Norwegian SAF-T Cash Register data

Technical description

SAF-T Cash Register Working group

V1.1 24.07.2017

The document contains detailed description and examples on the different data elements with reference to the XSD schema. The schema has the same basic structure as the Auditfile Afrekensystemen (XAA) schema from The Netherlands but not fully compatible.

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Description of selected parts of SAF-T Cash Register XML

Version history of the document

Version	Date	Description
1.0	07.07.2016	Initial version
1.1	24.07.2017	Enriched descriptions

Description of selected parts of SAF-T Financial data

Information

Encoding of the SAF-T Cash Register data

The encoding of the file must be UTF-8. This is the default character encoding for XML.

Empty elements

Use of empty elements can be interpreted to have a meaning, so empty elements should not be used if there are no data to fill in an optional element. In addition, numeric fields and date fields have content requirements that will fail validation if they are sent as empty elements.

Table columns

Below is an explanation of the columns in the tables.

XML Element refers to the actual element name in the in the audit file.

Description provides a detailed description of the item.

Type can either be a simple element or a simple type.

A *simple element* is a standard XML element that can contain only text, and in some cases the text has restrictions and is required to match a specific pattern.

"xsd:date" is an example where the text must adhere to a specific pattern, the date must be valid, and the text must follow this pattern:

- "YYYY-MM-DD" (example: 2015-10-31)

YYYY indicates the year, MM indicates the month and DD indicates the date.

It is also possible to enter a date in UTC time by adding a "Z" behind the date, like this:

    <element>2015-10-31Z</element>

or with an offset from the UTC time by adding a positive or negative time behind the date, like this:

    <element>2015-10-31-06:00</element>

<element>2015-10-31+06:00</element>

For more information, see: **https://www.w3.org/TR/xmlschema-2/#date**

"xsd:time" is another example where the text must adhere to a specific pattern, the time is in 24 hour, the time must be in Norwegian time and adjusted for daylight saving time (summer time). The preferred representation is:

- "HH:MM:SS" Example: "23:59:59"

HH indicates the hour, MM indicates the minutes and SS indicates the seconds. If seconds are not available in the system, please set seconds to "00". An unlimited number of additional digits can be used to increase the precision of fractional seconds if desired, but not considered necessary. It is optional to use a time zone indicator "Z" who equals Coordinated Universal Time (UTC), but not preferred or necessary to do so. Examples when included additional digits and time zone indicator are:

- "HH:MM:SS.SSS+Z" Example: "23:59:59.9999999+05:00"

For more information, see: https://www.w3.org/TR/xmlschema-2/#time

A *simple type* is a defined element that is based upon a simple element and often contains additional and specific constraints about the values that can be used in the element.

"Countrycode" is a simple type based upon the simple element "xsd:string" and with the additional constraint that the text must be 2 letters long.

See table with definitions of all the simple types used in the audit file.

Required (Req) states if the element is:

M	Mandatory
O	Optional

Difference between Mandatory and Optional data elements

What data are stored in the databases varies between the various cash register softwares. For this reason several data elements are stated as optional. It is important to emphasize that as long as the optional data elements are available in the database, it must be written to the XML file.

The SAF-T Cash Register data format will not extend the documentation requirements beyond the Cash Register Systems Act.

Mandatory data elements cannot be empty, and sometimes they must have enumerated values (as listed in the schema). This is necessary for the XML data file to validate with the schema. The mandatory elements mainly represent the data necessary to produce the specifications that are obliged by the regulations relating to requirements for cash register systems (the Cash Register Systems Regulations). In addition, other essential data in the XML file must by nature be mandatory, such as the header data elements.

Enumerated values are also represented by overviews/code lists not strictly enforced by the schema itself. Anyhow, they must be used as enumerated values for the data element.

Data not available in mandatory fields
The fields dateOfEntry and timeOfEntry represent the date and time for when the master data entry was created in the system for the first time. If the Cash Register System does not contain this information, the following values must be used:

- dateOfEntry: 0001-01-01
- timeOfEntry: 00:00:00

If the Cash Register System is not required to implement a digital signature, the following values must be used:

- signature: NA
- keyVersion: NA

Repetitions (Rep) states how many times the element can or must be repeated.

      0..1   The element can be used once.
      1..1   The element must be used once.
      0..U   The element can be used from none to an unbounded amount of times.
      1..U   The element must be used from one to an unbounded amount of times.

Example shows an example of a populated element.

Name is used only in the table with the simple types and is the same name you will find in the **Type-**column in the other tables.

Examples:

XML Element	Description	Type	Req/Rep.		Example
<Element name>	A normal element.	<Element type>	O	0..1	
<Structure name>	*A structure of elements. Definition of the structure is listed elsewhere in this document.*	*<Structure type>*	*O*	*0..1*	
<Element name>	An element not necessary for export of data to the Norwegian Tax Administration, can be used for other purposes.	<Element type>	O	0..1	

attributes

Optional. xsd:ID
Can be used for sequential numbering of the XML datafiles, for example when files are populated on a regular basis as one per day.

auditfile

Mandatory. Repetitions: 1..1

XML Element	Description	Type	Req/Rep.		Example
header	*Overall information about this Standard Audit file.*		*M*	*1..1*	
company	*Contains the data of the body corporate that has provided the data in the present audit file.*		*M*	*1..1*	

header

Overall information about this Standard Audit file.
Mandatory. Repetitions: 1..1

XML Element	Description	Type	Req/Rep.	Example

fiscalYear	Fiscal year YYYY. A split fiscal year will be filled as follows: YYYY-YYYY.	String9	M	1..1	2014 or 2013-2014
startDate	First day of the financial year. In W3C date format: YYYY-MM-DD	xsd:date	M	1..1	2014-01-01
endDate	Final day of the financial year	xsd:date	M	1..1	2014-12-31
curCode	Three letter Currency Code (ISO 4217) of local currency which is the default for the audit file.	Currencycode	M	1..1	NOK
dateCreated	The date of when the audit file is created.	xsd:date	M	1..1	2015-01-27
timeCreated	The time of when the audit file is created. The time must be in Norwegian time and adjusted for daylight saving time (summer time).	xsd:time	M	1..1	23:59:59
softwareDesc	Description of the software that generated the audit file.	String100	M	1..1	Kassasystemet
softwareVersion	Version of the software that generated the audit file.	String 20	M	1..1	3.14.1.3
softwareCompanyName	Name of the software company whose product created the audit file.	String100	M	1..1	Kassasystemer AS
auditfileVersion	Version of standard audit file being used. The version number to be used is displayed in an XML	IdentificationString35	M	1..1	1.0

	annotation in top of the XSD schema file.				
headerComment	Space for any further generic comments on the audit file. For example selection criteria other than date and time.	String999	O	0..1	Locations A - D Cash registers 1 - 4 out of 10.
userID	ID of the user that generated the audit file.	IdentificationString35	O	0..1	1234
auditfileSender	*Information about the sender of the audit file if the sender is not the company that owns the data. This can be an accounting office, a parent company, etc.*		*O*	*0..1*	

Example:

```
<n1:header>
        <n1:fiscalYear>2014</n1:fiscalYear>
        <n1:startDate>2014-01-01</n1:startDate>
        <n1:endDate>2014-12-31</n1:endDate>
        <n1:curCode>NOK</n1:curCode>
        <n1:dateCreated>2015-01-27</n1:dateCreated>
        <n1:timeCreated>23:59:59</n1:timeCreated>
        <n1:softwareDesc>Kassasystemet</n1:softwareDesc>
        <n1:softwareVersion>3.14.1.3</n1:softwareVersion>
        <n1:softwareCompanyName>Kassasystemer AS</n1:softwareCompanyName>
        <n1:auditfileVersion>1.0</n1:auditfileVersion>
        <n1:headerComment>Locations A - D</n1:headerComment>
```

```
<n1:userID>1234</n1:userID>
```

auditfileSender

Information about the sender of the audit file if the sender is not the company that owns the data. This can be an accounting office, a parent company, software/application service provider (ASP) etc.
Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
companyIdent	Organization number from The Brønnøysund Register Centre (Brønnøysundregistrene) or other relevant government authority. In case of private persons, the social security number can be used.	IdentificationString35	O	0..1	999999999
companyName	The name of the company.	String100	M	1..1	Selskapet ASA
taxRegistrationCountry	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO
taxRegIdent	The company's VAT (MVA) number. This is the unique number/organization number from The Brønnøysund Register Centre (Brønnøysundregistrene) followed by the letters "MVA". This element is mandatory if the company is subject to VAT (MVA).	String50	O	0..1	999999999MVA
streetAddress	*Street Address*		*O*	*0..U*	
postalAddress	*Postal Address*		*O*	*0..U*	

```
<n1:auditfileSender>
        <n1:companyIdent>999999999</n1:companyIdent>
        <n1:companyName>Selskapet ASA</n1:companyName>
        <n1:taxRegistrationCountry>NO</n1:taxRegistrationCountry>
        <n1:taxRegIdent>999999999MVA</n1:taxRegIdent>
```

streetAddress

Street address.
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	

city	Name of the city/post district.	String50	O	0..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	O	0..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

Example:

```
<n1:streetAddress>
        <n1:streetname>Veien</n1:streetname>
        <n1:number>1</n1:number>
        <n1:city>Trondheim</n1:city>
        <n1:postalCode>7000</n1:postalCode>
        <n1:region>Sør-Trøndelag</n1:region>
        <n1:country>NO</n1:country>
</n1:streetAddress>
```

postalAddress

Postal Address
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	
city	Name of the city/post district.	String50	M	1..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	M	1..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

Example:

```
                <n1:postalAddress>
```

```
                    <n1:streetname>Veien</n1:streetname>
                    <n1:number>1</n1:number>
                    <n1:city>Trondheim</n1:city>
                    <n1:postalCode>7000</n1:postalCode>
                    <n1:region>Sør-Trøndelag</n1:region>
                    <n1:country>NO</n1:country>
                </n1:postalAddress>
            </n1:auditfileSender>
        </n1:header>
```

company

The company element contains the data of the body corporate that has provided the data in the present audit file.
Mandatory. Repetitions: 1..1

XML Element	Description	Type	Req/Rep.		Example
companyIdent	Organization number from The Brønnøysund Register Centre (Brønnøysundregistrene) or other relevant government authority. In case of private persons, the social security number can be used.	IdentificationString35	M	1..1	999999999
companyName	The name of the company.	String100	M	1..1	Selskapet ASA
taxRegistrationCountry	Two-letter country code according to ISO 3166-1	Countrycode	O	0..1	NO

	alpha 2 standard.				
taxRegIdent	The company's VAT (MVA) number. This is the unique number/organization number from The Brønnøysund Register Centre (Brønnøysundregistrene) followed by the letters "MVA". This element is mandatory if the company is subject to VAT (MVA).	String50	O	0..1	999999999MVA
streetAddress	*Street address*		*O*	*0..U*	
postalAddress	*Postal address*		*O*	*0..U*	
customersSuppliers	*Contains the data on all known customers and suppliers.*		*O*	*0..1*	
generalLedger	*Can be used for listing of accounts, not necessary for compliance with the Cash Register System Act.*		*O*	*0..1*	
vatCodeDetails	*Contains overview of vatCodes and mapping to standardVatCodes*		*O*	*0..1*	
periods	*Used to define periods in date and time.*		*O*	*0..1*	
employees	*Contains the data on all employees..*		*O*	*0..1*	
articles	*Describes all articles the business has in its assortment.*		*O*	*0..1*	

basics	*Used for mapping of the different codes of events, transaction types etc.*		*O*	*0..1*	
location	*Contains data on the physical location of the cash register, for instance the address of a certain establishment.*		*O*	*0..U*	

Example:

```
<n1:company>
          <n1:companyIdent>999999999</n1:companyIdent>
          <n1:companyName>Selskapet ASA</n1:companyName>
          <n1:taxRegistrationCountry>NO</n1:taxRegistrationCountry>
          <n1:taxRegIdent>999999999MVA</n1:taxRegIdent>
```

streetAddress

Street address.
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1

number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	
city	Name of the city/post district.	String50	O	0..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	O	0..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

postalAddress

Postal Address
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	

XML Element	Description	Type	Req/Rep.		Example
city	Name of the city/post district.	String50	M	1..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	M	1..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

customersSuppliers

Contains the data on all known customers and suppliers.
Optional. Element: customerSupplier. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
custSupID	Unique account code/number for the customer or supplier.	IdentificationString35	M	1..1	100
custSupName	Name of the customer or supplier.	String 100	M	1..1	Selskapet AS
custSupType	Identifies whether this is a customer or supplier. *Choose between the following enumerations: Customer Supplier*	custSupType	M	1..1	Customer

contact	Contact person	String50	O	0..1	Ola Nordmann
telephone	Telephone number	String50	O	0..1	12345678
fax	Fax number	String50	O	0..1	12345678
eMail	E-mail address	xsd:token	O	0..1	name@namename.com
website	Website URL	xsd:token	O	0..1	www.namename.com
taxRegistrationCountry	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO
taxRegIdent	The VAT (MVA) number. This is the unique number/organization number from The Brønnøysund Register Centre (Brønnøysundregistrene) followed by the letters "MVA".	String50	O	0..1	999999999MVA
streetAddress	*Street Address*		*O*	*0..U*	
postalAddress	*Postal Address*		*O*	*0..U*	

Example:

```
<n1:customersSuppliers>
                <n1:customerSupplier>
                        <n1:custSupID>100</n1:custSupID>
```

```
<n1:custSupName>Selskapet AS</n1:custSupName>
<n1:custSupType>Customer</n1:custSupType>
<n1:contact>Ola Nordmann</n1:contact>
<n1:telephone>12345678</n1:telephone>
<n1:fax>12345678</n1:fax>
<n1:eMail>name@namename.com</n1:eMail>
<n1:website>www.namename.com</n1:website>
<n1:taxRegistrationCountry>NO</n1:taxRegistrationCountry>
<n1:taxRegIdent>999999999MVA</n1:taxRegIdent>
```

streetAddress

Street address.
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	
city	Name of the city/post district.	String50	O	0..1	Trondheim

XML Element	Description	Type	Req/Rep.		Example
postalCode	Postal code for the relevant city/post district.	String20	O	0..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

postalAddress

Postal Address
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	
city	Name of the city/post district.	String50	M	1..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	M	1..1	7000
region	Country specific code to indicate regions /	String50	O	0..1	Sør-Trøndelag

	provinces within the tax authority.				
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

generalLedger

Can be used for listing of accounts, not necessary for compliance with the Cash Register System Act.This element describes general ledger accounts which corresponds with some elements in ctLine. All the corresponding elements are optional.

Optional. Element: ledgerAccount. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
accID	General ledger account number (identification)	identificationString35	M	1..1	3000
accDesc	General ledger account description	String999	M	1..1	Salg av mat

Example:

```
        <n1:generalLedger>
             <n1:ledgerAccount>
                  <n1:accID>3000</n1:accID>
```

```
                    <n1:accDesc>Salg av mat</n1:accDesc>
                </n1:ledgerAccount>
            </n1:generalLedger>
```

vatCodeDetails

The element **vat** within a cashtransaction and/or ctLine can be used to represent vatCode with values. dateOfEntry are used to keep track of from what point in time the codes first were present in the system.

The standard VAT codelist are valid regardless of changes in VAT percentage, as the codelist will be changed if *types* are added/deleted not rates changed within a code. Future change of standard VAT codelist will include versioning with valid periods.

If however several system specific codes (vatCode) are valid to the same standard code (standardVatCode), they should be listed one by one.

Optional. Element: vatCodeDetail *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
vatCode	VAT code used by the cash register system.	String20	M	1..1	30
dateOfEntry	Date of entry of the first time use of the VAT code.	xsd:date	M	1..1	2014-01-27

vatCodeDesc	VAT code description used by the cash register system.	String100	O	0..1	Vanlig sats
standardVatCode	Corresponding VAT code according to the overview of standard codes.	String9	M	1..1	3

Example:

```
<n1:vatCodeDetails>
        <n1:vatCodeDetail>
                <n1:vatCode>30</n1:vatCode>
                <n1:dateOfEntry>2014-01-27</n1:dateOfEntry>
                <n1:vatDesc>Vanlig sats</n1:vatDesc>
                <n1:standardVatCode>3</n1:standardVatCode>
        </n1:vatCodeDetail>
</n1:vatCodeDetails>
```

periods

Optional. Element: period. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
periodNumber	Period number of the defined period.	Nonnegativeinteger3	O	0..1	1

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periodDesc	Description of the defined period.	String50	O	0..1	January
startDatePeriod	Start date of the defined period.	xsd:date	O	0..1	2014-01-01
startTimePeriod	Start time of the defined period.	xsd:time	O	0..1	08:00:00
endDatePeriod	End date of the defined period.	xsd:date	O	0..1	2014-01-31
endTimePeriod	End time of the defined period.	xsd:time	O	0..1	23:59:59

Example:

```
<n1:periods>
        <n1:period>
                <n1:periodNumber>1</n1:periodNumber>
                <n1:periodDesc>January</n1:periodDesc>
                <n1:startDatePeriod>2014-01-01</n1:startDatePeriod>
                <n1:startTimePeriod>08:00:00</n1:startTimePeriod>
                <n1:endDatePeriod>2014-01-31</n1:endDatePeriod>
                <n1:endTimePeriod>23:59:59</n1:endTimePeriod>
        </n1:period>
</n1:periods>
```

employees

Contains data on the users that are present in events and cash transactions for the selection period.

Optional. Element: employee. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
empID	Unique employee ID.	IdentificationString35	M	1..1	1234
dateOfEntry	Date of entry.	xsd:date	M	1..1	2014-01-27
timeOfEntry	Time of entry.	xsd:time	M	1..1	08:00:00
firstName	Employee first name.	String50	O	0..1	Ola
surName	Employee last name.	String100	M	1..1	Nordmann
employeeRole	*Role of the employee.*		*O*	*0..U*	

Example:

```
<n1:employees>
        <n1:employee>
                <n1:empID>1234</n1:empID>
                <n1:dateOfEntry>2014-02-27</n1:dateOfEntry>
```

```
                    <n1:timeOfEntry>08:00:00</n1:timeOfEntry>
                    <n1:firstName>Ola</n1:firstName>
                    <n1:surName>Nordmann</n1:surName>
```

employeeRole

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
roleType	Role of the employee.	String50	M	1..1	Waiter, butler, shift leader etc
roleTypeDesc	Description of the role type, rights and function	String100	O	0..1	Lorem ipsum dolor sit amet...

Example:

```
                    <n1:employeeRole>
                            <n1:roleType>Waiter</n1:roleType>
                            <n1:roleTypeDesc>Lorem ipsum dolor sit amet...</n1:roleTypeDesc>
                    </n1:employeeRole>
                </n1:employee>
            </n1:employees>
```

articles

Describes all articles listed in the element artID in ctLine for the selection period of the audit file. It is not necessary to include all articles present in the cash register system. If several articles are combined in one ctLine use artGroupID if appropriate. In addition, cashTransLineDescr can be used to describe the article in the ctLine.

Optional. Element: article. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
artID	Article ID.	IdentificationString35	M	1..1	24339
dateOfEntry	Article date of entry.	xsd:date	M	1..1	2007-01-27
artGroupID	Article group ID. Refers to the item group. Description of the code must be stated in "basics".	IdentificationString35	O	0..1	24
artDesc	Description of the article.	String999	M	1..1	Lorem ipsum dolor sit amet...

Example:

```
            <n1:articles>
                  <n1:article>
                        <n1:artID>24339</n1:artID>
                        <n1:dateOfEntry>2007-01-27</n1:dateOfEntry>
```

```
                            <n1:artGroupID>24</n1:artGroupID>
                            <n1:artDesc>Lorem ipsum dolor sit amet...</n1:artDesc>
                    </n1:article>
               </n1:articles>
```

basics

The basics element is used to define various master data, and translate system specific codes into predefined standard codes. Master data relevant to the Norwegian SAF-T Cash Register are primarily the article group codes, transaction codes, codes for mode of payment, and codes of events.

In recording the various transactions and events in a cash register, the system specific codes are written to the Norwegian SAF-T Cash Register datafile.

There should be a corresponding basics element for each (system specific) code included in a Norwegian SAF-T Cash Register datafile.

Optional. Element: basic. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.	Example

basicType	Two digits code indicating the type of master data that the element describes. *See attachment for list of enumerated values.*	String9	M	1..1	11
basicID	Unique code for the individual structure (typical system specific)	IdentificationString35	M	1..1	VER
predefinedBasicID	Predefined 5 digits code that is included in addition to the company's own(system specific) basicID. When using this code, a mapping can be done between system specific basicID with standard defined codes. *See attachment for list of enumerated values.*	String9	O	0..1	11001
basicDesc	System specific description of the master structure.	String999	M	1..1	Cash Sale

Example:

```
<n1:basics>
        <n1:basic>
                <n1:basicType>11</n1:basicType>
                <n1:basicID>VER</n1:basicID>
                <n1:predefinedBasicID>11001</n1:predefinedBasicID>
                <n1:basicDesc>Cash Sale</n1:basicDesc>
```

```
            </n1:basic>
        </n1:basics>
```

location

The location element contains data on the physical location of the cash register, for instance the address of a certain establishment.

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
name	Name of the location.	String100	O	0..1	Shop Frogner.
streetAddress			*O*	*0..1*	
cashregister			*O*	*0..U*	

Example:

```
        <n1:location>
            <n1:name>Shop Frogner.</n1:name>
```

streetAddress

Street address.
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
streetname	Address line 1. Normally street name or post box. Can also include house number.	String100	O	0..1	Veien Veien 1
number	Address line 1. House number if available	String20	O	0..1	1
additionalAddressDetails	Address line 2.	String100	O	0..1	
city	Name of the city/post district.	String50	O	0..1	Trondheim
postalCode	Postal code for the relevant city/post district.	String20	O	0..1	7000
region	Country specific code to indicate regions / provinces within the tax authority.	String50	O	0..1	Sør-Trøndelag
country	Two-letter country code according to ISO 3166-1 alpha 2 standard.	Countrycode	O	0..1	NO

cashregister

The cash register element contains all data of one point of sale (cash register).
Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
registerID	The ID number of the cash register (the same as the number that must be printed on the receipt). This must be a unique description of the point of sale. There are no specific regulations on how to represent this. As a minimum it must be unique on each location, and preferably within a company. Examples are a combination of the licence ID and softwareversion. Other industry standard unique numbering systems can be used. When appropriate, unique hardware identification (serial nr) can be used.	String100	M	1..1	11.222-33.44.567 123456789 NO-2233445566-01
regDesc	Logical description of the cash register or point of sale.	String999	O	0..1	Outside bar, Ground floor bar Wardrobe, Box 1, Box 2
event			*O*	*0..U*	
cashtransaction			*O*	*0..U*	

Example:

```
<n1:cashregister>
        <n1:registerID>11.222-33.44.567</n1:registerID>
        <n1:regDesc>Outside bar</n1:regDesc>
```

event

The event element stores activity not represented as a cash register transaction (cashtransaction) or transaction line (ctline).

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
eventID	Unique system specific identification of this event.	IdentificationString35	M	1..1	ABC123
eventType	Reference to the type of event. Description of the system specific code must be stated in the table 'Basics' (basicType 13).	IdentificationString35	M	1..1	13
transID	Transaction ID. Should be used as a reference to the cash transaction ID.	IdentificationString35	O	0..1	11334455
empID	Reference to the employee. Employee must be included in the table "employees".	IdentificationString35	O	0..1	A01
eventDate	Date of the event.	xsd:date	M	1..1	2014-01-01

eventTime	Time of the event.	xsd:time	M	1..1	23:59:59
eventText	Event text.	String9999	O	0..1	Lorem ipsum dolor sit amet...
eventReport	*A structure for Z report and X report in accordance to the Cash Register Systems Act. It is mandatory to use this structure for these reports.*		*O*	*0..1*	

Example:

```
<n1:event>
        <n1:eventID>ABC123</n1:eventID>
        <n1:eventType>13</n1:eventType>
        <n1:transID>11334455</n1:transID>
        <n1:empID>A01</n1:empID>
        <n1:eventDate>2014-01-01</n1:eventDate>
        <n1:eventTime>23:59:59</n1:eventTime>
        <n1:eventText>Lorem ipsum dolor sit amet...</n1:eventText>
```

eventReport

A structure for Z and X report in accordance to the Cash Register Systems act. It is mandatory to use this structure to represent the Z/X-report for reports taken for the selection period. For mandatory elements that has no instances for the report period, please use 0 – numeric value zero – for the element.

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Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
reportID	The number of the Z/X report. The Z report must be numbered consecutively with sequential number. The X report can be numbered consecutively with sequential number, but there are no obligation. As a minimum there must be a value present.	IdentificationString35	M	1..1	123
reportType	An inscription that the report is an Z/X report. This field is enumerated and the only values allowed is "Z report" or "X report".	IdentificationString35	M	1..1	Z report X report
companyIdent	Organization number from The Brønnøysund Register Centre (Brønnøysundregistrene).	IdentificationString35	M	1..1	999999999
companyName	The name of the company.	String100	M	1..1	Butikken AS
reportDate	Date of the Z report.	xsd:date	M	1..1	2014-01-01
reportTime	Time of the Z report.	xsd:time	M	1..1	23:59:59
registerID	The ID number of the cash register or point of sale (for computerized system).	String100	M	1..1	11.222-33.44.567 123456789

	This is the same number that must be printed on the receipt.				NO-2233445566-01
	This must be a unique description of each point of sale. As a minimum all point of sales identifications must be unique on each location (of the business premises), and preferably within each company.				
	There are no specific regulations on how to represent this. Examples are a combination of the licence ID and softwareversion. Other industry standard unique numbering systems can be used.				
	When appropriate, unique hardware identification (serial nr) can be used (cash registers).				
reportTotalCashSales	*Total cash sales.*		M	1..1	
reportArtGroups	*The number of cash sales and amounts broken down at minimum by main article groups.*		M	1..1	
reportEmpArtGroups	*The number of cash sales and amounts broken down at minimum by main article groups, and for each individual operator if the cash register system has functionality for this.*		O	0..1	
	This requirement is not from Cash Register System Act regulations. This is advisable for industries that need this specification to comply with the Book keeping regulations.				

reportPayments	*The number of cash sales and amounts broken down by different means of payment.*		*M*	*1..1*	
reportEmpPayments	*The number of cash sales and amounts broken down by different means of payment, and for each individual operator if the cash register system has functionality for this.*		*O*	*0..1*	
reportTip	*The number of tips and amount. Mandatory to use if the cash register system has functionality for this.*		*O*	*0..1*	
reportCashSalesVat	*Cash sales subject to value added tax and cash sales free from value added tax, as well as value added tax from cash sales subdivided into different value added tax rates.*		*M*	*1..1*	
reportOpeningChangeFloat	Opening change float.	Amount2decimals	M	1..1	1234.00
reportEmpOpeningChangeFloats	*The opening change float per employee.* *Mandatory to use if the cash register system has functionality for this.*		*O*	*0..1*	
reportReceiptNum	The number of cash sales receipts issued.	Nonnegativeinteger10	M	1..1	1234
reportOpenCashBoxNum	The number of cash box openings.	Nonnegativeinteger10	M	1..1	12
reportReceiptCopyNum	The number of cash sales copy receipts.	Nonnegativeinteger10	M	1..1	13
reportReceiptCopyAmnt	Amount from copy receipts from cash sales.	Amount2decimals	M	1..1	1234.56

reportReceiptProformaNum	The number of pro forma cash sales receipts.	Nonnegativeinteger10	M	1..1	14
reportReceiptProformaAmnt	Pro forma cash sales receipts amount.	Amount2decimals	M	1..1	1234.56
reportReturnNum	The number of returns from cash sales.	Nonnegativeinteger10	M	1..1	15
reportReturnAmnt	Returns amount from cash sales.	Amount2decimals	M	1..1	1234.56
reportDiscountNum	The number of discounts.	Nonnegativeinteger10	M	1..1	16
reportDiscountAmnt	Discounts amount.	Amount2decimals	M	1..1	1234.56
reportVoidTransNum	The number of non-completed cash sales.	Nonnegativeinteger10	M	1..1	17
reportVoidTransAmnt	Sum of amounts from non-completed cash sales.	Amount2decimals	M	1..1	1234.56
reportCorrLines	*The number of line corrections specified by type and amount.*		*M*	*1..1*	
reportPriceInquiries	*The number of price look-ups specified by product group and amount.*		*M*	*1..1*	
reportOtherCorrs	*The number of other corrections specified by type and amount.*		*M*	*1..1*	
reportReceiptDeliveryNum	Number of delivery receipts.	Nonnegativeinteger10	M	1..1	18
reportReceiptDeliveryAmnt	Sum of amounts from delivery receipts.	Amount2decimals	M	1..1	1234.56
reportTrainingNum	Number of training mode transactions, both cash	Nonnegativeinteger10	M	1..1	19

	and credit sale.				
reportTrainingAmnt	Sum of amounts from transactions/receipts in training mode, both cash and credit sale.	Amount2decimals	M	1..1	1234.56
reportCreditSales	*The number of credit sales and amount.*		*O*	*0..1*	
reportCreditMemos	*The number of credit memos and amount from credit sales.*		*O*	*0..1*	
reportPayIns	*The number and amount of pay ins by type.* *If credit sales, specify payments regarding this as own type.*		*O*	*0..1*	
reportPayOuts	*The number and amount of payouts by type.*		*O*	*0..1*	
reportGrandTotalSales	Grand total sales are including cash sales and credit sales if cash register has the functionality for the latter, at the point of sale. Sales transactions registered in training mode is not to be included. The amount is including VAT for transactions eligible for VAT. The total is to be accumulated from "0" on installations done after 2017-01-01 on cash	Amount2decimals	M	1..1	1234.56

	register systems that are in compliance with the Cash Register Systems Act. If the cash register system already has Grand Total amount stated on X/Z reports, it is not necessary to reset the accumulation on upgrading the system to comply with the Cash Register Systems Act.				
reportGrandTotalReturn	Grand total amount of returns. See description on reportGrandTotalSales for further details.	Amount2decimals	M	1..1	234.56
reportGrandTotalSalesNet	Grand total net is sales less returns. See description on reportGrandTotalSales for further details.	Amount2decimals	M	1..1	1000.00

Example:

```
<n1:eventReport>
        <n1:reportID>123</n1:reportID>
        <n1:reportType>Z report</n1:reportType>
        <n1:companyIdent>999999999</n1:companyIdent>
        <n1:companyName>Butikken AS</n1:companyName>
        <n1:reportDate>2014-01-01</n1:reportDate>
        <n1:reportTime>23:59:59</n1:reportTime>
```

See below for structures . . . .

See below for structures . . . .

See below for structures . . . .

See below for structures . . . .

```
                                          <n1:registerID>11.222-33.44.567</n1:registerID>

                                          <n1:reportOpeningChangeFloat>1234.56</n1:reportOpeningChangeFloat>

                                          <n1:reportReceiptNum>1234</n1:reportReceiptNum>
                                          <n1:reportOpenCashBoxNum>12</n1:reportOpenCashBoxNum>
                                          <n1:reportReceiptCopyNum>13</n1:reportReceiptCopyNum>
                                          <n1:reportReceiptCopyAmnt>1234.56</n1:reportReceiptCopyAmnt>
                                          <n1:reportReceiptProformaNum>14</n1:reportReceiptProformaNum>
                                          <n1:reportReceiptProformaAmnt>1234.56</n1:reportReceiptProformaAmnt>
                                          <n1:reportReturnNum>15</n1:reportReturnNum>
                                          <n1:reportReturnAmnt>1234.56</n1:reportReturnAmnt>
                                          <n1:reportDiscountNum>16</n1:reportDiscountNum>
                                          <n1:reportDiscountAmnt>1234.56</n1:reportDiscountAmnt>
                                          <n1:reportVoidTransNum>17</n1:reportVoidTransNum>
                                          <n1:reportVoidTransAmnt>1234.56</n1:reportVoidTransAmnt>

                                          <n1:reportReceiptDeliveryNum>18</n1:reportReceiptDeliveryNum>
                                          <n1:reportReceiptDeliveryAmnt>1234.56</n1:reportReceiptDeliveryAmnt>
                                          <n1:reportTrainingNum>19</n1:reportTrainingNum>
                                          <n1:reportTrainingAmnt>1234.56</n1:reportTrainingAmnt>

                                          <n1:reportGrandTotalSales>1234.56</n1:reportGrandTotalSales>
                                          <n1:reportGrandTotalReturn>234.56</n1:reportGrandTotalReturn>
                                          <n1:reportGrandTotalSalesNet>1000.00</n1:reportGrandTotalSalesNet>
```

```
                              </n1:eventReport>
```

reportTotalCashSales

Mandatory. Repetitions: 1..1

XML Element	Description	Type	Req/Rep.		Example
totalCashSaleAmnt	Total cash sales amount.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	3000
accDesc	Account description.	String999	O	0..1	Salg butikkvarer

Example:

```
                        <n1:reportTotalCashSales>
                              <n1:totalCashSaleAmnt>1234.56</n1:totalCashSaleAmnt>
                              <n1:accID>3000</n1:accID>
                              <n1:accDesc>Salg av butikkvarer</n1:accDesc>
                        </n1:reportTotalCashSales>
```

reportArtGroups

Mandatory. Element: reportArtGroup. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
artGroupID	Article group ID. Refers to the item group. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	05
artGroupNum	Number of cash sales in article group.	Amount6decimals	M	1..1	1234.567890
artGroupAmnt	Amount from cash sales in article group.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	
accDesc	Account description.	String999	O	0..1	

```
<n1:reportArtGroups>
    <n1:reportArtGroup>
        <n1:artGroupID>05</n1:artGroupID>
        <n1:artGroupNum>1234.567890</n1:artGroupNum>
        <n1:artGroupAmnt>1234.56</n1:artGroupAmnt>
    </n1:reportArtGroup>
</n1:reportArtGroups>
```

reportEmpArtGroups

Use if the Cash Register has this functionality.

This requirement is not from Cash Register System Act regulations. This is advisable for industries that need to this specification to comply with the Book keeping regulations. See also code list for Article Group Codes.

Optional. Element: reportEmpArtGroup. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
empID	Employee ID. This element is mandatory to use if the Cash Register has a function for this.	IdentificationString35	M	1..1	A01
artGroupID	Article group ID. Refers to the item group.	IdentificationString35	M	1..1	05

	Description of the code must be stated in the table 'Basics'.				
artGroupNum	Number of cash sales in article group.	Amount6decimals	M	1..1	1234.567890
artGroupAmnt	Amount from cash sales in article group.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	
accDesc	Account description.	String999	O	0..1	

Example:

```
<n1:reportEmpArtGroups>
    <n1:reportEmpArtGroup>
        <n1:empID>A01</n1:empID>
        <n1:artGroupID>05</n1:artGroupID>
        <n1:artGroupNum>1234.567890</n1:artGroupNum>
        <n1:artGroupAmnt>1234.56</n1:artGroupAmnt>
    </n1:reportEmpArtGroup>
</n1:reportEmpArtGroups>
```

reportPayments

Mandatory. Element: reportPayment. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
paymentType	Reference to the type of payment. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	Cash, credit card, gift card etc.
paymentNum	Number of payments.	Nonnegativeinteger10	M	1..1	12
paymentAmnt	Payment amounts.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	1910
accDesc	Account description.	String999	O	0..1	Kassekonto

Example:

```
<n1:reportPayments>
    <n1:reportPayment>
        <n1:paymentType>Cash</n1:paymentType>
        <n1:paymentNum>12</n1:paymentNum>
        <n1:paymentAmnt>1234.56</n1:paymentAmnt>
        <n1:accID>1910</n1:accID>
```

<n1:accDesc>Kassekonto</n1:accDesc>
</n1:reportPayment>
</n1:reportPayments>

reportEmpPayments

Use if the Cash Register has this functionality.

Optional. Element: reportEmpPayment. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
empID	Employee ID. This element is mandatory to use if the Cash Register has a function for this.	IdentificationString35	M	0..1	A01
paymentType	Reference to the type of payment. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	Cash, credit card, gift card etc.
paymentNum	Number of payments.	Nonnegativeinteger10	M	1..1	123
paymentAmnt	Payment amounts.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	1920
accDesc	Account description.	String999	O	0..1	Bankkonto

```
<n1:reportEmpPayments>
    <n1:reportEmpPayment>
        <n1:empID>A01</n1:empID>
        <n1:paymentType>Cash</n1:paymentType>
        <n1:paymentNum>123</n1:paymentNum>
        <n1:paymentAmnt>1234.56</n1:paymentAmnt>
        <n1:accID>1920</n1:accID>
        <n1:accDesc>Bankkonto</n1:accDesc>
    </n1:reportEmpPayment>
</n1:reportEmpPayments>
```

reportTip

Use if the Cash Register has this functionality.

Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
tipNum	Number of tips.	Nonnegativeinteger10	M	1..1	12
tipAmnt	Sum of tips amounts.	Amount2decimals	M	1..1	1234.56

accID	Unique account ID.	IdentificationString35	O	0..1	1930
accDesc	Account description.	String999	O	0..1	Bankkonto tips

Example:

```
<n1:reportTip>
        <n1:tipNum>12</n1:tipNum>
        <n1:tipAmnt>1234.56</n1:tipAmnt>
        <n1:accID>1930</n1:accID>
        <n1:accDesc>Bankkonto tips</n1:accDesc>
</n1:reportTip>
```

reportCashSalesVat

Mandatory. Element: reportCashSaleVat. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
vatCode	Vat code.	String20	O	0..1	3
vatPerc	Vat percentage.	Decimal8	M	1..1	25.00
cashSaleAmnt	Total cash sales amount excluded VAT.	Amount2decimals	M	1..1	100.00

vatAmnt	Vat amount from cash sales.	Amount2decimals	M	1..1	25.00
vatAmntTp	Indication whether the VAT amount is debit or credit. *Choose from the following enumerated values:* *C - Credit* *D - Debit*	Debitcredittype	O	0..1	C
accID	Unique account ID.	IdentificationString35	O	0..1	1601
accDesc	Account description.	String999	O	0..1	Utgående merverdiavgift, høy sats

Example:

```
<n1:reportCashSalesVat>
        <n1:reportCashSaleVat>
                <n1:vatCode>3</n1:vatCode>
                <n1:vatPerc>25.00</n1:vatPerc>
                <n1:cashSaleAmnt>100.00</n1:saleAmnt>
                <n1:vatAmnt>25.00</n1:vatAmnt>
                <n1:vatAmntTp>C</n1:vatAmntTp>
                <n1:accID>1601</n1:accID>
                <n1:accDesc>Utgående merverdiavgift, høy sats</n1:accDesc>
        </n1:reportCashSaleVat>
</n1:reportCashSalesVat>
```

reportEmpOpeningChangeFloats

Use if the Cash Register has this functionality.

Optional. Element: reportEmpOpeningChangeFloat. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
empID	Employee ID. This element is mandatory to use if the Cash Register has a function for this.	IdentificationString35	M	1..1	A01
OpeningChangeFloatAmnt	Opening change float amount per empoyee.	Amount2decimals	M	1..1	1234.00
accID	Unique account ID.	IdentificationString35	O	0..1	1930
accDesc	Account description.	String999	O	0..1	Bankkonto tips

Example:

```
<n1:reportEmpOpeningChangeFloats>
    <n1:reportEmpOpeningChangeFloat>
        <n1:empID>A01</n1:empID>
        <n1:openingChangeFloatAmnt>1234.00</n1:openingChangeFloatAmnt>
        <n1:accID>1930</n1:accID>
        <n1:accDesc>Bankkonto tips</n1:accDesc>
    </ n1:reportEmpOpeningChangeFloat>
</n1:reportEmpOpeningChangeFloats>
```

reportCorrLines

Mandatory. Element: reportCorrLine. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
corrLineType	Type of line correction.	IdentificationString35	M	1..1	Korriger siste
corrLineNum	Number of line corrections.	Nonnegativeinteger10	M	1..1	123
corrLineAmnt	Amount from line corrections.	Amount2decimals	M	1..1	1234.56

Example:

```
<n1:reportCorrLines>
        <n1:reportCorrLine>
                <n1:corrLineType>Korriger siste</n1:corrLineType>
                <n1:corrLineNum>123</n1:corrLineNum>
                <n1:corrLineAmnt>1234.56</n1:corrLineAmnt>
        </n1:reportCorrLine>
</n1:reportCorrLines>
```

reportPriceInquiries

Mandatory. Element: reportPriceInquiry. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
priceInquiryGroup	Article group ID.	IdentificationString35	M	1..1	05
priceInquiryNum	The number of price inquiries.	Nonnegativeinteger10	M	1..1	123
priceInquiryAmnt	Sum of amounts of the inquiries.	Amount2decimals	M	1..1	1234.56

Example:

```
<n1:reportPriceInquiries>
        <n1:reportPriceInquiry>
                <n1:priceInquiryGroup>05</n1:priceInquiryGroup>
                <n1:priceInquiryNum>123</n1:priceInquiryNum>
                <n1:priceInquiryAmnt>1234.56</n1:priceInquiryAmnt>
        </n1:reportPriceInquiry>
</n1:reportPriceInquiries>
```

reportOtherCorrs

Use for reporting of corrections not specified elsewhere. If no other corrections exists, fill inn "NONE" as otherCorrType and "0" as otherCorrNum and "0.00" as otherCorrAmnt.

Mandatory. Element: reportOtherCorr. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
otherCorrType	Type of other correction.	IdentificationString35	M	1..1	ABC
otherCorrNum	Number of other corrections.	Nonnegativeinteger10	M	1..1	12
otherCorrAmnt	Amount from other corrections.	Amount2decimals	M	1..1	1234.56

Example:

```
<n1:reportOtherCorrs>
        <n1:reportOtherCorr>
                <n1:otherCorrType>ABC</n1:otherCorrType>
                <n1:otherCorrNum>12</n1:otherCorrNum>
                <n1:otherCorrAmnt>1234.56</n1:otherCorrAmnt>
        </n1:reportOtherCorr>
</n1:reportOtherCorrs>
```
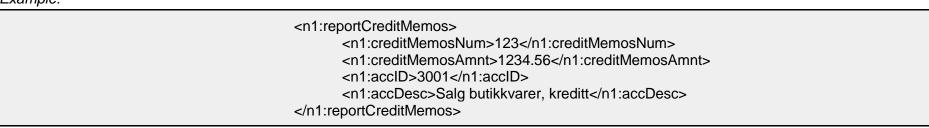
reportCreditSales

Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
creditSalesNum	Number of credit sales.	Nonnegativeinteger10	M	1..1	123
creditSalesAmnt	Amount from credit sales.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	3001
accDesc	Account description.	String999	O	0..1	Salg butikkvarer, kreditt

Example:

```
<n1:reportCreditSales>
        <n1:creditSalesNum>123</n1:creditSalesNum>
        <n1:creditSalesAmnt>1234.56</n1:creditSalesAmnt>
        <n1:accID>3001</n1:accID>
        <n1:accDesc>Salg butikkvarer, kreditt</n1:accDesc>
</n1:reportCreditSales>
```

reportCreditMemos

Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
creditMemosNum	Number of credit memos from credit sales. .	Nonnegativeinteger10	M	1..1	123
creditMemosAmnt	Sum of amount of credit memos from credit sales.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	3001
accDesc	Account description.	String999	O	0..1	Salg butikkvarer, kreditt

Example:

```
<n1:reportCreditMemos>
        <n1:creditMemosNum>123</n1:creditMemosNum>
        <n1:creditMemosAmnt>1234.56</n1:creditMemosAmnt>
        <n1:accID>3001</n1:accID>
        <n1:accDesc>Salg butikkvarer, kreditt</n1:accDesc>
</n1:reportCreditMemos>
```
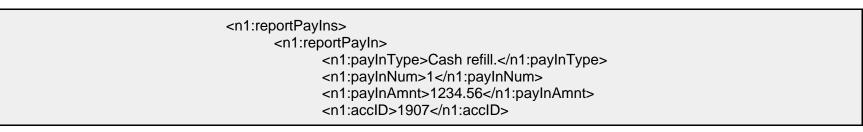
reportPayIns

If credit sales, specify payments regarding this as own type.

Optional. Element: reportPayIn. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
payInType	Type of payins.	IdentificationString35	M	1..1	Cash refill.
payInNum	Number of payin per type.	Nonnegativeinteger10	M	1..1	1
payInAmnt	Amount of payin per type.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	1907
accDesc	Account description.	String999	O	0..1	Kasse innbetalinger

Example:

```
<n1:reportPayIns>
    <n1:reportPayIn>
        <n1:payInType>Cash refill.</n1:payInType>
        <n1:payInNum>1</n1:payInNum>
        <n1:payInAmnt>1234.56</n1:payInAmnt>
        <n1:accID>1907</n1:accID>
```

```
                    <n1:accDesc>Kasse innbetalinger</n1:accDesc>
                </n1:reportPayIn>
            </n1:reportPayIns>
```

reportPayOuts

Optional. Element: reportPayOut. *Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
payOutType	Type of pay out.	IdentificationString35	M	1..1	Drop
payOutNum	Number of pay outs per type.	Nonnegativeinteger10	M	1..1	1
payOutAmnt	Amount of pay outs per type.	Amount2decimals	M	1..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	1908
accDesc	Account description.	String999	O	0..1	Kassedropp

Example:

```
                        <n1:reportPayOuts>
```

```
                                    <n1:reportPayOut>
                                            <n1:payOutType>Drop</n1:payOutType>
                                            <n1:payOutNum>1</n1:payOutNum>
                                            <n1:payOutAmnt>1234.56</n1:payOutAmnt>
                                            <n1:accID>1908</n1:accID>
                                            <n1:accDesc>Kassedropp</n1:accDesc>
                                    </n1:reportPayOut>
                            </n1:reportPayOuts>
```

Full example of Z or X report with all elements and structures:

```
                            <n1:eventReport>
                                    <n1:reportID>123</n1:reportID>
                                    <n1:reportType>Z report</n1:reportType>
                                    <n1:companyIdent>999999999</n1:companyIdent>
                                    <n1:companyName>Butikken AS</n1:companyName>
                                    <n1:reportDate>2014-01-01</n1:reportDate>
                                    <n1:reportTime>23:59:59</n1:reportTime>
                                    <n1:registerID>11.222-33.44.567</n1:registerID>
                                    <n1:reportTotalCashSales>
                                            <n1:totalCashSaleAmnt>1234.56</n1:totalCashSaleAmnt>
                                            <n1:accID>3000</n1:accID>
                                            <n1:accDesc>Salg av butikkvarer</n1:accDesc>
```

```xml
        </n1:reportTotalCashSales>
        <n1:reportArtGroups>
                <n1:reportArtGroup>
                        <n1:artGroupID>05</n1:artGroupID>
                        <n1:artGroupNum>1234.567890</n1:artGroupNum>
                        <n1:artGroupAmnt>1234.56</n1:artGroupAmnt>
                </n1:reportArtGroup>
        </n1:reportArtGroups>
        <n1:reportEmpArtGroups>
                <n1:reportEmpArtGroup>
                        <n1:empID>A01</n1:empID>
                        <n1:artGroupID>05</n1:artGroupID>
                        <n1:artGroupNum>1234.567890</n1:artGroupNum>
                        <n1:artGroupAmnt>1234.56</n1:artGroupAmnt>
                </n1:reportEmpArtGroup>
        </n1:reportEmpArtGroups>
        <n1:reportPayments>
                <n1:reportPayment>
                        <n1:paymentType>Cash</n1:paymentType>
                        <n1:paymentNum>12</n1:paymentNum>
                        <n1:paymentAmnt>1234.56</n1:paymentAmnt>
                        <n1:accID>1910</n1:accID>
                        <n1:accDesc>Kassekonto</n1:accDesc>
                </n1:reportPayment>
        </n1:reportPayments>
```

```xml
<n1:reportEmpPayments>
        <n1:reportEmpPayment>
                <n1:empID>A01</n1:empID>
                <n1:paymentType>Cash</n1:paymentType>
                <n1:paymentNum>123</n1:paymentNum>
                <n1:paymentAmnt>1234.56</n1:paymentAmnt>
                <n1:accID>1920</n1:accID>
                <n1:accDesc>Bankkonto</n1:accDesc>
        </n1:reportEmpPayment>
</n1:reportEmpPayments>
<n1:reportTip>
        <n1:tipNum>12</n1:tipNum>
        <n1:tipAmnt>1234.56</n1:tipAmnt>
        <n1:accID>1930</n1:accID>
        <n1:accDesc>Bankkonto tips</n1:accDesc>
</n1:reportTip>
<n1:reportCashSalesVat>
        <n1:reportCashSaleVat>
                <n1:vatCode>3</n1:vatCode>
                <n1:vatPerc>25.00</n1:vatPerc>
                <n1:cashSaleAmnt>100.00</n1:saleAmnt>
                <n1:vatAmnt>25.00</n1:vatAmnt>
                <n1:vatAmntTp>C</n1:vatAmntTp>
                <n1:accID>1601</n1:accID>
                <n1:accDesc>Utgående merverdiavgift, høy sats</n1:accDesc>
```

```
                                </n1:reportCashSaleVat>
                        </n1:reportCashSalesVat>
                        <n1:reportOpeningChangeFloat>1234.56</n1:reportOpeningChangeFloat>
                        <n1:reportEmpOpeningChangeFloats>
                                <n1:reportEmpOpeningChangeFloat>
                                        <n1:empID>A01</n1:empID>
                                        <n1:openingChangeFloatAmnt>1234.00</n1:openingChangeFloatAmnt>
                                        <n1:accID>1930</n1:accID>
                                        <n1:accDesc>Bankkonto tips</n1:accDesc>
                                </ n1:reportEmpOpeningChangeFloat>
                        </n1:reportEmpOpeningChangeFloats>
                        <n1:reportReceiptNum>1234</n1:reportReceiptNum>
                        <n1:reportOpenCashBoxNum>12</n1:reportOpenCashBoxNum>
                        <n1:reportReceiptCopyNum>13</n1:reportReceiptCopyNum>
                        <n1:reportReceiptCopyAmnt>1234.56</n1:reportReceiptCopyAmnt>
                        <n1:reportReceiptProformaNum>14</n1:reportReceiptProformaNum>
                        <n1:reportReceiptProformaAmnt>1234.56</n1:reportReceiptProformaAmnt>
                        <n1:reportReturnNum>15</n1:reportReturnNum>
                        <n1:reportReturnAmnt>1234.56</n1:reportReturnAmnt>
                        <n1:reportDiscountNum>16</n1:reportDiscountNum>
                        <n1:reportDiscountAmnt>1234.56</n1:reportDiscountAmnt>
                        <n1:reportVoidTransNum>17</n1:reportVoidTransNum>
                        <n1:reportVoidTransAmnt>1234.56</n1:reportVoidTransAmnt>
                        <n1:reportCorrLines>
                                <n1:reportCorrLine>
```

```
                    <n1:corrLineType>Korriger siste</n1:corrLineType>
                    <n1:corrLineNum>123</n1:corrLineNum>
                    <n1:corrLineAmnt>1234.56</n1:corrLineAmnt>
            </n1:reportCorrLine>
    </n1:reportCorrLines>
    <n1:reportPriceInquiries>
            <n1:reportPriceInquiry>
                    <n1:priceInquiryGroup>05</n1:priceInquiryGroup>
                    <n1:priceInquiryNum>123</n1:priceInquiryNum>
                    <n1:priceInquiryAmnt>1234.56</n1:priceInquiryAmnt>
            </n1:reportPriceInquiry>
    </n1:reportPriceInquiries>
    <n1:reportOtherCorrs>
            <n1:reportOtherCorr>
                    <n1:otherCorrType>ABC</n1:otherCorrType>
                    <n1:otherCorrNum>12</n1:otherCorrNum>
                    <n1:otherCorrAmnt>1234.56</n1:otherCorrAmnt>
            </n1:reportOtherCorr>
    </n1:reportOtherCorrs>
    <n1:reportReceiptDeliveryNum>18</n1:reportReceiptDeliveryNum>
    <n1:reportReceiptDeliveryAmnt>1234.56</n1:reportReceiptDeliveryAmnt>
    <n1:reportTrainingNum>19</n1:reportTrainingNum>
    <n1:reportTrainingAmnt>1234.56</n1:reportTrainingAmnt>
    <n1:reportCreditSales>
            <n1:creditSalesNum>123</n1:creditSalesNum>
```

```xml
            <n1:creditSalesAmnt>1234.56</n1:creditSalesAmnt>
            <n1:accID>3001</n1:accID>
            <n1:accDesc>Salg butikkvarer, kreditt</n1:accDesc>
    </n1:reportCreditSales>
    <n1:reportCreditMemos>
            <n1:creditMemosNum>123</n1:creditMemosNum>
            <n1:creditMemosAmnt>1234.56</n1:creditMemosAmnt>
            <n1:accID>3001</n1:accID>
            <n1:accDesc>Salg butikkvarer, kreditt</n1:accDesc>
    </n1:reportCreditMemos>
    <n1:reportPayIns>
            <n1:reportPayIn>
                    <n1:payInType>Cash refill.</n1:payInType>
                    <n1:payInNum>1</n1:payInNum>
                    <n1:payInAmnt>1234.56</n1:payInAmnt>
                    <n1:accID>1907</n1:accID>
                    <n1:accDesc>Kasse innbetalinger</n1:accDesc>
            </n1:reportPayIn>
    </n1:reportPayIns>
    <n1:reportPayOuts>
            <n1:reportPayOut>
                    <n1:payOutType>Drop</n1:payOutType>
                    <n1:payOutNum>1</n1:payOutNum>
                    <n1:payOutAmnt>1234.56</n1:payOutAmnt>
                    <n1:accID>1908</n1:accID>
```

```
                          <n1:accDesc>Kassedropp</n1:accDesc>
                       </n1:reportPayOut>
                    </n1:reportPayOuts>
                    <n1:reportGrandTotalSales>1234.56</n1:reportGrandTotalSales>
                    <n1:reportGrandTotalReturn>234.56</n1:reportGrandTotalReturn>
                    <n1:reportGrandTotalSalesNet>1000.00</n1:reportGrandTotalSalesNet>
                 </n1:eventReport>
```

cashtransaction

The cash transaction element contains data about a transaction for which the cash register is used.

Optional. Element: basic. *Repetitions: 0..U*

XML Element	Description	Type	Req/Rep.		Example
nr	Transaction number, also used as reference to the ctLine - nr - element. This must be a unique, sequential number within a journal. This will be the same as the number stated on the issued receipt.	IdentificationString35	M	1..1	123456789

transID	Transaction ID. Other unique internal, sequential ID used by the cash register system. This can be the equivalent of the element "nr".	IdentificationString35	M	1..1	987654321
transType	Transaction type. Description of the code must be declared in the 'Basics' table.	IdentificationString35	O	0..1	VER
transAmntIn	The amount involved in the transaction, including VAT.	Amount2decimals	M	1..1	1250.00
transAmntEx	The amount involved in the transaction, excluding VAT.	Amount2decimals	M	1..1	1000.00
amntTp	Amount type. Choose between the following enumerations: *D - Debit* *C – Credit* An increase in revenue (such as sales) is to be marked as C, while a decrease in revenue (such as returns) is to be marked as D	Debitcredittype	M	1..1	C
empID	Unique identification of the employee who has performed the transaction (refers to the empID of the employee element).	IdentificationString35	O	0..1	A10
custSupID	Unique identification of customer or supplier (refers to customerSupplier table).	IdentificationString35	O	0..1	330020
periodNumber	Period number. See table/structure 'periods'.	Nonnegativeinteger3	O	0..1	01

transDate	Date at which the transaction was performed.	xsd:date	M	1..1	2014-01-01
transTime	Time at which the transaction was performed. The time must be in Norwegian time and adjusted for daylight saving time (summer time).	xsd:time	M	1..1	23:59:59
bookDate	Booking date of order or table in a restaurant.	xsd:date	O	0..1	2014-01-01
bookTime	Booking time of order or table in a restaurant. The time must be in Norwegian time and adjusted for daylight saving time (summer time).	xsd:time	O	0..1	20:59:00
invoiceID	The identification of the invoice, if the transaction is a credit sale and the system has the information available. This is used when issuing a delivery receipt for the transaction, which must be done when using the cash register system for credit sales.	IdentificationString35	O	0..1	123456789
refID	Description on how this transaction can be identified, a system specific reference. This can also be the table number in a restaurant, or other booking reference.	String9999	O	0..1	14-20321
desc	Other/further description of the transaction.	String9999	O	0..1	Lorem ipsum dolor sit amet...

ctLine	*Details of this transaction.*		O	0..U	
vat	*Element with VAT data.*		O	0..U	
savings	*Saving systems.*		O	0..U	
discount	*Discounts granted in this transaction.*		O	0..U	
raise	*Surcharges on the amount of this transaction.*		O	0..U	
rounding	*For recording any rounding of figures.*		O	0..1	
payment	*Payment regarding this transaction.*		O	0..U	
signature	The digital signature based on RSA-SHA1-1024 or HMAC-SHA1-128. See the following document for more information on the signature. If signature is not implemented use "NA" as value.	String999	M	1..1	MIICWgIBAAKBgQCsN….. NA
keyVersion	The version of the private/secret key. If signature is not implemented use "NA" as value.	String50	M	1..1	1 NA
receiptNum	Number of receipts issued for the transaction.	Nonnegativeinteger3	O	0..1	1
receiptCopyNum	Number of copy receipts issued from the point of sale/cash register, for this transaction.	Nonnegativeinteger3	O	0..1	1

receiptProformaNum	Number of pro forma receipts for the transaction.	Nonnegativeinteger3	O	0..1	2
receiptDeliveryNum	Number of delivery receipts for the transaction..	Nonnegativeinteger3	O	0..1	0
voidTransaction	Specifies whether the transaction has been cancelled. Use if cash register has the functionality. Boolean, please use: *Cancelled = true* *Not cancelled = false*	Flag	O	0..1	true false
trainingID	Specifies whether this is a training cash transaction or not. Use if cash register has the functionality. Boolean, please use: *Training = true* *Not training = false*	Flag	O	0..1	true false

Example:

```
<n1:cashtransaction>
        <n1:nr>123456789</n1:nr>
        <n1:transID>987654321</n1:transID>
        <n1:transType>VER</n1:transType>
        <n1:transAmntIn>1250.00</n1:transAmntIn>
```

```
                                        <n1:transAmntEx>1000.00</n1:transAmntEx>
                                        <n1:amntTp>C</n1:amntTp>
                                        <n1:empID>A10</n1:empID>
                                        <n1:custSupID>330020</n1:custSupID>
                                        <n1:periodNumber>01</n1:periodNumber>
                                        <n1:transDate>2014-01-01</n1:transDate>
                                        <n1:transTime>23:59:59</n1:transTime>
                                        <n1:bookDate>2014-01-01</n1:bookDate>
                                        <n1:bookTime>20:59:00</n1:bookTime>
                                        <n1:invoiceID>123456789</n1:invoiceID>
                                        <n1:refID>14-20321</n1:refID>
                                        <n1:desc>Lorem ipsum dolor sit amet...</n1:desc>

See below for structures . . . .
                                        <n1:signature>MIICWgIBAAKBgQCsN.....</n1:signature>
                                        <n1:keyVersion>1</n1:keyVersion>
                                        <n1:receiptNum>1</n1:receiptNum>
                                        <n1:receiptCopyNum>1</n1:receiptCopyNum>
                                        <n1:receiptProformaNum>2</n1:receiptProformaNum>
                                        <n1:receiptDeliveryNum>0</n1:receiptDeliveryNum>
                                        <n1:voidTransaction>true</n1:voidTransaction>
                                        <n1:trainingID>true</n1:trainingID>
                                    </n1:cashtransaction>
                                </n1:cashregister>
                            </n1:location>
                    </n1:company>
```

ctLine

The ctLine element contains details data of a transaction. If, for instance, the transaction describes a sales slip, the ctLines are the slip lines. The data not described in the cash transaction element, are described in the ctLine.

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
nr	Transaction number, also used as reference to the cashtransaction - nr - element. This must be a unique, sequential number within a journal. This will be the same as the number stated on the issued receipt.	IdentificationString35	M	1..1	123456789
lineID	Transaction line number. Should be a unique sequential number within a transaction.	IdentificationString35	M	1..1	1
lineType	Reference to ticketline codes. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	Correction, returns, booking, deposit, gift certificate, etc.
artGroupID	Article group ID. Refers to the item group. Description of the code must be stated in the table 'Basics'.	IdentificationString35	O	0..1	ABC123
artID	Unique article ID.	IdentificationString35	O	0..1	12341234

qnt	Quantity of an article.	Amount6decimals	O	0..1	1.123456
lineAmntIn	Line amount, VAT included.	Amount2decimals	M	1..1	1250.00
lineAmntEx	Line amount, VAT excluded.	Amount2decimals	M	1..1	1000.00
amntTp	Amount type. Choose between the following enumerations: *D - Debit* *C – Credit* An increase revenue (such as sales) is to be marked as C, while a decrease in revenue (such as returns) is to be marked as D	Debitcredittype	M	1..1	C
ppu	Price per unit.	Amount6decimals	O	0..1	
costPrice	Cost price of the article.	Amount2decimals	O	0..1	
costID	Reference to the cost center. Description of the code must be stated in the table 'Basics'.	IdentificationString35	O	0..1	
costObjID	Reference to the cost carrier. Description of the code must be stated in the table 'Basics'.	IdentificationString35	O	0..1	
projID	Reference to project (instead of cost type and cost center). Description of the code must be stated in the table 'Basics'.	IdentificationString35	O	0..1	
empID	Unique identification of the employee who has performed this transaction (refers to the empID of	IdentificationString35	O	0..1	A10

	the employee element).				
lineAmntInAccID	Amount (VAT included) Account ID. Unique ledger account code.	IdentificationString35	O	0..1	
cashTransLineDescr	Cash transaction line description.	String9999	O	0..1	Lorem ipsum dolor sit amet...
lineDate	Line date.	xsd:date	O	0..1	2014-01-01
lineTime	Line time. The time must be in Norwegian time and adjusted for daylight saving time (summer time).	xsd:time	O	0..1	21:05:00
vat	*Element with VAT data*		*O*	*0..1*	
savings	*Saving systems*		*O*	*0..U*	
discount	*Discounts granted in this transaction*		*O*	*0..U*	
raise	*Surcharges on the amount of this transaction*		*O*	*0..U*	

Example:

```
            <n1:ctLine>
```

```
                                        <n1:nr>123456789</n1:nr>
                                        <n1:lineID>1</n1:lineID>
                                        <n1:lineType>Correction</n1:lineType>
                                        <n1:artGroupID>ABC123</n1:artGroupID>
                                        <n1:artID>12341234</n1:artID>
                                        <n1:qnt>1.123456</n1:qnt>
                                        <n1:lineAmntIn>1250</n1:lineAmntIn>
                                        <n1:lineAmntEx>1000</n1:lineAmntEx>
                                        <n1:amntTp>C</n1:amntTp>
                                        <n1:empID>A10</n1:empID>
                                        <n1:cashTransLineDescr>Lorem ipsum dolor sit amet...</n1:cashTransLineDescr>
                                        <n1:lineDate>2014-01-01</n1:lineDate>
                                        <n1:lineTime>21:05:00</n1:lineTime>
See below for structures . . . .
```
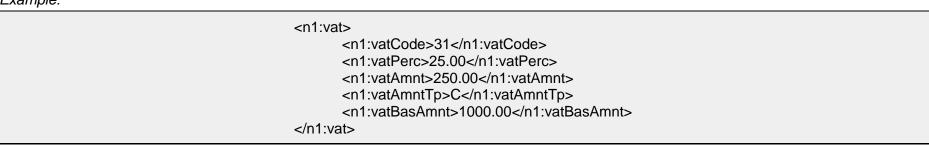
vat

Optional. Repetitions: 0..1

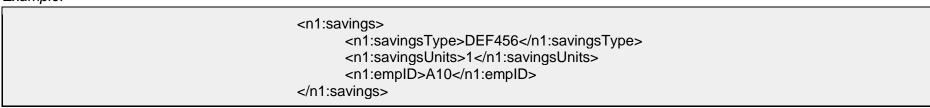| XML Element	Description	Type	Req/Rep.		Example
vatCode	The VAT Codes used by the cash register system. The link (mapping) to the standard VAT codes must be stated in vatCodeDetails.	String20	O	0..1	31

vatPerc	VAT percentage.	Decimal8	O	0..1	25.00
vatAmnt	VAT amount.	Amount2decimals	M	1..1	250.00
vatAmntTp	Indication whether the VAT amount is debit or credit. *Choose from the following enumerated values:* *C - Credit* *D - Debit*	Debitcredittype	O	0..1	C
vatBasAmnt	Base amount for tax calculation.	Amount2decimals	O	0..1	1000.00
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:vat>
        <n1:vatCode>31</n1:vatCode>
        <n1:vatPerc>25.00</n1:vatPerc>
        <n1:vatAmnt>250.00</n1:vatAmnt>
        <n1:vatAmntTp>C</n1:vatAmntTp>
        <n1:vatBasAmnt>1000.00</n1:vatBasAmnt>
</n1:vat>
```

savings

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
savingsType	Reference to the type of savings system. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	DEF456
savingsUnits	Number of units.	Nonnegativeinteger10	M	1..1	1
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:savings>
        <n1:savingsType>DEF456</n1:savingsType>
        <n1:savingsUnits>1</n1:savingsUnits>
        <n1:empID>A10</n1:empID>
</n1:savings>
```

discount

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
dscTp	Reference to the type of discount. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	GHI789
dscAmnt	Discount amount.	Amount2decimals	M	1..1	1234.56
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:discount>
        <n1:dscTp>GHI789</n1:dscTp>
        <n1:dscAmnt>1234.56</n1:dscAmnt>
        <n1:empID>A10</n1:empID>
</n1:discount>
```

raise

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
raiseType	Reference to the type of mark-up. This can be used to represent tip amounts, on transaction level, if the cash register has the functionality. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	JKL098
raiseAmnt	Mark-up amount.	Amount2decimals	M	1..1	1234.56
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:raise>
        <n1:raiseType>JKL098</n1:raiseType>
        <n1:raiseAmnt>1234.56</n1:raiseAmnt>
        <n1:empID>A10</n1:empID>
</n1:raise>
```

vat

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
vatCode	The VAT Codes used by the cash register system. The link (mapping) to the standard VAT codes must be stated in vatCodeDetails.	String20	O	0..1	31
vatPerc	VAT percentage.	Decimal8	O	0..1	25.00
vatAmnt	VAT amount.	Amount2decimals	M	1..1	250.00
vatAmntTp	Indication whether the VAT amount is debit or credit. *Choose from the following enumerated values:* *C - Credit* *D - Debit*	Debitcredittype	O	0..1	C
vatBasAmnt	Base amount for tax calculation.	Amount2decimals	O	0..1	1000.00
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
            <n1:vat>
```

```xml
                <n1:vatCode>31</n1:vatCode>
                <n1:vatPerc>25.00</n1:vatPerc>
                <n1:vatAmnt>250.00</n1:vatAmnt>
                <n1:vatAmntTp>C</n1:vatAmntTp>
                <n1:vatBasAmnt>1000.00</n1:vatBasAmnt>
        </n1:vat>
```
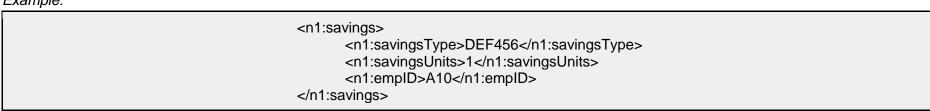
savings

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
savingsType	Refers to the type of savings system. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	DEF456
savingsUnits	Number of units.	Nonnegativeinteger10	M	1..1	1
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:savings>
        <n1:savingsType>DEF456</n1:savingsType>
        <n1:savingsUnits>1</n1:savingsUnits>
        <n1:empID>A10</n1:empID>
</n1:savings>
```

discount

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
dscTp	Reference to the type of discount. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	GHI789
dscAmnt	Discount amount.	Amount2decimals	M	1..1	1234.56
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:discount>
        <n1:dscTp>GHI789</n1:dscTp>
        <n1:dscAmnt>1234.56</n1:dscAmnt>
        <n1:empID>A10</n1:empID>
</n1:discount>
```

raise

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
raiseType	Reference to the type of mark-up. This can be used to represent tip amounts, on transaction level, if the cash register has the functionality. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	JKL098
raiseAmnt	Mark-up amount.	Amount2decimals	M	1..1	1234.56
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:raise>
        <n1:raiseType>JKL098</n1:raiseType>
        <n1:raiseAmnt>1234.56</n1:raiseAmnt>
        <n1:empID>A10</n1:empID>
</n1:raise>
```

rounding

Optional. Repetitions: 0..1

XML Element	Description	Type	Req/Rep.		Example
roundingAmnt	Rounding amount.	Amount2decimals	O	0..1	1234.56
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:rounding>
        <n1:roundingAmnt>1234.560</n1:roundingAmnt>
</n1:rounding
```

payment

Optional. Repetitions: 0..U

XML Element	Description	Type	Req/Rep.		Example
paymentType	Reference to the type of payment. Description of the code must be stated in the table 'Basics'.	IdentificationString35	M	1..1	Cash, credit card, gift card etc.

paidAmnt	Paid amount.	Amount2decimals	M	1..1	1234.56
empID	Unique employee ID.	IdentificationString35	O	0..1	A10
curCode	Three-letter currency code according to ISO 4217 standard.	Currencycode	O	0..1	NOK
exchRt	Exchange rate.	Amount6decimals	O	0..1	1.000000
paymentRefID	Transaction ID from payment terminal when integrated with the cash register system and transaction ID is stated on the sales receipt.	String999	O	0..1	1234-5432-987
accID	Unique account ID.	IdentificationString35	O	0..1	

Example:

```
<n1:payment>
        <n1:paymentType>Cash</n1:paymentType>
        <n1:paidAmnt>1234.56</n1:paidAmnt>
        <n1:empID>A10</n1:empID>
        <n1:curCode>NOK</n1:curCode>
        <n1:exchRt>1.000000</n1:exchRt>
         <n1:paymentRefID>1234-5432-987</n1:paymentRefID>
</n1:payment>
```

Commons

Common structures, simple and complex types.

Simple Types

Name	Description	Type	Example
Amount2decimals	Decimal data type. 20 digits max, of which 2 can be fractional digits.	xsd:decimal	1000.00
Amount6decimals	Decimal data type. 20 digits max, of which 6 can be fractional digits.	xsd:decimal	1000.123456
Countrycode	Two-letter country code according to ISO 3166-1 alpha 2 standard.	xsd:string	NO
Currencycode	Three-letter currency code according to ISO 4217 standard.	xsd:string	NOK
Debitcredittype	Enumerated values "C" or "D"	xsd:string	C
Decimal8	Decimal data type. 8 digits max, of which 3 can be fractional digits.	xsd:decimal	10000.123
IdentificationString35	35 character text.	xsd:string	ABCDEF123456
Nonnegativeinteger10	Numeric data type without fractional digits. 10 digits max.	xsd:nonNegativeInteger	1234567890
Nonnegativeinteger3	Numeric data type without fractional digits. 3 digits max.	xsd:nonNegativeInteger	123
String9	9 character text.	xsd:string	ABC

String20	20 character text.	xsd:string	ABC123
String50	20 character text.	xsd:string	ABC123DEF
String100	100 character text.	xsd:string	GHI456JKL789
String999	999 character text.	xsd:string	ABC123ABC123
String9999	9999 character text.	xsd:string	AB12CD34EF56
Flag	Boolean, please use true or false	xsd:boolean	true
CustSupType	Enumerated, for identification of party type. Use only Customer or Supplier.	xsd:string	Customer