggregation of businessPart (0..∞), which is described as 'Aggregation by point of sale (business partner)'. Inside businessPartType, there are several components: contract (0..∞) with the description 'Aggregation by contract. E.g. presence, E-Commerce, etc.', passBusPartId (Unqjue identifier of point of sale (business partner)), busPartAddr (Address of point of sale), branchOfficId (Merchant or acquirer defined identifier for a subsidiary or branch office (store)), and sum (Aggregation by currency).</p>	
type	businessPartType	
properties	content minOcc maxOcc	complex 0 unbounded
children	contract passBusPartId busPartAddr branchOfficId sum	
annotation	documentation	Aggregation by point of sale (business partner)

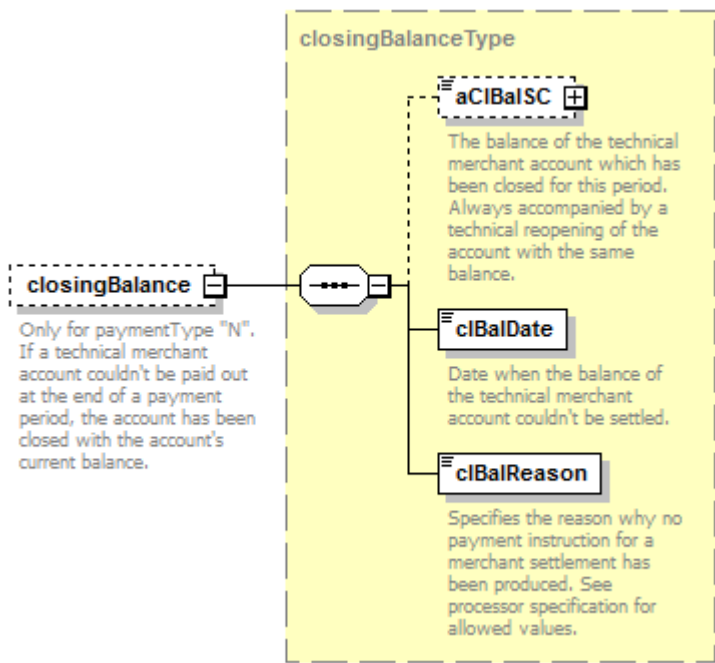
element *paymentType/fAdj*

diagram	<p>financialAdjustmentType</p> <ul style="list-style-type: none"> stEntryType: Identifies the cause of a financial adjustment. See acquirer specification for allowed values. stEntrySubType: Code indicating further details for monthly service charges. Currently only used for some stEntryTypes to distinguish between credit/debit. prod: Acceptance product of this financial adjustment. See processor specification for allowed values. fAdjDate: Booking date of the financial adjustment. passStlEntryNo: Unique identifier of the financial adjustment. aFAdjNetSC: Booked amount. Only for stEntryType 48 "Refund of disputed transaction": aFAdjGrosSC-aFAdjComEffSC. aFAdjGrosSC: Identical to aFAdjNetSC. Only for stEntryType 48 "Refund of disputed transaction": gross amount of the disputed transaction. aFAdjComEffSC: Only for stEntryType 48 "Refund for disputed transaction": Merchant service charge of disputed transaction. vatPercentage: If charged service is VAT applicable: VAT percentage. fAdjText: Verbal description of further booking details. txtElem: Generated description of further booking details. topupTrx: Only for merchants accepting Swiss mobile vouchers and stEntryType 36 "FAAdj Mob_Voucher". Details of sold mobile vouchers. <p>fAdj: 0..∞. Bookings without a referencing a specific acceptance product. Typically charges for provided services, VAT, rounding differences, etc.</p>	
type	financialAdjustmentType	
properties	content minOcc maxOcc	complex 0 unbounded
children	stlEntryType stlEntrySubType prod fAdjDate passStlEntryNo aFAdjNetSC aFAdjGrosSC aFAdjComEffSC vatPercentage fAdjText txtElem topupTrx	
annotation	documentation	Bookings without a referencing a specific acceptance product. Typically charges for provided services, VAT, rounding differences, etc.

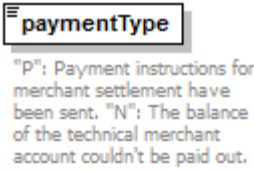
element *paymentType/openingBalance*

diagram		
type	openingBalanceType	
properties	content	complex
	minOcc	0
	maxOcc	1
children	aOpBalSC opBalDate	
annotation	documentation	Only for paymentType "N". If a technical merchant account couldn't be paid out at the end of a payment period, the account has been reopened with the account's last balance.

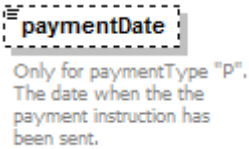
element *paymentType/closingBalance*

diagram		
type	closingBalanceType	
properties	content	complex
	minOcc	0
	maxOcc	1
children	aClBalSC clBalDate clBalReason	
annotation	documentation	Only for paymentType "N". If a technical merchant account couldn't be paid out at the end of a payment period, the account has been closed with the account's current balance.

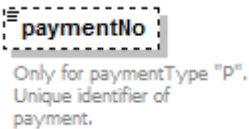
element *paymentType/paymentType*

diagram		
type	restriction of	xs:string
properties	content	simple
facets	Kind enumeration	Value P N
annotation	documentation	"P": Payment instructions for merchant settlement have been sent. "N": The balance of the technical merchant account couldn't be paid out.


element *paymentType/paymentDate*

diagram		
type		xs:date
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Only for paymentType "P". The date when the the payment instruction has been sent.

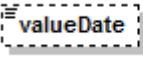
element *paymentType/paymentNo*

diagram		
type		xs:string
properties	content minOcc maxOcc	simple 0 1
annotation	documentation	Only for paymentType "P". Unique identifier of payment.

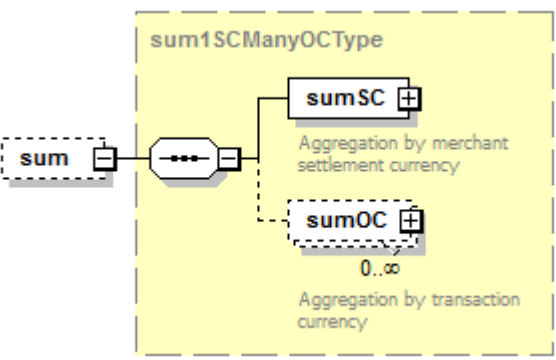
element *paymentType/extSettlingRefNo*

diagram		
type		xs:long
properties	content minOcc maxOcc	simple 0 1

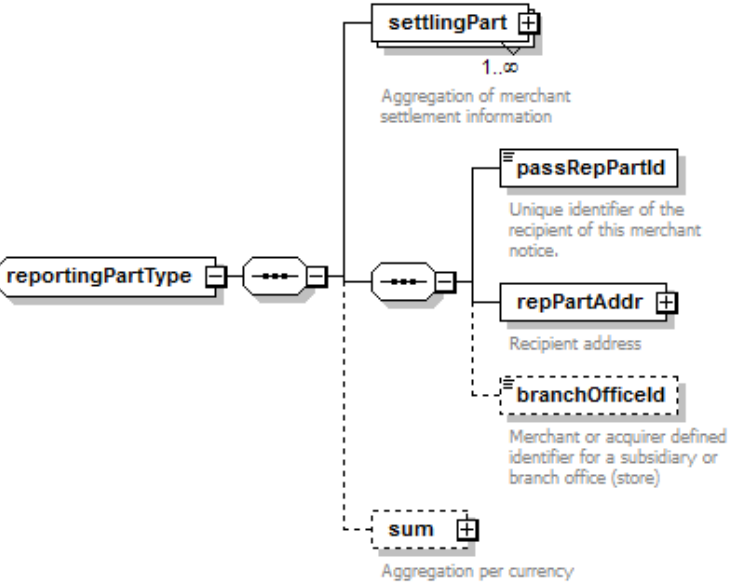
element *paymentType/valueDate*

diagram	 <p>valueDate</p> <p>Only for paymentType "P". Value date of sent payment instruction.</p>						
type	xs:date						
properties	<table> <tr> <td>content</td><td>simple</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> </table>	content	simple	minOcc	0	maxOcc	1
content	simple						
minOcc	0						
maxOcc	1						
annotation	documentation Only for paymentType "P". Value date of sent payment instruction.						

element *paymentType/sum*

diagram	 <p>The diagram shows a dashed box labeled sum connected to a larger dashed box labeled sum1SCManyOCType. Inside sum1SCManyOCType, there are two sub-elements: sumSC (with a plus sign icon) and sumOC (with a plus sign icon). sumSC is labeled "Aggregation by merchant settlement currency". sumOC is labeled "Aggregation by transaction currency" and has a cardinality of 0..∞.</p>						
type	sum1SCManyOCType						
properties	<table> <tr> <td>content</td><td>complex</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> </table>	content	complex	minOcc	0	maxOcc	1
content	complex						
minOcc	0						
maxOcc	1						
children	sumSC sumOC						

5.2.19 complexType *reportingPartType*

diagram	 <p>The diagram shows the structure of the reportingPartType complexType. It starts with a reportingPartType box connected to a dashed box containing three elements: settlingPart (with a plus sign icon, cardinality 1..∞, labeled "Aggregation of merchant settlement information"), passRepPartId (with a plus sign icon, labeled "Unique identifier of the recipient of this merchant notice."), and repPartAddr (with a plus sign icon, labeled "Recipient address"). Below these, there is a dashed box labeled branchOfficeld (with a plus sign icon, labeled "Merchant or acquirer defined identifier for a subsidiary or branch office (store)") and another dashed box labeled sum (with a plus sign icon, labeled "Aggregation per currency").</p>
children	settlingPart passRepPartId repPartAddr branchOfficeld sum
used by	element merchantReconciliationXML/reportingPart

element *reportingPartType/settlingPart*

diagram		
type	settlingPartType	
properties	content	complex
	minOcc	1
	maxOcc	unbounded
children	stlAccount passStlPartId stlPartAddr branchOfficId sum	
annotation	documentation	Aggregation of merchant settlement information

element *reportingPartType/passRepPartId*

diagram		
type	xs:string	
properties	content	simple
annotation	documentation	Unique identifier of the recipient of this merchant notice.

element *reportingPartType/repPartAddr*

diagram	
type	addressType
properties	content complex
children	name line1 line2 line3 line4 city zip country
annotation	documentation Recipient address

element *reportingPartType/branchOfficeId*

diagram	
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Merchant or acquirer defined identifier for a subsidiary or branch office (store)

element *reportingPartType/sum*

diagram	
type	sumManySCManyOCType
properties	content complex minOcc 0 maxOcc 1
children	sumSC sumOC
annotation	documentation Aggregation per currency


5.2.20 complexType settlingPartType

diagram	
children	stlAccount passStlPartId stlPartAddr branchOfficeld sum
annotation	element reportingPartType/settlingPart

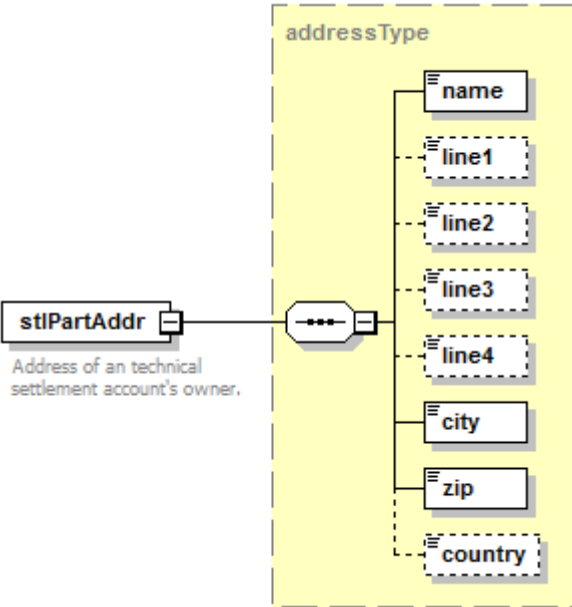
element settlingPartType/stlAccount

diagram	
type	stlAccountType
properties	content complex minOcc 1 maxOcc unbounded
children	payment bcnr bic acctNo passStlAcctNo iban product stlCurCode sum
annotation	documentation Aggregation by technical merchant settlement account of the processor

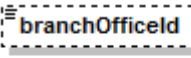
element *settlingPartType/passStlPartId*

diagram	 <p>Unique identification of an owner of technical settlement accounts.</p>
type	xs:string
properties	content simple
annotation	documentation Unique identification of an owner of technical settlement accounts.

element *settlingPartType/stlPartAddr*

diagram	 <p>The diagram shows the stlPartAddr element (Address of an technical settlement account's owner.) connected to a complex type addressType. The addressType contains the following elements: name, line1, line2, line3, line4, city, zip, and country.</p>
type	addressType
properties	content complex
children	name line1 line2 line3 line4 city zip country
annotation	documentation Address of a technical settlement account's owner.

element *settlingPartType/branchOfficeId*

diagram	 <p>Merchant or acquirer defined identifier for a subsidiary or branch office (store)</p>
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Merchant or acquirer defined identifier for a subsidiary or branch office (store)

element *settlingPartType/sum*

diagram		
type	sumManySCManyOCType	
properties	content	complex
	minOcc	0
	maxOcc	1
children	sumSC sumOC	
annotation	documentation	Aggregation by currency.

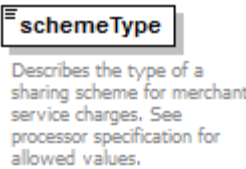
5.2.21 complexType *specSchemeType*

diagram		
children	programID schemeType aSpecSchemeSC	
used by	element	condType/specScheme
annotation	documentation	Merchants can participate in a sharing scheme for the incurred merchant service charges. Within such a scheme, all or part of the merchant service charges are carried by a third party.

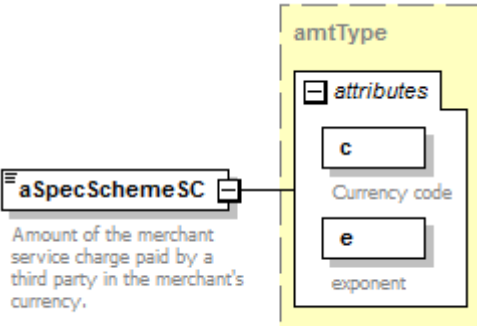
element *specSchemeType/programID*

diagram		
type	xs:string	
properties	content	simple
annotation	documentation	Unique identifier of a sharing scheme.

element *specSchemeType/schemeType*

diagram					
type	xs:string				
properties	content	simple			
annotation	documentation	Describes the type of a sharing scheme for merchant service charges. See processor specification for allowed values.			

element *specSchemeType/aSpecSchemeSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Amount of the merchant service charge paid by a third party in the merchant's currency.			


5.2.22 complexType *stlAccountType*

diagram	<pre> xsd:complexType base="stlAccountType" <choice base="stlAccountType" minOccurs="1" maxOccurs="1"> <element base="payment" type="payment" minOccurs="1" maxOccurs="∞"> <choice base="payment" minOccurs="1" maxOccurs="1"> <element base="bcnr" type="bcnr" minOccurs="1" maxOccurs="1"/> <element base="bic" type="bic" minOccurs="1" maxOccurs="1"/> <element base="acctNo" type="acctNo" minOccurs="1" maxOccurs="1"/> <element base="passStlAcctNo" type="passStlAcctNo" minOccurs="1" maxOccurs="1"/> <element base="iban" type="iban" minOccurs="1" maxOccurs="1"/> <element base="product" type="product" minOccurs="1" maxOccurs="1"/> <element base="stlCurCode" type="stlCurCode" minOccurs="1" maxOccurs="1"/> </choice> </element> <element base="sum" type="sum" minOccurs="1" maxOccurs="1"/> </choice> </complexType> </pre> <p>payment $1..∞$ Aggregation by merchant settlement (payment)</p> <p>bcnr Clearing number of the merchant's bank</p> <p>bic Bank Identifier Code / SWIFTID of merchant's bank account.</p> <p>acctNo Account number of the merchant's bank</p> <p>passStlAcctNo Unique identifier of the technical merchant settlement account</p> <p>iban IBAN of the merchant's account</p> <p>product If technical account allows only settlement of a specific acceptance product: See processor specification for allowed values. No restriction on acceptance products: ALL</p> <p>stlCurCode Merchant settlement currency</p> <p>sum 1 Aggregation by currency</p>
children	payment bcnr bic acctNo passStlAcctNo iban product stlCurCode sum
used by	element settlingPartType/stlAccount


element *st/AccountType/payment*

diagram		
type	paymentType	
properties	content minOcc maxOcc	complex 1 unbounded
children	businessPart fAdj openingBalance closingBalance paymentType paymentDate paymentNo extSettlingRefNo valueDate sum	
annotation	documentation	Aggregation by merchant settlement (payment)


element *st/AccountType/bcnr*

diagram	 <p>Clearing number of the merchant's bank</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Clearing number of the merchant's bank

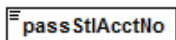
element *st/AccountType/bic*

diagram	 <p>Bank Identifier Code / SWIFTID of merchant's bank account.</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Bank Identifier Code / SWIFTID of merchant's bank account.


element *st/AccountType/acctNo*

diagram	 <p>Account number of the merchant's bank</p>	
type	xs:string	
properties	content	simple
annotation	documentation	Account number of the merchant's bank

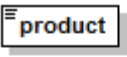
element *st/AccountType/passStlAcctNo*

diagram	 <p>Unique identifier of the technical merchant settlement account</p>	
type	xs:integer	
properties	content	simple
annotation	documentation	Unique identifier of the technical merchant settlement account

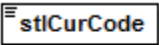
element *st/AccountType/iban*

diagram	 <p>IBAN of the merchant's account</p>	
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	IBAN of the merchant's account

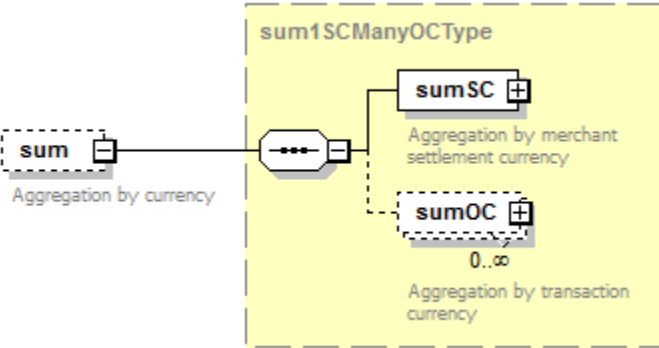
element *st/AccountType/product*

diagram	 <p>If technical account allows only settlement of a specific acceptance product: See processor specification for allowed values. No restriction on acceptance products: ALL</p>
type	xs:string
properties	content simple
annotation	documentation If technical account allows only settlement of a specific acceptance product: See processor specification for allowed values. No restriction on acceptance products: ALL

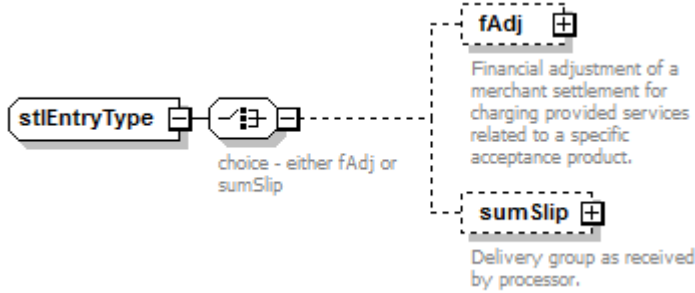


element *st/AccountType/stlCurCode*

diagram	 <p>Merchant settlement currency</p>
type	xs:string
properties	content simple
annotation	documentation Merchant settlement currency

element *st/AccountType/sum*

diagram	
type	<u>sum1SCManyOType</u>
properties	content complex minOcc 0 maxOcc 1
children	<u>sumSC</u> <u>sumOC</u>
annotation	documentation Aggregation by currency.

5.2.23 complexType *stlEntryType*

diagram	 <p>choice - either fAdj or sumSlip</p> <p>fAdj  Financial adjustment of a merchant settlement for charging provided services related to a specific acceptance product.</p> <p>sumSlip  Delivery group as received by processor.</p>
children	fAdj sumSlip
used by	element contractType/stlEntry

element *stlEntryType/fAdj*

diagram		
type	financialAdjustmentType	
properties	content minOcc maxOcc	complex 0 1
children	stlEntryType stlEntrySubType prod fAdjDate passStlEntryNo aFAdjNetSC aFAdjGrosSC aFAdjComEffSC vatPercentage fAdjText txtElem topupTrx	
annotation	documentation	Financial adjustment of a merchant settlement for charging provided services related to a specific acceptance product.

element *stlEntryType/sumSlip*

diagram	<p>The diagram illustrates the structure of the summarySlipType element. It is a container for various transaction and slip-related data. The elements within the container are:</p> <ul style="list-style-type: none"> trx: Processed transactions (0..∞) errTrx: Rejected transactions (0..∞) prod: Acceptance product (see processor specification for allowed values) sumSlipDate: Cut-off date for this period sumSlipTime: Cut-off time for this period passSumSlipId: Unique identifier for technical booking of gross amount. passStlEntryNo: Unique identifier for technical booking of gross amount. origin: Protocol used in delivery of transaction to processor. See documentation for allowed values. sumSlipId: Only for paper sales slip submissions. Identifies sales slip. trmId: Terminal identifier trmPer: Terminal period of this delivery group. sumSlipText: Only for manually restored delivery groups. Refers to the causing incident. sumSlipRemark: Only for manually restored delivery groups. Refers to the causing incident. sum: Aggregation by currency <p>The sumSlip element is shown as a delivery group as received by processor.</p>	
type	summarySlipType	
properties	content	complex
	minOcc	0
	maxOcc	1
children	trx errTrx prod sumSlipDate sumSlipTime passSumSlipId passStlEntryNo origin sumSlipId trmId trmPer sumSlipText sumSlipRemark sum	
annotation	documentation	Delivery group as received by processor.

5.2.24 complexType *sum1SC1OType*

diagram	
children	sumSC sumOC
used by	element summarySlipType/sum

element [sum1SC1OCType/sumSC](#)

diagram	
type	sumSCType
properties	content complex
children	sumCond noPayments noValidTrx noValidTrxWithTip noValidTrxPwcb noSumSlip aNetSC aGrosSC aPaymentSC aTrxGrosSC aTrxNetSC aTrxPwcbSC aTipSC aFAdjNetSC aRoundDiffSC aComEffSC aComEffHighSC aComTotSC aComEffBC aComTotBC aSpecSchemeSC aVatSC aVatBC
annotation	documentation Aggregation by merchant settlement currency

element *sum1SC1OCType/sumOC*

diagram	<p>The diagram illustrates the structure of the sumOC element, which is an aggregation by transaction currency. It is connected to a dashed box labeled sumOCType. Inside this box, a vertical line connects to a horizontal line with three dots. From this line, several elements branch out:</p> <ul style="list-style-type: none"> noValidTrx: Number of processed transactions noValidTrxWithTip: Number of processed transactions which include a tip noValidTrxPwcb: Number of processed purchase with cashback transactions noDelTrx: Number of delivered transactions noSumSlip: Number of processed delivery groups aTrxOC: Processed transaction gross amount aTrxPwcbOC: Cash back amount in original transaction currency of purchase with cashback transactions. aDelTrxOC: Delivered transaction gross amount noErrTrx: Number of rejected transactions aErrTrxOC: Rejected gross amount aTipOC: Tip amount
type	sumOCType
properties	content complex
children	noValidTrx noValidTrxWithTip noValidTrxPwcb noDelTrx noSumSlip aTrxOC aTrxPwcbOC aDelTrxOC noErrTrx aErrTrxOC aTipOC

5.2.25 complexType *sum1SCManyOCType*

diagram		
children	sumSC sumOC	
used by	elements	businessPartType/sum contractType/sum paymentType/sum stlAccountType/sum

element *sum1SCManyOType/sumSC*

diagram	
type	sumSCType
properties	content complex
children	sumCond noPayments noValidTrx noValidTrxWithTip noValidTrxPwcb noSumSlip aNetSC aGrosSC aPaymentSC aTrxGrosSC aTrxNetSC aTrxPwcbSC aTipSC aFAdjNetSC aRoundDiffSC aComEffSC aComEffHighSC aComTotSC aComEffBC aComTotBC aSpecSchemeSC aVatSC aVatBC
annotation	documentation Aggregation by merchant settlement currency

element *sum1SCManyOCType/sumOC*

diagram		
type	sumOCType	
properties	content minOcc maxOcc	complex 0 unbounded
children	noValidTrx noValidTrxWithTip noValidTrxPwcb noDelTrx noSumSlip aTrxOC aTrxPwcbOC aDelTrxOC noErrTrx aErrTrxOC aTipOC	
annotation	documentation	Aggregation by transaction currency

5.2.26 complexType *sumManySCManyOCType*

diagram	<p>The diagram shows the structure of the sumManySCManyOCType complex type. It consists of a sequence of two elements:</p> <ul style="list-style-type: none"> sumSC: A complex type with a cardinality of 1..∞, described as "Aggregation per merchant settlement currency". sumOC: A complex type with a cardinality of 0..∞, described as "Aggregation per transaction currency".
children	sumSC sumOC
used by	elements reportingPartType/sum settlingPartType/sum

element *sumManySCManyOType/sumSC*

diagram			
type	sumSCType		
properties	content minOcc maxOcc	complex 0 unbounded	
children	sumCond noPayments noValidTrx noValidTrxWithTip noValidTrxPwcb noSumSlip aNetSC aGrosSC aPaymentSC aTrxGrosSC aTrxNetSC aTrxPwcbSC aTipSC aAdjNetSC aRoundDiffSC aComEffSC aComEffHighSC aComTotSC aComEffBC aComTotBC aSpecSchemeSC aVatSC aVatBC		
annotation	documentation	Aggregation per merchant settlement currency	

element *sumManySCManyOType/sumOC*

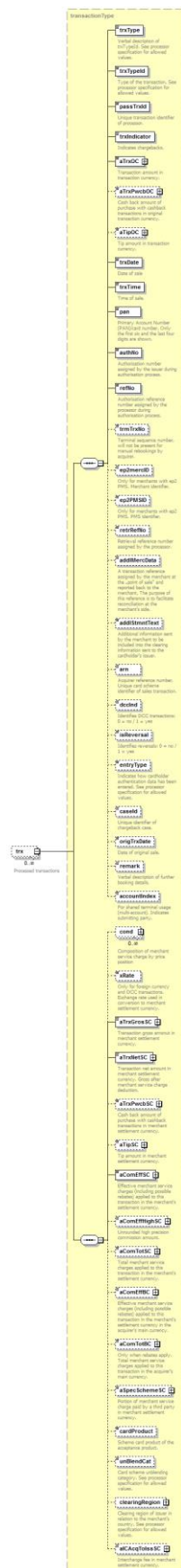
diagram		
type	sumOCType	
properties	content minOcc maxOcc	complex 0 unbounded
children	noValidTrx noValidTrxWithTip noValidTrxPwcb noDelTrx noSumSlip aTrxOC aTrxPwcbOC aDelTrxOC noErrTrx aErrTrxOC aTipOC	
annotation	documentation	Aggregation by transaction currency

5.2.27 complexType *summarySlipType*

diagram	<p>The diagram illustrates the structure of the <code>summarySlipType</code> complex type. It is a sequence of elements:</p> <ul style="list-style-type: none"> Choice: A dashed box containing <code>trx</code> (0..∞, "Processed transactions") and <code>errTrx</code> (0..∞, "Rejected transactions"). prod: Acceptance product (see processor specification for allowed values). sumSlipDate: Cut-off date for this period. sumSlipTime: Cut-off time for this period. passSumSlipId: Unique identifier for technical booking of gross amount. passStlEntryNo: Unique identifier for technical booking of gross amount. origin: Protocol used in delivery of transaction to processor. See documentation for allowed values. sumSlipId: Only for paper sales slip submissions. Identifies sales slip. trmId: Terminal identifier. trmPer: Terminal period of this delivery group. sumSlipText: Only for manually restored delivery groups. Refers to the causing incident. sumSlipRemark: Only for manually restored delivery groups. Refers to the causing incident. sum: Aggregation by currency.
children	trx errTrx prod sumSlipDate sumSlipTime passSumSlipId passStlEntryNo origin sumSlipId trmId trmPer sumSlipText sumSlipRemark sum
used by	element stlEntryType/sumSlip

element *summary*SlipType/trx

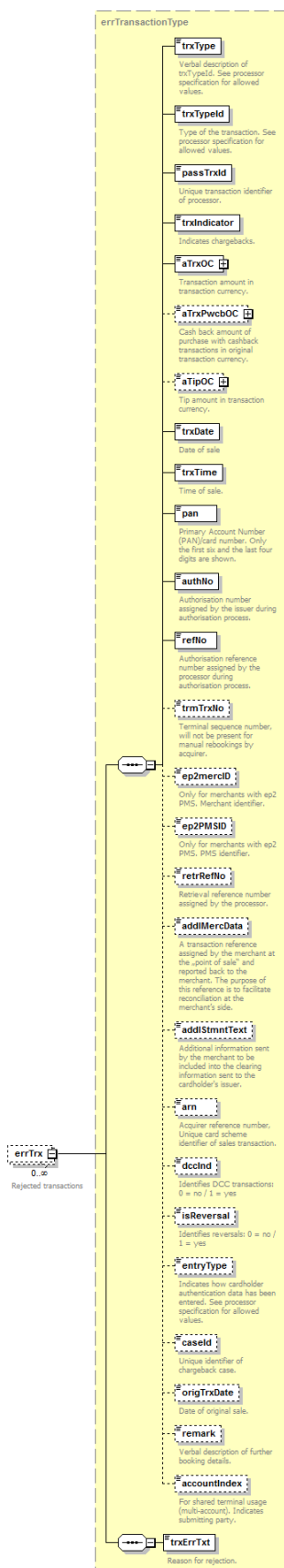
diagram



type	<u>transactionType</u>	
properties	content minOcc maxOcc	complex 0 unbounded
children	<u>trxType</u> <u>trxTypeId</u> <u>passTrxId</u> <u>trxIndicator</u> <u>aTrxOC</u> <u>aTrxPwcbOC</u> <u>aTipOC</u> <u>trxDate</u> <u>trxTime</u> <u>pan</u> <u>authNo</u> <u>refNo</u> <u>trmTrxNo</u> <u>ep2mercID</u> <u>ep2PMSID</u> <u>retrRefNo</u> <u>addlMercData</u> <u>addlStmntText</u> <u>arn</u> <u>dcclnd</u> <u>isReversal</u> <u>entryType</u> <u>caseld</u> <u>origTrxDate</u> <u>remark</u> <u>accountIndex</u> <u>cond</u> <u>xRate</u> <u>aTrxGrosSC</u> <u>aTrxNetSC</u> <u>aTrxPwcbSC</u> <u>aTipSC</u> <u>aComEffSC</u> <u>aComEffHighSC</u> <u>aComTotSC</u> <u>aComEffBC</u> <u>aComTotBC</u> <u>aSpecSchemeSC</u> <u>cardProduct</u> <u>unBlendCat</u> <u>clearingRegion</u> <u>alCAcqTolssSC</u>	
annotation	documentation	Processed transactions

element summarySlipType/errTrx

diagram

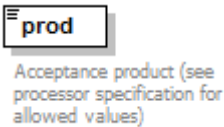


type

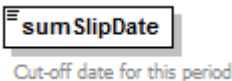
[errTransactionType](#)

properties	content minOcc maxOcc	complex 0 unbounded
children	trxType trxTypeId passTrxId trxIndicator aTrxOC aTrxPwcbOC aTipOC trxDate trxTime pan authNo refNo trmTrxNo ep2mercID ep2PMSID retrRefNo addIMercData addISmntText arn dcclnd isReversal entryType caseld origTrxDate remark accountIndex trxErrTxt	
annotation	documentation	Rejected transactions

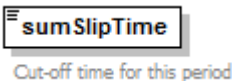
element *summarySlipType/prod*

diagram		
type	xs:string	
properties	content	simple
annotation	documentation	Acceptance product (see processor specification for allowed values)

element *summarySlipType/sumSlipDate*

diagram		
type	xs:date	
properties	content	simple
annotation	documentation	Cut-off date for this period

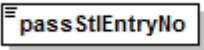
element *summarySlipType/sumSlipTime*

diagram		
type	xs:time	
properties	content	simple
annotation	documentation	Cut-off time for this period


element *summarySlipType/passSumSlipId*

diagram		
type	xs:string	
properties	content minOcc maxOcc	simple 0 1

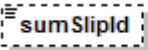
element *summarySlipType/passStlEntryNo*

diagram	 <p>Unqie identifier for technical booking of gross amount.</p>
type	xs:string
properties	content simple
annotation	documentation Unqie identifier for technical booking of gross amount.


element *summarySlipType/origin*

diagram	 <p>Protocol used in delivery of transaction to processor. See documentation for allowed values.</p>
type	xs:string
properties	content simple
annotation	documentation Protocol used in delivery of transaction to processor. See documentation for allowed values.

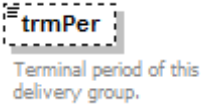
element *summarySlipType/sumSlipId*

diagram	 <p>Only for paper sales slip submissions. Identifies sales slip.</p>
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Only for paper sales slip submissions. Identifies sales slip.

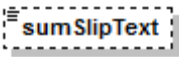
element *summarySlipType/trmId*

diagram	 <p>Terminal identifier</p>
type	xs:string
properties	content simple
annotation	documentation Terminal identifier

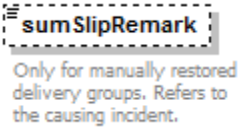
element *summarySlipType/trmPer*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Terminal period of this delivery group.

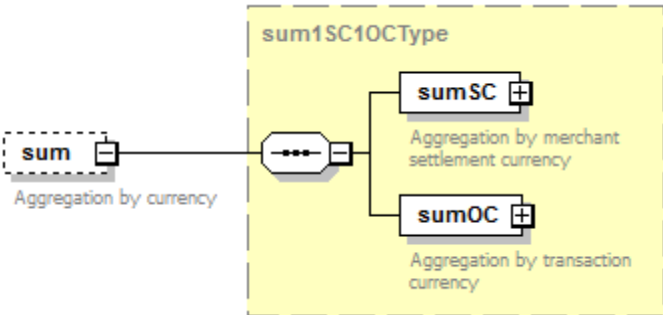
element *summarySlipType/sumSlipText*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1

element *summarySlipType/sumSlipRemark*

diagram		
type	xs:string	
properties	content	simple
	minOcc	0
	maxOcc	1
annotation	documentation	Only for manually restored delivery groups. Refers to the causing incident.

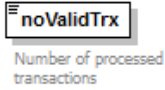
element *summarySlipType/sum*

diagram		
type	<u>sum1SC1OType</u>	
properties	content	complex
	minOcc	0
	maxOcc	1
children	<u>sumSC</u> <u>sumOC</u>	
annotation	documentation	Aggregation by currency

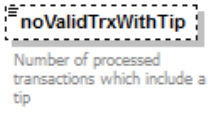
5.2.28 complexType *sumOCType*

diagram	<p>The diagram illustrates the structure of the sumOCType complex type. It consists of a central sumOCType box connected to a sequence container (a circle with three dots). This container is linked to a vertical list of elements, each with a description:</p> <ul style="list-style-type: none"> noValidTrx: Number of processed transactions noValidTrxWithTip: Number of processed transactions which include a tip noValidTrxPwcb: Number of processed purchase with cashback transactions noDelTrx: Number of delivered transactions noSumSlip: Number of processed delivery groups aTrxOC: Processed transaction gross amount aTrxPwcbOC: Cash back amount in original transaction currency of purchase with cashback transactions. aDelTrxOC: Delivered transaction gross amount noErrTrx: Number of rejected transactions aErrTrxOC: Rejected gross amount aTipOC: Tip amount
children	noValidTrx noValidTrxWithTip noValidTrxPwcb noDelTrx noSumSlip aTrxOC aTrxPwcbOC aDelTrxOC noErrTrx aErrTrxOC aTipOC
used by	elements sumManySCManyOCType/sumOC sum1SC1OCType/sumOC sum1SCManyOCType/sumOC

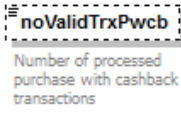
element *sumOCType/noValidTrx*

diagram	
type	xs:integer
properties	content simple
annotation	documentation Number of processed transactions

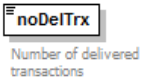
element *sumOCType/noValidTrxWithTip*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed transactions which include a tip

element *sumOCType/noValidTrxPwcb*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed purchase with cashback transactions

element *sumOCType/noDelTrx*

diagram	
type	xs:integer
properties	content simple
annotation	documentation Number of delivered transactions

element *sumOCType/noSumSlip*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed delivery groups

element *sumOCType/aTrxOC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
attributes	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Processed transaction gross amount			

element *sumOCType/aTrxPwcbOC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
attributes	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Cash back amount in original transaction currency of purchase with cashback transactions.			

element *sumOCType/aDelTrxOC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Delivered transaction gross amount			

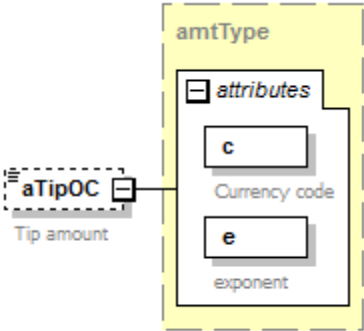
element *sumOCType/noErrTrx*

diagram					
type	xs:integer				
properties	content	simple			
	minOcc	0			
	maxOcc	1			
annotation	documentation	Number of rejected transactions			

element *sumOCType/aErrTrxOC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Rejected gross amount			

element *sumOCType/aTipOC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Tip amount			

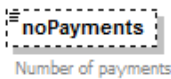
5.2.29 complexType sumSCType

diagram	
type	sumCond noPayments noValidTrx noValidTrxWithTip noValidTrxPwcb noSumSlip aNetSC aGrosSC aPaymentSC aTrxGrosSC aTrxNetSC aTrxPwcbSC aTipSC aFAdjNetSC aRoundDiffSC aComEffSC aComEffHighSC aComTotSC aComEffBC aComTotBC aSpecSchemeSC aVatSC aVatBC
annotation	elements sumManySCManyOCType/sumSC sum1SC1OCType/sumSC sum1SCManyOCType/sumSC

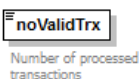
element *sumSCType/sumCond*

diagram	<p>The diagram illustrates the structure of the sumCond element, which represents merchant service charge details. It is a complex type containing several child elements:</p> <ul style="list-style-type: none"> condCode: Technical code for price position of merchant service charge. specScheme: 0..∞ (Optional, unbounded). aComEffExclVatSC: Effective amount for this price position (including possible rebates) applied to this transaction in the merchant's settlement currency in the acquirer's main currency. aComTotExclVatSC: Total price position applied to this transaction in the merchant's settlement currency. aComSpecSchemeTotSC: Amount of this price position paid by a third party. aFixComRateSC: Fix amount of charged tariff in merchant settlement currency. aMinComRateSC: Minimum amount of charged tariff in merchant settlement currency. percComRate: Percentage of charged tariff. aMaxComRateSC: Maximum amount of charged tariff in merchant settlement currency. tariffDetail: Detail information to applied tariff. Only used for interchange fee conditions. 	
type	<u>condFullType</u>	
properties	content	complex
	minOcc	0
	maxOcc	unbounded
children	<u>condCode</u> <u>specScheme</u> <u>aComEffExclVatSC</u> <u>aComTotExclVatSC</u> <u>aComSpecSchemeTotSC</u> <u>aFixComRateSC</u> <u>aMinComRateSC</u> <u>percComRate</u> <u>aMaxComRateSC</u> <u>tariffDetail</u>	
annotation	documentation	Merchant service charge details

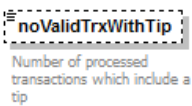
element *sumSCType/noPayments*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of payments

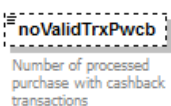
element *sumSCType/noValidTrx*

diagram	
type	xs:integer
properties	content simple
annotation	documentation Number of processed transactions

element *sumSCType/noValidTrxWithTip*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed transactions which include a tip

element *sumSCType/noValidTrxPwcb*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed purchase with cashback transactions

element *sumSCType/noSumSlip*

diagram	
type	xs:integer
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Number of processed delivery groups

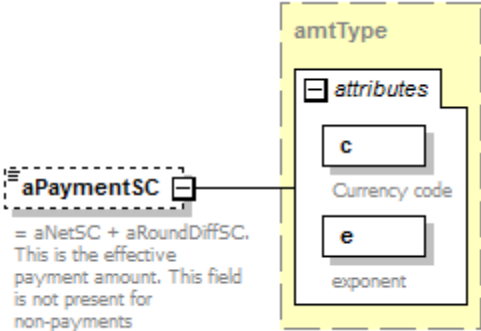
element *sumSCType/aNetSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	= aTrxNetSC + aFAdjNetSC			

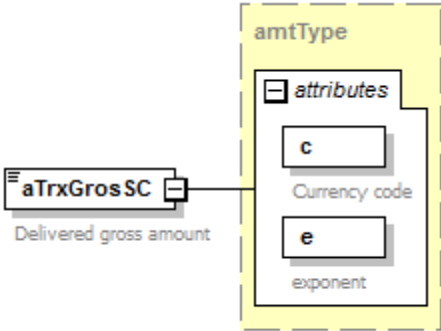
element *sumSCType/aGrosSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	= aTrxGrosSC + aFAdjNetSC			

element *sumSCType/aPaymentSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	= aNetSC + aRoundDiffSC. This is the effective payment amount. This field is not present for non-payments			

element *sumSCType/aTrxGrosSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Delivered gross amount			

element *sumSCType/aTrxNetSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	= aTrxGrosSC - aComEffSC			

element *sumSCType/aTrxPwcbSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Cash back amount in merchant settlement currency of purchase with cashback transactions.			

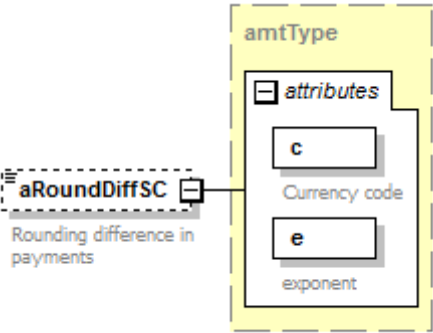
element *sumSCType/aTipSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Tip amount			

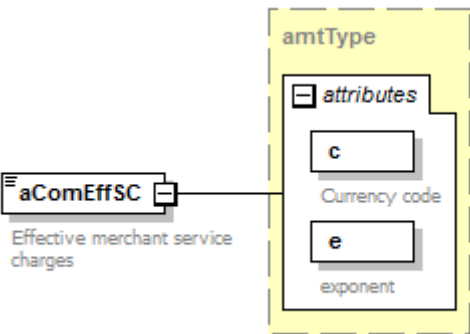
element *sumSCType/aAdjNetSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent

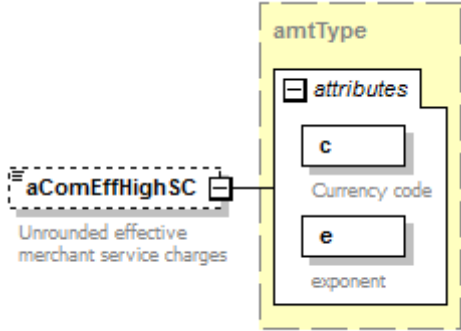
element *sumSCType/aRoundDiffSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Rounding difference in payments			

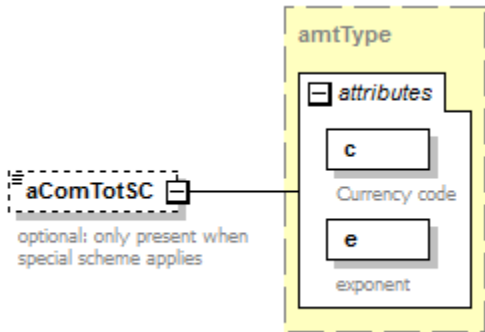
element *sumSCType/aComEffSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Effective merchant service charges			

element *sumSCType/aComEffHighSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Unrounded effective merchant service charges			

element *sumSCType/aComTotSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	optional: only present when special scheme applies			

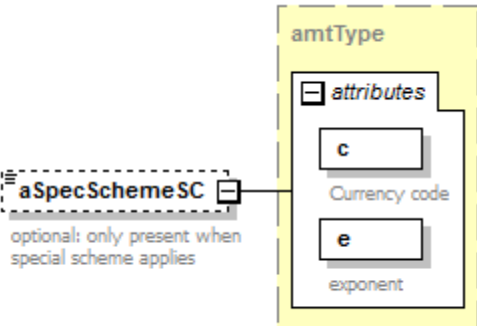
element *sumSCType/aComEffBC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	optional: only present when VAT applies			

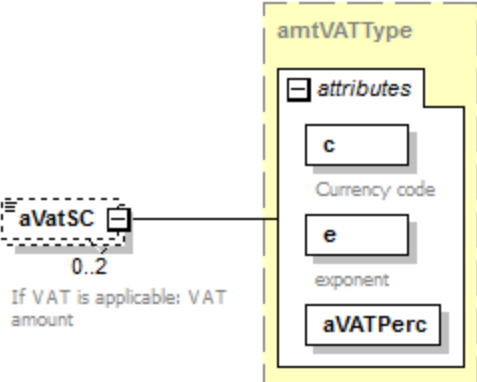
element *sumSCType/aComTotBC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	optional: only present when special scheme and VAT applies			

element *sumSCType/aSpecSchemeSC*

diagram					
type	amtType				
properties	content	complex			
	minOcc	0			
	maxOcc	1			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	optional: only present when special scheme applies			

element *sumSCType/aVatSC*

diagram					
type	amtVATType				
properties	content	complex			
	minOcc	0			
	maxOcc	2			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
	aVATPer	xs:decimal	required		
annotation	documentation	If VAT is applicable: VAT amount			


element *sumSCType/aVatBC*

diagram					
type	amtVATType				
properties	content	complex			
	minOcc	0			
	maxOcc	2			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
	aVATPer	xs:decimal	required		
annotation	documentation	optional: only present when VAT applies			


5.2.30 complexType *topupTrxType*

diagram	<p>trxType Type of the mobile voucher. See processor documentation for allowed values.</p> <p>origin Protocol used in delivery of transaction to processor.</p> <p>aTrxOC + Sold mobile voucher amount.</p> <p>aComEffSC + Merchant kickback</p> <p>aTrxNetSC + Net merchant debt of mobile voucher sale.</p> <p>trxDate Date of sale</p> <p>trxTime Time of sale</p> <p>trmTrxNo Terminal transaction number of sold mobile voucher</p> <p>ep2mercID Only for merchants with ep2 PMS. Merchant identifier.</p> <p>ep2PMSID Only for merchants with ep2 PMS. PMS identifier.</p> <p>trmId Terminal identifier</p> <p>trmPer Terminal period during sale</p> <p>prod + Mobile voucher product. See processor specification for allowed values.</p>
children	trxType origin aTrxOC aComEffSC aTrxNetSC trxDate trxTime trmTrxNo ep2mercID ep2PMSID trmId trmPer prod
used by	element financialAdjustmentType/topupTrx

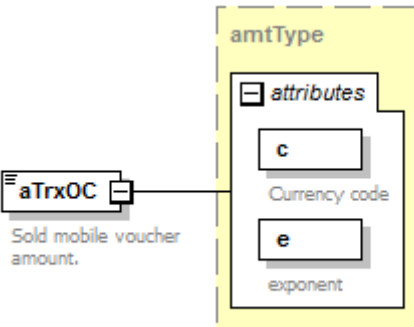
element *topupTrxType*/trxType

diagram					
type	xs:string				
properties	content	simple			
annotation	documentation	Type of the mobile voucher. See processor documentation for allowed values.			

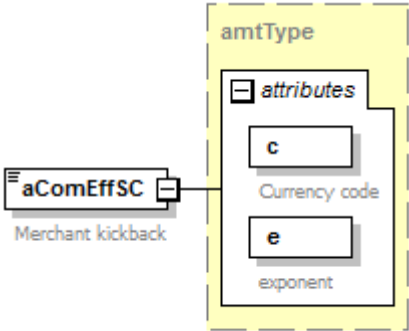
element *topupTrxType*/origin

diagram					
type	xs:string				
properties	content	simple			
annotation	documentation	Protocol used in delivery of transaction to processor.			

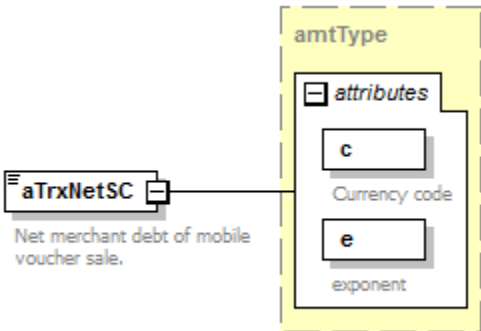
element *topupTrxType*/aTrxOC

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Sold mobile voucher amount.			


element *topupTrxType/aComEffSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Merchant payback			

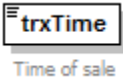
element *topupTrxType/aTrxNetSC*

diagram					
type	amtType				
properties	content	complex			
attributes	Name	Type	Use	Annotation	
	c	derived by: xs:string	required	documentation	currency code
	e	derived by: xs:integer	required	documentation	exponent
annotation	documentation	Net merchant debt of mobile voucher sale.			

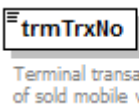
element *topupTrxType/trxDate*

diagram					
type	xs:date				
properties	content	simple			
annotation	documentation	Date of sale			


element *topupTrxType*/trxTime

diagram	
type	xs:time
properties	content simple
annotation	documentation Time of sale

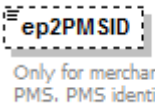
element *topupTrxType*/trmTrxNo

diagram	
type	xs:string
properties	content simple
annotation	documentation Terminal transaction number of sold mobile voucher


element *topupTrxType*/ep2mercID

diagram	
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Only for merchants with ep2 PMS. Merchant identifier.

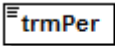
element *topupTrxType*/ep2PMSID

diagram	
type	xs:string
properties	content simple minOcc 0 maxOcc 1
annotation	documentation Only for merchants with ep2 PMS. PMS identifier.

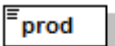
element *topupTrxType*/trmId

diagram	
type	xs:string
properties	content simple
annotation	documentation Terminal identifier

element *topupTrxType/trmPer*

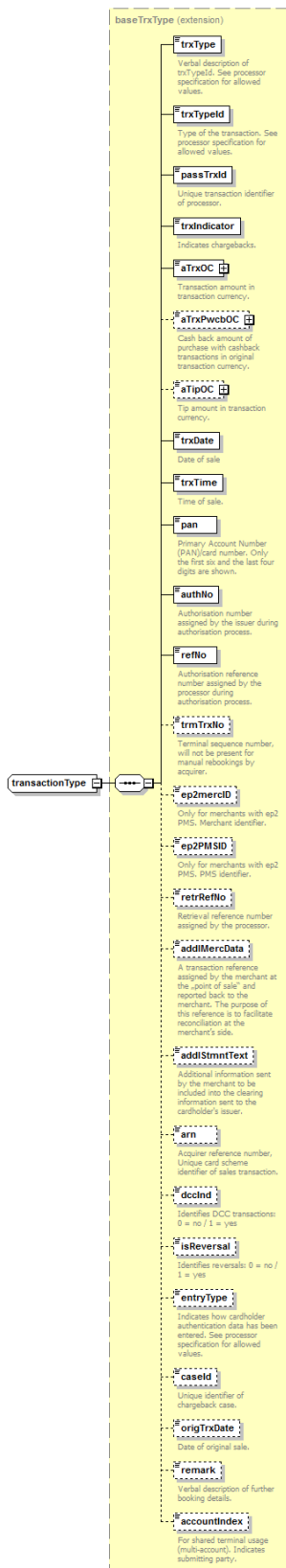
diagram	 Terminal period during sale
type	xs:string
properties	content simple
annotation	documentation Terminal period during sale

element *topupTrxType/prod*

diagram	 Mobile voucher product. See processor specification for allowed values.
type	xs:string
properties	content simple
annotation	documentation Mobile voucher product. See processor specification for allowed values.

5.2.31 complexType transactionType

diagram



type

extension of [baseTrxType](#)

properties

base [baseTrxType](#)

children	trxType trxTypeId passTrxId trxIndicator aTrxOC aTrxPwcbOC aTipOC trxDate trxTime pan authNo refNo trmTrxNo ep2merclD ep2PMSID retrRefNo addlMercData addlStmntText arn dcclnd isReversal entryType caselD origTrxDate remark accountIndex
used by	complexType transactionType

5.2.32 complexType *txtElementType*

diagram	
children	id valueString valueDecimal valueDate valueLong valueBoolean
used by	element financialAdjustmentType/txtElem

element *txtElementType/id*

diagram	
type	xs:string
properties	content simple

element *txtElementType/valueString*

diagram	
type	xs:string
properties	content simple


element *txtElementType/valueDecimal*

diagram	
type	xs:decimal
properties	content simple

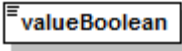
element *txtElementType/valueDate*

diagram	
type	xs:date
properties	content simple

element *txtElementType/valueLong*

diagram	
type	xs:long
properties	content simple

element *txtElementType/valueBoolean*

diagram	
type	xs:boolean
properties	content simple