



The New System of Accounts
Message structure: Statement of
holding balances (semt.smh.001.01)

Description:

Statement specifying the balances of financial instruments on individual accounts of a participant.

Structure:

No.	or	<XMLTag>	Name	Multiplicity	Type
0		KDPWDocument	KDPW system message	[1..1]	KDPWDocument
0.1		semt.smh.001.01	Statement of holding balances	[1..1]	semt.smh.001.01
1		GnlInf	General information	[1..1]	GeneralInformation
1.1		SndrMsgRef	Message ID	[1..1]	Max16Text
1.2		FuncOfMsg	Function of message	[1..1]	FunctionOfMessage
1.3		StmtDtTm	Balance date	[1..1]	DateAndDateTimeChoice
1.3.1	{or	Dt	Date	[1..1]	ISODate
1.3.2	or}	DtTm	Date and time	[1..1]	ISODateTime
1.4		CreDtTm	Date of statement creation	[0..1]	DateAndDateTimeChoice
1.4.1	{or	Dt	Date	[1..1]	ISODate
1.4.2	or}	DtTm	Date and time	[1..1]	ISODateTime
1.5		Frgcy	Statement type	[0..1]	Frequency1Code
1.6		Lnk	Reference	[0..1]	Linkages
1.6.1		RltdRef	ID of the received request	[0..1]	Max16Text
2		StmtForAcct	Statement for entity account	[1..n]	StatementForAccount
2.1		KDPWMmblid	KDPW participant code	[1..1]	KDPWMemberIdentifier
2.2		KDPWSafAcct	Entity account ID	[1..1]	Max16Text
2.3		ActvtyInd	Activity indicator	[1..1]	YesNoIndicator
2.4		BalDtls	Details of balances in the account	[0..n]	BalanceDetails
2.4.1		BalTp	Status of assets	[1..1]	Code4Text
2.4.2		ISIN	ISIN code	[1..1]	ISINIdentifier
2.4.3		Bal	Balance for financial instrument	[1..1]	FinancialInstrumentQuantityAndSign
2.4.3.1		Qty	Number of financial instruments	[1..1]	FinancialInstrumentQuantity
2.4.3.1.1	{or	Unit	Units	[1..1]	Max11Int
2.4.3.1.2	or}	FaceAmt	Nominal value	[1..1]	Amount
2.4.3.2		CdtDbtInd	Balance side indicator	[1..1]	CreditDebitCode

Message component elements:

KDPWDocument- KDPW system message (element)

Description KDPW system message
Type [KDPWDocument](#)
Source <xs:element name="KDPWDocument" type="KDPWDocument" />

Amount- Amount (simple type)

Description Amount
Type Derivative of type: xs:decimal
Format Min. value=0
Max. value=1000000000000
Number of decimal places=2
Number of characters=14

Source <xs:simpleType name="Amount" >
<xs:restriction base="xs:decimal" >
 <xs:minInclusive value="0" />
 <xs:maxExclusive value="1000000000000" />
 <xs:fractionDigits value="2" />
 <xs:totalDigits value="14" />
</xs:restriction>
</xs:simpleType>

AmountAndDate- Amount, currency code and date (complex type)

Description Amount, currency code and date
Component elements [Amt](#)
[ValDt](#){0,1}
Source <xs:complexType name="AmountAndDate" >
 <xs:sequence >
 <xs:element name="Amt" type="CurrencyAndAmount" />
 <xs:element name="ValDt" type="ISODate" minOccurs="0" />
 </xs:sequence>
</xs:complexType>

AmountAndDate/Amt- Amount and currency code (element)

Description Amount and currency code

Type [CurrencyAndAmount](#)
Source `<xs:element name="Amt" type="CurrencyAndAmount" />`

AmountAndDate/ValDt- Date of determining the transaction amount (element)

Description Value date on which the value of securities was calculated.

Type [ISODate](#)

Source `<xs:element name="ValDt" type="ISODate" minOccurs="0" />`

BalanceDetails- Details of balances in the account (complex type)

Description Details of balances in the registration account

Component elements [BalTp](#)
[ISIN](#)
[Bal](#)

Source `<xs:complexType name="BalanceDetails" >
<xs:sequence >
<xs:element name="BalTp" type="Code4Text" />
<xs:element name="ISIN" type="ISINIdentifier" />
<xs:element name="Bal" type="FinancialInstrumentQuantityAndSign" />
</xs:sequence>
</xs:complexType>`

BalanceDetails/BalTp- Status of assets (element)

Description Status of assets

Type [Code4Text](#)

Source `<xs:element name="BalTp" type="Code4Text" />`

BalanceDetails/ISIN- ISIN code (element)

Description Financial instrument ISIN code

Type [ISINIdentifier](#)

Source `<xs:element name="ISIN" type="ISINIdentifier" />`

BalanceDetails/Bal- Balance for financial instrument (element)

Description	Balance for financial instrument
Type	FinancialInstrumentQuantityAndSign
Source	<code><xs:element name="Bal" type="FinancialInstrumentQuantityAndSign" /></code>

BICIdentifier- BIC identifier (simple type)

Description	BIC identifier of the financial institution
Type	Derivative of type: xs:string
Format	<code>xs:pattern=[AZ]{6,6}[AZ2-9][ANP-Z0-9]([AZ0-9]{3,3}){0,1}</code>
Source	<pre><xs:simpleType name="BICIdentifier" > <xs:restriction base="xs:string" > <xs:pattern value="[A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}" /> </xs:restriction> </xs:simpleType></pre>

Code4Text- Qualifier (simple type)

Description	Qualifier, code
Type	Derivative of type: xs:string
Format	Min. length=4 Max. length=4
Source	<pre><xs:simpleType name="Code4Text" > <xs:restriction base="xs:string" > <xs:whiteSpace value="collapse" /> <xs:minLength value="4" /> <xs:maxLength value="4" /> </xs:restriction> </xs:simpleType></pre>

CreditDebitCode- Liabilities/receivables indicator (simple type)

Description	Codes specifying the side of the balance
Type	Derivative of type: xs:string

Format	Code	Description
	CRDT	Credit
	DBIT	Debit

Source

```
<xs:simpleType name="CreditDebitCode" >
  <xs:restriction base="xs:string" >
    <xs:enumeration value="CRDT" />
    <xs:enumeration value="DBIT" />
  </xs:restriction>
</xs:simpleType>
```

CurrencyAndAmount- Amount and currency code (complex type)

Description Amount and currency code

Type Derivative of type: [Amount](#)

Attributes	Name	Description	Type
	Ccy	Currency code	CurrencyCode

Source

```
<xs:complexType name="CurrencyAndAmount" >
  <xs:simpleContent>
    <xs:extension base="Amount" >
      <xs:attribute name="Ccy" type="CurrencyCode" use="required" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

CurrencyCode- Currency code (simple type)

Description Currency code

Type Derivative of type: xs:string

Format xs:pattern=[A-Z]{3,3}

Source

```
<xs:simpleType name="CurrencyCode" >
  <xs:restriction base="xs:string" >
    <xs:pattern value="[A-Z]{3,3}" />
  </xs:restriction>
</xs:simpleType>
```

DateAndDateTimeChoice- Date and time (complex type)

Description Date and time

Component elements [Dt](#)
 [DtTm](#)

Source <xs:complexType name="DateAndDateTimeChoice" >
 <xs:sequence >
 <xs:choice >
 <xs:element name="Dt" type="ISODate" />
 <xs:element name="DtTm" type="ISODateTime" />
 </xs:choice>
 </xs:sequence>
 </xs:complexType>

DateAndDateTimeChoice/Dt- Date (element)

Description Date

Type [ISODate](#)

Source <xs:element name="Dt" type="ISODate" />

DateAndDateTimeChoice/DtTm- Date and time (element)

Description Date and time

Type [ISODateTime](#)

Source <xs:element name="DtTm" type="ISODateTime" />

FinancialInstrumentQuantity- Number of instruments (complex type)

Description Number of instruments expressed in units or nominal value

Component elements [Unit](#)
 [FaceAmt](#)

Source <xs:complexType name="FinancialInstrumentQuantity" >
 <xs:sequence >
 <xs:choice >
 <xs:element name="Unit" type="Max11Int" />
 <xs:element name="FaceAmt" type="Amount" />
 </xs:choice>
 </xs:sequence>
 </xs:complexType>

FinancialInstrumentQuantity/Unit- Units (element)

Description Units

Type [Max11Int](#)
Source `<xs:element name="Unit" type="Max11Int" />`

FinancialInstrumentQuantity/FaceAmt- Nominal value (element)

Description Nominal value
Type [Amount](#)
Source `<xs:element name="FaceAmt" type="Amount" />`

FinancialInstrumentQuantityAndSign- Number of instruments and balance sign (complex type)

Description Number of instruments expressed in units or nominal value, plus balance sign
Component elements [Qty](#)
[CdtDbtInd](#)
Source `<xs:complexType name="FinancialInstrumentQuantityAndSign" >
<xs:sequence >
 <xs:element name="Qty" type="FinancialInstrumentQuantity" />
 <xs:element name="CdtDbtInd" type="CreditDebitCode" />
</xs:sequence>
</xs:complexType>`

FinancialInstrumentQuantityAndSign/Qty- Number of financial instruments (element)

Description Number of financial instruments
Type [FinancialInstrumentQuantity](#)
Source `<xs:element name="Qty" type="FinancialInstrumentQuantity" />`

FinancialInstrumentQuantityAndSign/CdtDbtInd- Balance side indicator (element)

Description Balance side indicator
Type [CreditDebitCode](#)
Source `<xs:element name="CdtDbtInd" type="CreditDebitCode" />`

Frequency1Code- Frequency code (simple type)

Description Frequency code

Type Derivative of type: xs:string

Format	Code	Description
	DAIL	Daily report
	ADHO	Report in response to a request
	INDA	Intra-day report

Source

```
<xs:simpleType name="Frequency1Code" >
  <xs:restriction base="xs:string" >
    <xs:enumeration value="DAIL" />
    <xs:enumeration value="ADHO" />
    <xs:enumeration value="INDA" />
  </xs:restriction>
</xs:simpleType>
```

FunctionOfMessage- Function of the message (simple type)

Description Function of the message

Type Derivative of type: xs:string

Format	Code	Description
	NEWM	New statement

Source

```
<xs:simpleType name="FunctionOfMessage" >
  <xs:restriction base="xs:string" >
    <xs:enumeration value="NEWM" />
  </xs:restriction>
</xs:simpleType>
```

GeneralInformation- General information (complex type)

Description General information

Component elements	SndrMsgRef FuncOfMsg StmtdtTm CreDtTm{0,1} Frqcy{0,1} Lnk{0,1}
Source	<pre><xs:complexType name="GeneralInformation" > <xs:sequence > <xs:element name="SndrMsgRef" type="Max16Text" /> <xs:element name="FuncOfMsg" type="FunctionOfMessage" /> <xs:element name="StmtdtTm" type="DateAndDateTimeChoice" /> <xs:element name="CreDtTm" type="DateAndDateTimeChoice" minOccurs="0" /> <xs:element name="Frqcy" type="Frequency1Code" minOccurs="0" /> <xs:element name="Lnk" type="Linkages" minOccurs="0" /> </xs:sequence> </xs:complexType></pre>

GeneralInformation/SndrMsgRef- Message ID (element)

Description	Message ID generated by the sender
Type	Max16Text
Source	<pre><xs:element name="SndrMsgRef" type="Max16Text" /></pre>

GeneralInformation/FuncOfMsg- Function of the message (element)

Description	Function of the message
Type	FunctionOfMessage
Source	<pre><xs:element name="FuncOfMsg" type="FunctionOfMessage" /></pre>

GeneralInformation/StmtdtTm- Balance date (element)

Description	Balance date
Type	DateAndDateTimeChoice
Source	<pre><xs:element name="StmtdtTm" type="DateAndDateTimeChoice" /></pre>

GeneralInformation/CreDtTm- Date of statement creation (element)

Description	Date of statement creation
--------------------	----------------------------

Type [DateAndDateTimeChoice](#)
Source `<xs:element name="CreDtTm" type="DateAndDateTimeChoice" minOccurs="0" />`

GeneralInformation/Frqcy- Statement type (element)

Description Statement type
Type [Frequency1Code](#)
Source `<xs:element name="Frqcy" type="Frequency1Code" minOccurs="0" />`

GeneralInformation/Lnk- Reference (element)

Description Links with other messages
Type [Linkages](#)
Source `<xs:element name="Lnk" type="Linkages" minOccurs="0" />`

ISINIdentifier- ISIN code (simple type)

Description Financial instrument ISIN code
Type Derivative of type: xs:string
Format Min. length=12
Max. length=12
Source `<xs:simpleType name="ISINIdentifier" >
<xs:restriction base="xs:string" >
 <xs:whiteSpace value="collapse" />
 <xs:minLength value="12" />
 <xs:maxLength value="12" />
</xs:restriction>
</xs:simpleType>`

ISODate- Date (simple type)

Description Date
Type Derivative of type: xs:date
Format

Source

```
<xs:simpleType name="ISODate" >
  <xs:restriction base="xs:date" >
    </xs:restriction>
  </xs:simpleType>
```

ISODateTime- Date and time (simple type)

Description Date and time

Type Derivative of type: xs:dateTime

Format

Source

```
<xs:simpleType name="ISODateTime" >
  <xs:restriction base="xs:dateTime" >
    </xs:restriction>
  </xs:simpleType>
```

KDPWDocument- KDPW system message (complex type)

Description KDPW system message

Attributes	Name	Description	Type
	Sndr	Sender	KDPWMemberIdentifier
	Rcvr	Receiver	KDPWMemberIdentifier

Component elements [semt.smh.001.01](#)

Source

```
<xs:complexType name="KDPWDocument" >
  <xs:sequence >
    <xs:element name="semt.smh.001.01" type="semt.smh.001.01" />
  </xs:sequence>
  <xs:attribute name="Sndr" type="KDPWMemberIdentifier" use="required" />
  <xs:attribute name="Rcvr" type="KDPWMemberIdentifier" use="required" />
</xs:complexType>
```

KDPWDocument/semt.smh.001.01- Statement of holding balances (element)

Description Statement of holding balances

Type [semt.smh.001.01](#)

Source

```
<xs:element name="semt.smh.001.01" type="semt.smh.001.01" />
```

KDPWMemberIdentifier- KDPW participant ID (simple type)

Description	KDPW participant ID
Type	Derivative of type: xs:string
Format	Min. length=4 Max. length=4
Source	<pre><xs:simpleType name="KDPWMemberIdentifier" > <xs:restriction base="xs:string" > <xs:whiteSpace value="collapse" /> <xs:minLength value="4" /> <xs:maxLength value="4" /> </xs:restriction> </xs:simpleType></pre>

Linkages- References (complex type)

Description	Reference
Component elements	RltdRef {0,1}
Source	<pre><xs:complexType name="Linkages" > <xs:sequence > <xs:element name="RltdRef" type="Max16Text" minOccurs="0" /> </xs:sequence> </xs:complexType></pre>

Linkages/RltdRef- ID of the received request (element)

Description	ID of the received request. This field is filled out for statements generated in response to a request.
Type	Max16Text
Source	<pre><xs:element name="RltdRef" type="Max16Text" minOccurs="0" /></pre>

Max16Text- Text (simple type)

Description	Text - maximum length 16 characters
Type	Derivative of type: xs:string

Format	Min. length=1 Max. length=16
Source	<pre><xs:simpleType name="Max16Text" > <xs:restriction base="xs:string" > <xs:whiteSpace value="collapse" /> <xs:minLength value="1" /> <xs:maxLength value="16" /> </xs:restriction> </xs:simpleType></pre>

Max11Int- Number (simple type)

Description	Integer - maximum length 11 characters
Type	Derivative of type: xs:integer
Format	Number of characters=11 Min. value=0
Source	<pre><xs:simpleType name="Max11Int" > <xs:restriction base="xs:integer" > <xs:totalDigits value="11" /> <xs:minInclusive value="0" /> </xs:restriction> </xs:simpleType></pre>

StatementForAccount- Statement for the account (complex type)

Description	Statement for entity account
Component elements	KDPWMmbld KDPWSafAcct ActvtyInd BalDtls {0,unbounded}
Source	<pre><xs:complexType name="StatementForAccount" > <xs:sequence > <xs:element name="KDPWMmbld" type="KDPWMemberIdentifier" /> <xs:element name="KDPWSafAcct" type="Max16Text" /> <xs:element name="ActvtyInd" type="YesNoIndicator" /> <xs:element name="BalDtls" type="BalanceDetails" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType></pre>

StatementForAccount/KDPWMmbld- KDPW participant code (element)

Description	KDPW participant code
Type	KDPWMemberIdentifier

Source `<xs:element name="KDPWMmbld" type="KDPWMemberIdentifier" />`

StatementForAccount/KDPWSafAcct- Entity account ID (element)

Description Entity account ID

Type [Max16Text](#)

Source `<xs:element name="KDPWSafAcct" type="Max16Text" />`

StatementForAccount/ActvtyInd- Activity indicator (element)

Description Activity indicator. 'Y' indicates non-zero holding balances in the account. 'N' indicates that there are no securities in the account.

Type [YesNoIndicator](#)

Source `<xs:element name="ActvtyInd" type="YesNoIndicator" />`

StatementForAccount/BalDtls- Details of balances in the account (element)

Description Details of balances in the account

Type [BalanceDetails](#)

Source `<xs:element name="BalDtls" type="BalanceDetails" minOccurs="0" maxOccurs="unbounded" />`

YesNoIndicator- Yes/No indicator (simple type)

Description Yes/No indicator

Type Derivative of type: xs:string

Format	Code	Description
	Y	True (Yes)
	N	False (No)

Source `<xs:simpleType name="YesNoIndicator" >
 <xs:restriction base="xs:string" >
 <xs:enumeration value="Y" />
 <xs:enumeration value="N" />
 </xs:restriction>
 </xs:simpleType>`

semt.smh.001.01- Statement of holding balances (complex type)

Description Statement of holding balances

Component elements [GnlInf](#)
[StmtForAcct](#){1,unbounded}

Source

```
<xs:complexType name="semt.smh.001.01" >
  <xs:sequence >
    <xs:element name="GnlInf" type="GeneralInformation" />
    <xs:element name="StmtForAcct" type="StatementForAccount" maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

semt.smh.001.01 /GnlInf- General information (element)

Description General information block

Type [GeneralInformation](#)

Source <xs:element name="GnlInf" type="GeneralInformation" />

semt.smh.001.01/StmtForAcct- Statement for entity account (element)

Description Statement for entity account

Type [StatementForAccount](#)

Source <xs:element name="StmtForAcct" type="StatementForAccount" maxOccurs="unbounded" />