

PayslipXML 2.0

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1 Common

PayslipXML 2.0 has been developed by Verkkopalkka-service operators, and all such service operators are committed to its usage.

It is currently the responsibility of the service operator whether to use PayslipXML 1.1 or PayslipXML 2.0.

1.1 XML-file

XML-file must use ISO-8859-15 character set. The first row of the PayslipXML document is always:

```
<?xml version="1.0" encoding="ISO-8859-15"?>
```

The following XML-file construction details are required:

- Avoid unnecessary indentation.
- Formatting is defined in the stylesheet; don't add line feeds or tabulators to the content of xml-element.
 - Incorrect: <Description>Matkapuhelinetu 20,00</Description>
 - Correct:
 - <Description>Matkapuhelinetu</Description>
 - <Value>20,00</Value>
- PayslipXML have to be valid against schema.

2 Payslips

Figure 2-1 describes PayslipXML components and their ordering.

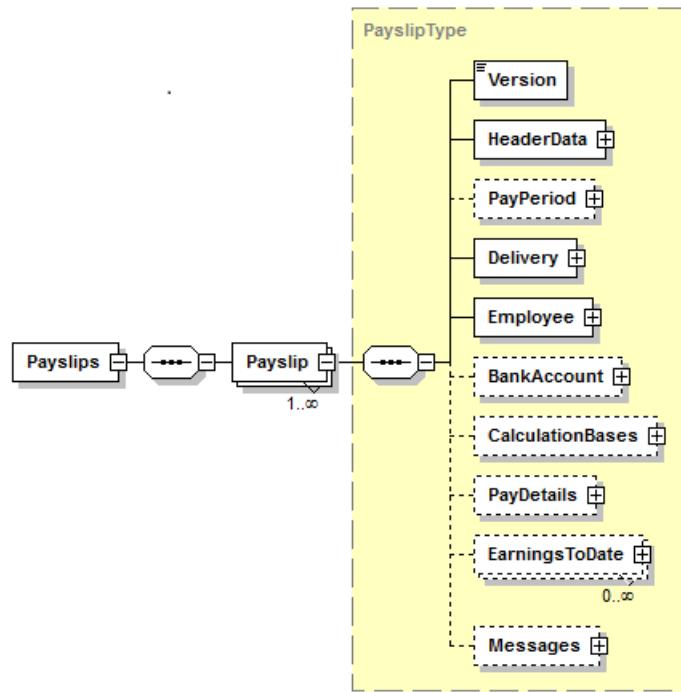


Figure 2-1

2.1 Version

The compulsory `Version`-element identifies the `PayslipXML` version, i.e.

```
<Version>2.0</Version>
```

2.2 HeaderData

Figure 2-2 describes the construction of the compulsory `HeaderData`-element.

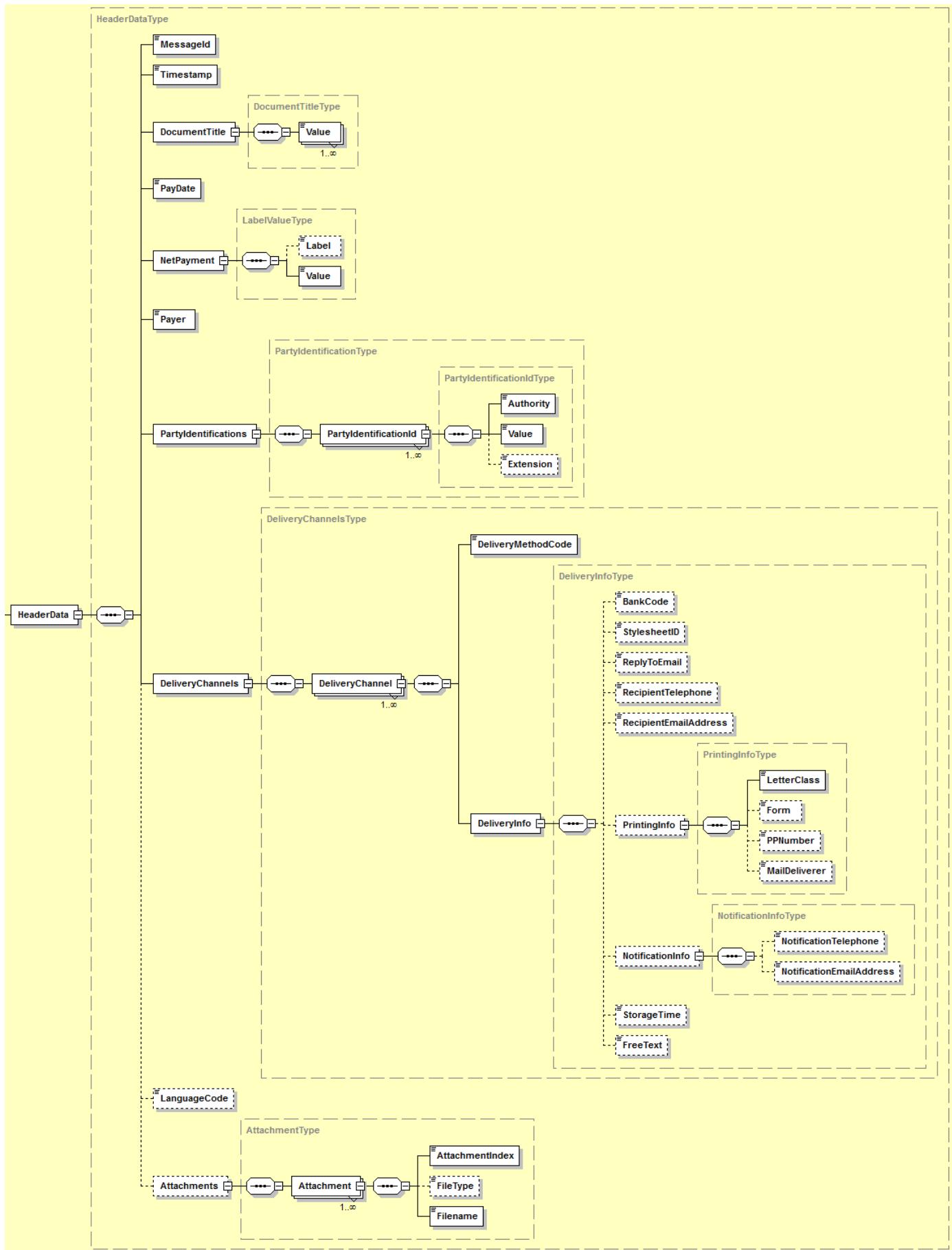


Figure 2-2

	Type	Occurs	Description										
Messageld	String	1	Compulsory unique payslip identifier. Payroll system may determine identifier construction as long as it can be differentiated from any other payroll systems' identifiers. e.g. <Messageld>7645832</Messageld>.										
TimeStamp	String	1	Compulsory date time, e.g. <Timestamp>20130302T151866</Timestamp>										
DocumentTitle/Value	String	1..n	Compulsory document title, typically 1 – 3 values are printed, e.g. <DocumentTitle> <Value>PALKKAERITTELY</Value> <Value>PALKKATODISTUS</Value> </DocumentTitle>										
PayDate	String	1	Compulsory date [YYYYMMDD], payment date, e.g. <PayDate>20130331</PayDate>										
NetPayment	Aggr.	1	Compulsory net payment information										
Label	String	0..1	Optional, net payment description, e.g <Label>Maksetaan</Label>										
Value	String	1	Compulsory net payment value, e.g <Value>3560,50</Value>										
Payer	String	1	Compulsory payer name, e.g. <Payer>IT Company Oyj</Payer>										
PartyIdentifications	Aggr	1	Compulsory payer information.										
PartyIdentificationId	Aggr	1..n	Compulsory payer information.										
Authority	String	1	Compulsory payer type, e.g. BusinessID, VAT, EDI, DUNS, GLN. <PartyIdentificationId> <Authority>Y-tunnus</Authority> <Value>1234567-8</Value> </PartyIdentificationId>										
Value	String	1	Compulsory payer identifier.										
Extension	String	0..1	Optional, i.e. payer subsidiary. <PartyIdentificationId> <Authority>EDI</Authority> <Value>003712345678</Value> <Extension>001</Extension> </PartyIdentificationId>										
DeliveryChannels	Aggr	1	Compulsory delivery channel information.										
DeliveryChannel	Aggr	1..n	Compulsory delivery channel information.										
DeliveryMethodCode	String	1	<p>Delivery code as per contract as follows:</p> <p>01 = eSalary 02 = Print 03 = NetPosti 04 = Email 05 = SMS/mobile 06 = Portal 99 = Archive</p> <p>Delivery methods that require compulsory delivery information:</p> <table border="1"> <thead> <tr> <th>DeliveryMethod-Code</th> <th>Compulsory DeliveryInfo-elements with example values</th> </tr> </thead> <tbody> <tr> <td>01</td> <td><BankCode>133030</BankCode></td></tr> <tr> <td>02</td> <td><PrintingInfo> <LetterClass>1</LetterClass> </PrintingInfo></td></tr> <tr> <td>04</td> <td><ReplyToEmail>palkkatoimisto@firma.fi</ReplyToEmail> <RecipientEmailAddress>palkansaaja@firma.fi</RecipientEmailAddress></td></tr> <tr> <td>05</td> <td><RecipientTelephone>040 123 4567</RecipientTelephone></td></tr> </tbody> </table>	DeliveryMethod-Code	Compulsory DeliveryInfo-elements with example values	01	<BankCode>133030</BankCode>	02	<PrintingInfo> <LetterClass>1</LetterClass> </PrintingInfo>	04	<ReplyToEmail>palkkatoimisto@firma.fi</ReplyToEmail> <RecipientEmailAddress>palkansaaja@firma.fi</RecipientEmailAddress>	05	<RecipientTelephone>040 123 4567</RecipientTelephone>
DeliveryMethod-Code	Compulsory DeliveryInfo-elements with example values												
01	<BankCode>133030</BankCode>												
02	<PrintingInfo> <LetterClass>1</LetterClass> </PrintingInfo>												
04	<ReplyToEmail>palkkatoimisto@firma.fi</ReplyToEmail> <RecipientEmailAddress>palkansaaja@firma.fi</RecipientEmailAddress>												
05	<RecipientTelephone>040 123 4567</RecipientTelephone>												
DeliveryInfo	Aggr	1	Compulsory delivery location data consisting of at least one of the sub elements.										
BankCode	String	0..1	Optional, compulsory if delivery method code is 01. Unique bank identifier, i.e. characters 5-10 from the IBAN account number. E.g. <BankCode>133030</BankCode>										
StylesheetID	String, maxLength	0..1	Optional, stylesheet identifier, e.g. <StylesheetID>PayslipCommon20</StylesheetID>										

	40		
ReplyToEmail	String	0..1	Optional, compulsory if delivery method code is 04. Payroll office email, e.g. <code><ReplyToEmail>palkkatoimisto@firma.fi</ReplyToEmail></code>
RecipientTelephone	String	0..1	Optional, compulsory if delivery method code is 05. Recipient mobile number, e.g. <code><RecipientTelephone>040 123 4567</RecipientTelephone></code>
RecipientEmailAddress	String	0..1	Optional, compulsory if delivery method code is 04. Recipient email address, e.g. <code><RecipientEmailAddress>palkansaaja@firma.fi</RecipientEmailAddress></code>
PritingInfo	Aggr	0..1	Optional, compulsory if delivery method code is 02.
LetterClass	String	0..1	LetterClass => Compulsory if delivery method code is 02. Values: 1 = Priority 2 = Economy E.g. <code><LetterClass>1</LetterClass></code>
Form	String	0..1	Form id => Optional, e.g. <code><Form>Blanco</Form></code>
PPNumber	String	0..1	PPNumber => Optional, Post customer identifier, e.g. <code><PPNumber>123456</PPNumber></code>
MailDeliverer	String	0..1	MailDeliverer => Optional
NotificationInfo	Aggr	0..1	Optional, may be used e.g. for informing payee about delivered payslip
NotificationTelephone	String	0..1	Optional, telephone number where notifications are sent, e.g. <code><NotificationTelephone>+358405764399</NotificationTelephone></code>
NotificationEmailAddress	String	0..1	Optional, email address, where notifications are sent, e.g. <code><NotificationEmailAddress>palkansaaja@firma.fi</NotificationEmailAddress></code>
StorageTime	String	0..1	Optional, storage duration [YYYYMMDD] for electronic payment, as per (special) contract, e.g. <code><StorageTime>20501231</StorageTime></code>
FreeText	String	0..1	Optional element for free use. e.g. <code><FreeText>Palkkalaskelmasi on katsottavissa verkkopalakkapalvelussa.</FreeText></code>
LanguageCode	String	0..1	Optional, in accordance with ISO-639-1 standard, i.e. "fi/sv/en". Defines language for all textual values. If element doesn't exist, default value "fi" is used in layouts. <code><LanguageCode>fi</LanguageCode></code>
Attachments	Aggr	0..1	Optional element which defines, if attachments are added to payslip.
Attachment	Aggr	1..n	Compulsory if Attachments element is used. Attachment files and PayslipXML file must be packaged to one zip-file, see figure 2-3.
AttachmentIndex	Int	1	Compulsory if Attachments element is used. Index identifier, unique per payslip and defines printing order. Consecutive numbering must be used.
FileType	String	0..1	Optional, document file type, may not be executable, e.g pdf.
FileName	String	1	Compulsory if Attachments element is used. Filename including file extension.

Tiedosto Muokkaa Näytä Suosikit Työkalut Ohje																
Lisää	Purkaa	Tarkista eheys	Kopioi	Siirrä	Poista	Ominaisuudet										
Nimi	Koko	Pakattu koko	Muokattu	L...	K...	V...	S...	K...	CRC	Mene...	Is...	V...	K...	T		
PayslipXML.xml	12 957	2 662	2013-06-05 14:07		A	-			BBA01E87	Deflate	FAT	20				
Attachment1.pdf	24 551	20 106	2012-10-03 10:15		A	-			DF056431	Deflate	FAT	20				
Attachment2.pdf	353 539	282 403	2013-06-03 12:49		A	-			6194906B	Deflate	FAT	20				

```

<Attachments>
  <Attachment>
    <AttachmentIndex>1</AttachmentIndex>
    <FileType>pdf</FileType>
    <Filename>Attachment1.pdf</Filename>
  </Attachment>
  <Attachment>
    <AttachmentIndex>2</AttachmentIndex>
    <FileType>pdf</FileType>
    <Filename>Attachment2.pdf</Filename>
  </Attachment>
</Attachments>

```

Figure 2-3

3 PayPeriod

Figure 3-1 describes the PayPeriod-element.

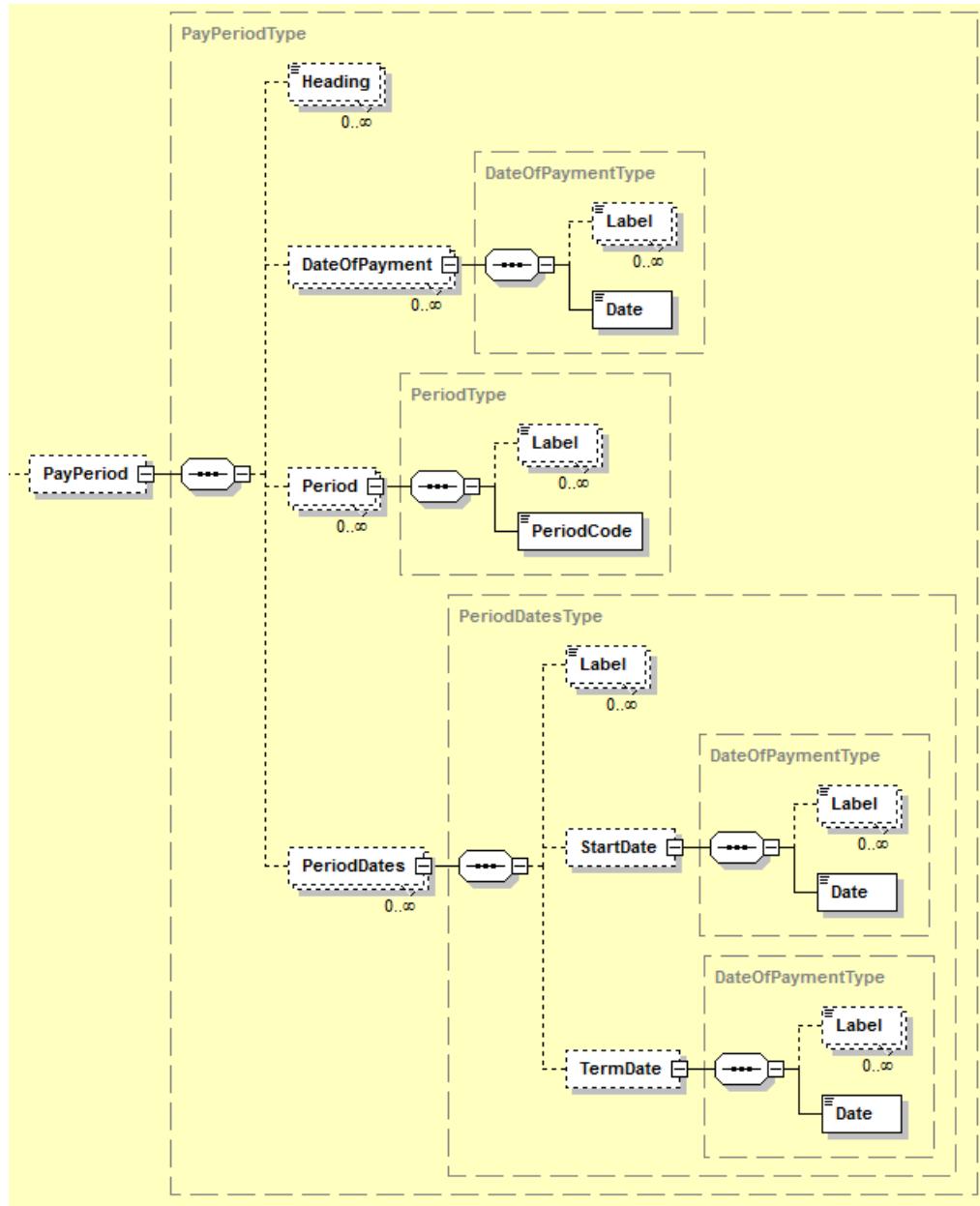


Figure 3-1

	Type	Occurs	Description
Heading	String	0..n	Optional, pay period description, e.g. <Heading>Palkkakausi</Heading>
DateOfPayment	Aggr	0..n	Optional, payment date element
Label	String	0..n	Optional, date of payment description, e.g. <Label>Maksupäivä</Label>
Date	String	0..1	Compulsory if DateOfPayment element is used, date of payment, e.g. <Date>15.03.2013</Date>
Period	Aggr	0..1	Optional, pay period element.
Label	String	0..n	Optional, period description, e.g. <Label>Maksukausi</Label>
PeriodCode	String	0..1	Compulsory if Period element is used, e.g. <PeriodCode>2013-03</PeriodCode>.
PeriodDates	Aggr	0..n	Optional, period dates element.
Label	String	0..n	Optional, period date description, e.g. <Label>Ajalta</Label>
StartDate	Aggr	0..1	Optional start date element
Label	String	0..n	Optional, start date description, e.g. <Label>Alkupäivä</Label>
Date	String	0..1	Compulsory if StartDate element is used, start date of pay period, e.g. <Date>01.03.2013</Date>
TermDate	Aggr	0..1	Optional, term date element
Label	String	0..n	Optional, end date description, e.g. <Label>Loppupäivä</Label>
Date	String	0..1	Compulsory if TermDate element is used, term date of pay period, e.g. <Date>31.03.2013</Date>

4 Delivery

Figure 4-1 describes the compulsory Delivery-element.

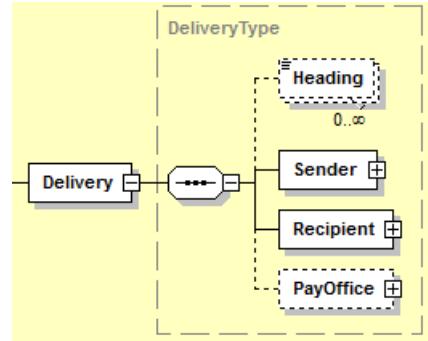


Figure 4-1

Figure 4-2 describes the compulsory Sender-element of the Delivery-element.

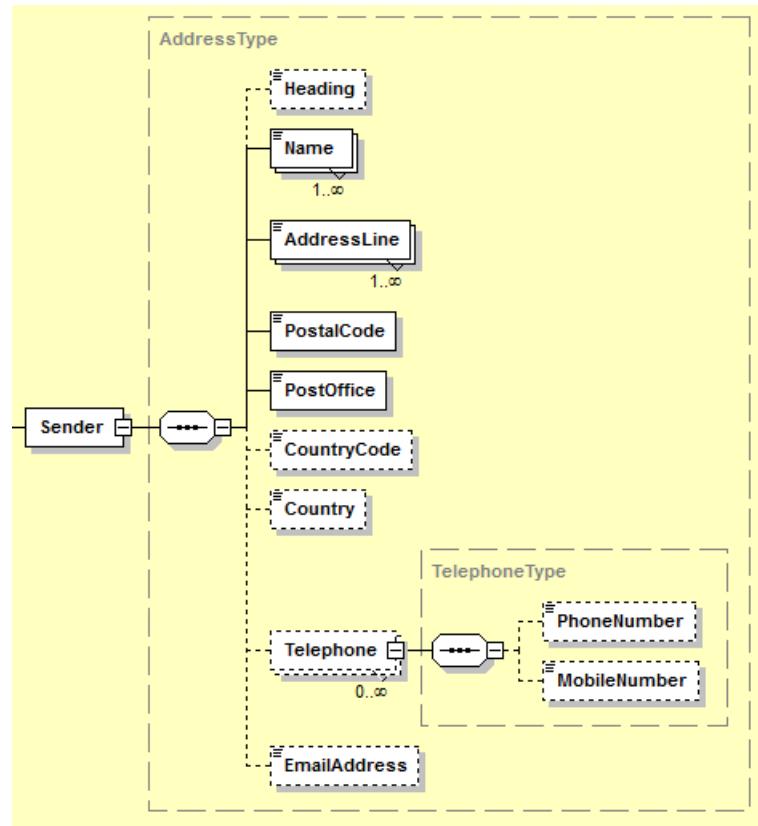


Figure 4-2

Figure 4-3 describes the compulsory Recipient-element of the Delivery-element.

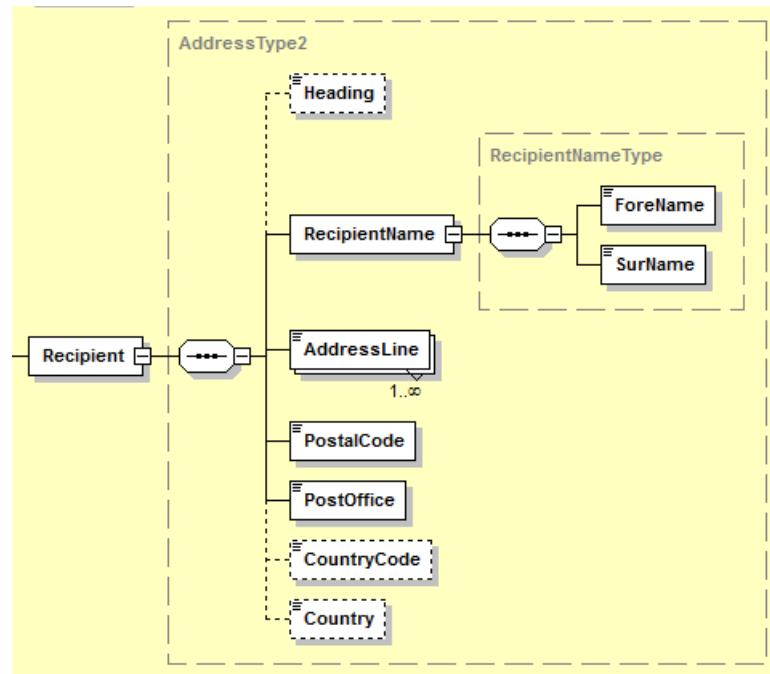


Figure 4-3

Figure 4-4 describes the PayOffice-element of the Delivery-element.

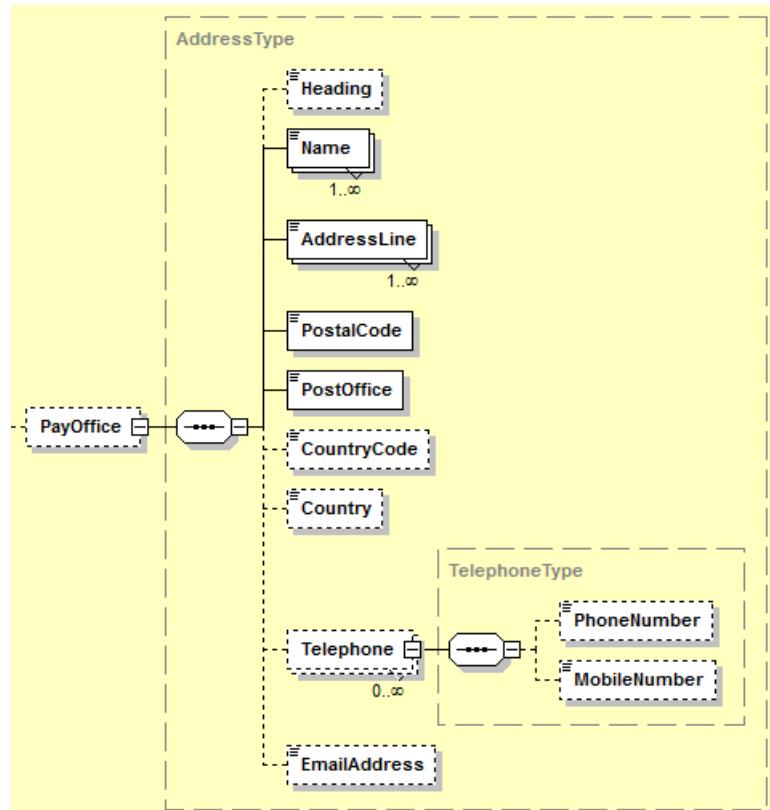


Figure 4-4

	Type	Occurs	Description
Heading	String	0..n	Optional, delivery data description, e.g. <Heading>Osoitetiedot</Heading>
Sender	Aggr	1	Compulsory sender information which typically are printed to the payslip.
Heading	String	0..1	Optional, sender description, e.g. <Heading>Lähettäjä</Heading>
Name	String	1..n	Compulsory sender name, e.g. <Name>IT Company Oy</Name>
AddressLine	String	1..n	Compulsory street address of the sender, e.g. <AddressLine>Testitie 123</AddressLine>
PostalCode	String	1	Compulsory postal code of the sender, e.g. <PostalCode>012360</PostalCode>
PostOffice	String	1	Compulsory municipality of the sender, e.g. <PostOffice>TESTLÄ</PostOffice>
CountryCode	String	0..1	Optional country code according to the ISO-3166-1 standard, e.g. <CountryCode>FI</CountryCode>
Country	String	0..1	Optional country of the sender, e.g. <Country>Suomi-Finland</Country>
Telephone	Aggr	0..n	Optional sender telephone number element.
PhoneNumber	String	0..1	Optional telephone number of the sender, e.g. <PhoneNumber>010 123 456</PhoneNumber>
MobileNumber	String	0..1	Optional mobile number of the sender, e.g. <MobileNumber>+358 40 123 4567</MobileNumber>
EmailAddress	String	0..1	Optional email address of the sender, e.g. <EmailAddress>tyonantaja@firma.fi</EmailAddress>
Recipient	Aggr	1	Compulsory recipient information which typically are printed to the payslip.
Heading	String	0..1	Optional, sender description, e.g. <Heading>Vastaanottaja</Heading>
RecipientName	Aggr	1	Compulsory recipient name element.
ForeName	String	1	Compulsory first name(s) of the recipient, e.g. <ForeName>Teppo</ForeName>
SurName	String	1	Compulsory surname of the recipient, e.g. <SurName>Tanner</SurName>
AddressLine	String	1..n	Compulsory street address of the recipient, e.g. <AddressLine>Numminmäki 5 A</AddressLine>
PostalCode	String	1	Compulsory postal code of the recipient, e.g. <PostalCode>00550</PostalCode>
PostOffice	String	1	Compulsory municipality of the recipient, e.g. <PostOffice>Helsinki</PostOffice>
CountryCode	String	0..1	Optional country code according to the ISO-3166-1 standard, e.g. <CountryCode>FI</CountryCode>. Must be used if delivery code is 02 and country is other than Finland.
Country	String	0..1	Optional country of the recipient, e.g. <Country>Suomi-Finland</Country>
PayOffice	Aggr	0..1	Optional PayOffice element.
Heading	String	0..1	Optional, payment office description, e.g. <Heading>Palkkatoimisto</Heading>
Name	String	1..n	Compulsory if PayOffice element is used. Name of the pay office, e.g. <Name>Tilitoimisto Makkonen Oy</Name>
AddressLine	String	1..n	Compulsory if PayOffice element is used. Street address of the pay office, e.g. <AddressLine>Makkosentie 123</AddressLine>
PostalCode	String	1	Compulsory if PayOffice element is used. Postal code of the pay office, e.g. <PostalCode>012360</PostalCode>
PostOffice	String	1	Compulsory if PayOffice element is used. Municipality of the pay office, e.g. <PostOffice>TESTLÄ</PostOffice>
CountryCode	String	0..1	Optional country code according to the ISO-3166-1 standard, e.g. <CountryCode>FI</CountryCode>
Country	String	0..1	Optional country of the pay office, e.g. <Country>Suomi-Finland</Country>
Telephone	Aggr	0..n	Optional pay office telephone number element.
PhoneNumber	String	0..1	Optional telephone number of the pay office, e.g. <PhoneNumber>09 123 456</PhoneNumber>
MobileNumber	String	0..1	Optional mobile number of the pay office, e.g. <MobileNumber>+358 40 123 456</MobileNumber>
EmailAddress	String	0..1	Optional email address of the pay office, e.g. <EmailAddress>palkanlaskija.makkonen@tilitoimisto.fi</EmailAddress>

5 Employee

Figure 5-1 describes the Employee-element

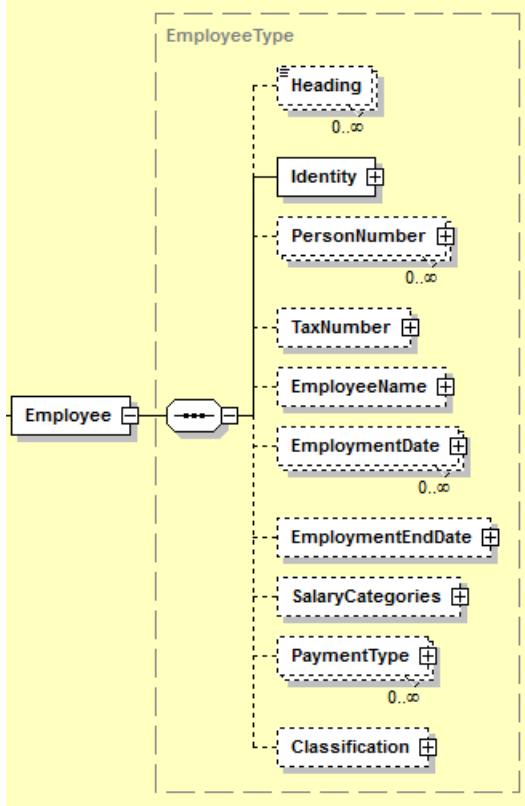


Figure 5-1

Figure 5-2 describes Identity-element of Employee-element.

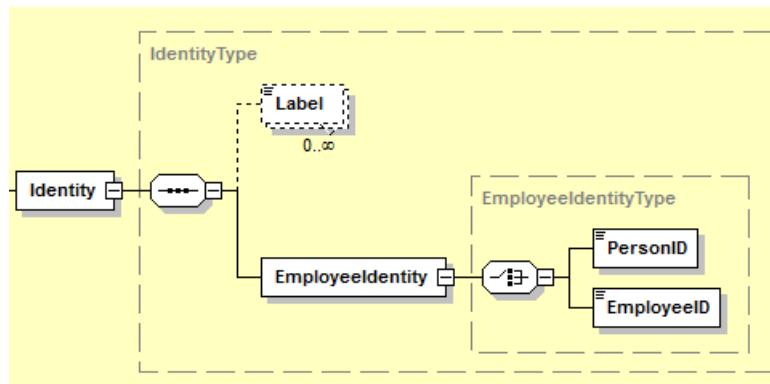


Figure 5-2

Figure 5-3 describes optional elements of Employee-element.

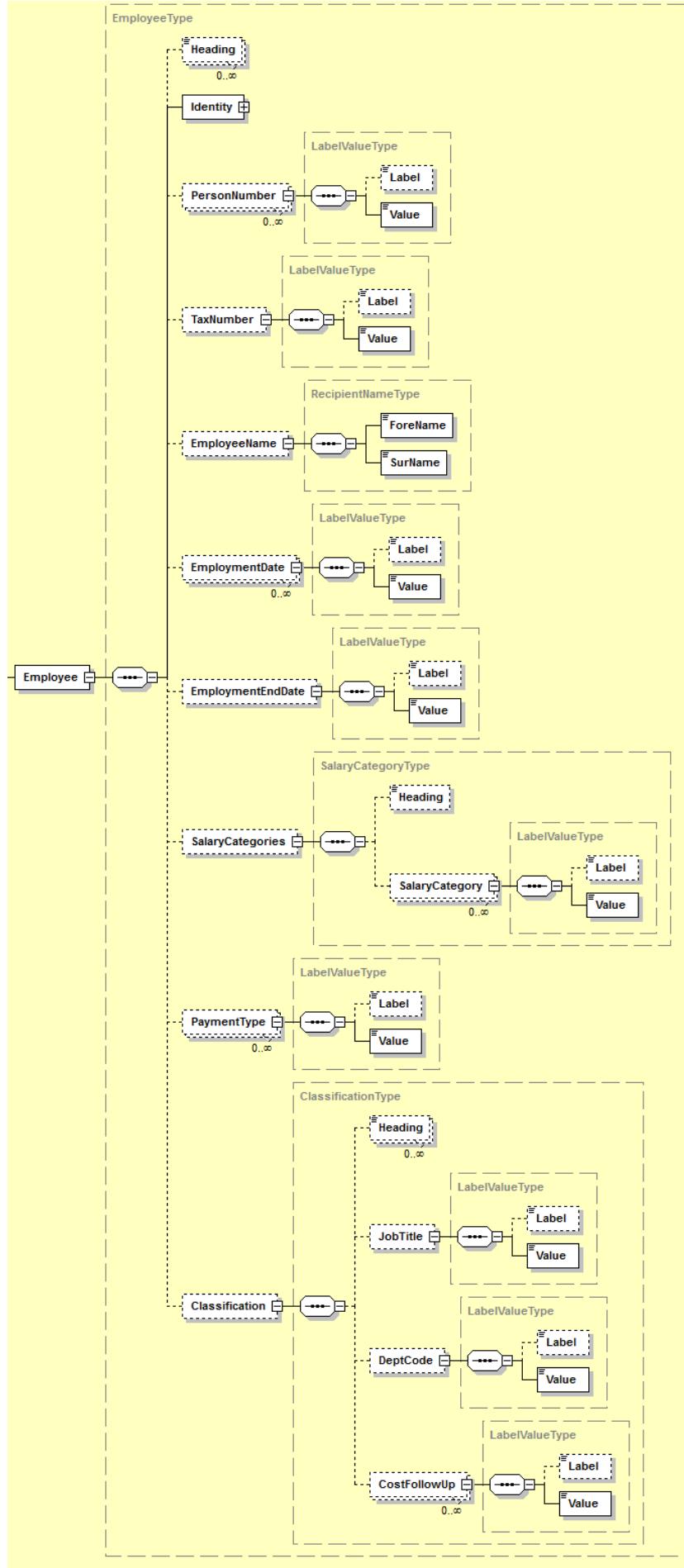


Figure 5-3

	Type	Occurs	Description
Heading	String	0..n	Optional, employee header description, e.g. <Heading>Palkansaajan työsuhdetietoja</Heading>
Identity	Aggr	1	Compulsory element for identifying payee.
Label	String	0..n	Optional, employee identity description, e.g. <Label>Henkilön tunniste</Label>
EmployeeIdentity	Aggr	1	Compulsory element for payee identification.
PersonId	String	1	Compulsory when delivery method is dependent on PersonID, e.g. DeliveryMethodCode 01. Finnish social security number. <EmployeeIdentity> <PersonID>000000-0000</PersonID> </EmployeeIdentity>
EmployeeId	String	1	Employee national identification number, to be used when Finnish Social Security Number does not exist, i.e. Swedish SSN, Finnish BusinessID. <EmployeeIdentity> <EmployeeID>1234567-8</EmployeeID> </EmployeeIdentity>
PersonNumber	Aggr	0..n	Optional element for person number, e.g. tax number.
Label	String	0..1	Optional, employee's company identification number description, e.g. <Label>Henkilönumero</Label>
Value	String	1	Compulsory when PersonNumber element is used. Employee's company identification number, e.g. <Value>450</Value>
TaxNumber	Aggr.	0..1	Optional element for employee tax number.
Label	String	0..1	Optional, employee's tax number description, e.g. <Label>Veronumero</Label>
Value	String	1	Compulsory if TaxNumber element is used. Employee's tax number value, e.g. <Value>123456789012</Value>
EmployeeName	Aggr	0..1	Optional element for employee/payee name. Can be used e.g if recipient of payslip is different than payee.
ForeName	String	1	Compulsory if EmployeeName element is used. Employee's first name(s), e.g. <ForeName>Tiina Maria</ForeName>
SurName	String	1	Compulsory if EmployeeName element is used. Employee's surname, e.g. <SurName>Tanner</SurName>
EmploymentDate	Aggr	0..n	Optional date of employment.
Label	String	0..1	Optional, date of employment description, e.g. <Label>Työsuhteen alkamispäivä</Label>
Value	String	1	Compulsory if EmploymentDate element is used. Date of employment, e.g. <Value>11.04.1996</Value>
EmploymentEndDate	Aggr.	0..1	Optional ending date of employment.
Label	String	0..1	Optional, ending date of employment description, e.g. <Label>Työsuhteen loppumispäivä</Label>
Value	String	1	Compulsory if EmploymentEndDate element is used. Ending date of employment, e.g. <Value>11.04.2013</Value>
SalaryCategories	Aggr.	0..1	Optional element for category information of salary.
Heading	String	0..1	Optional, salary category header description, e.g. <Heading>Palkkausperusteet</Heading>
SalaryCategory	Aggr	0..n	Optional element for category information of salary.
Label	String	0..1	Optional, employee salary category description, e.g. "palkkaluokka", "kuukausipalkka", "palkkaryhmä/vaativuustaso". <Label>KK-palkka</Label>
Value	String	1	Compulsory if SalaryCategory element is used. Employee salary category value, e.g. <Value>5000,00</Value>
PaymentType	Aggr.	0..n	Optional element for describing payment type.
Label	String	0..n	Optional, payment type description <Label>Palkkaustapa</Label>
Value	String	1	Compulsory if PaymentType element is used. Payment type value, e.g. <Value>Määräaikainen työsuhde</Value>
Classification	Aggr	0..1	Optional element for classification information of the job.
Heading	String	0..n	Optional, employee classification header description, e.g. <Heading>Tehtävä</Heading>
JobTitle	Aggr	0..1	Optional job title element.
Label	String	0..1	Optional, e.g. <Label>Tehtävänimike</Label>, <Label>Ammattinimike</Label>

Value	String	1	Compulsory if JobTitle element is used. Employee job title, e.g. <Value>Kahvila työntekijä</Value>
DeptCode	Aggr	0..1	Optional element for department code.
Label	String	0..1	Optional, department code description, e.g. <Label>Osasto</Label>
Value	String	1	Compulsory if DeptCode element is used. Department code, e.g. <Value>Puisto-osasto</Value>
CostFollowUp	Aggr	0..n	Optional element for cost center information.
Label	String	0..1	Optional, cost center description, e.g. <Label>Kustannuspaikka</Label>
Value	String	1	Compulsory if CostFollowUp element is used. Cost center, e.g. <Value>44641122</Value>

6 BankAccount

Figure 6-1 describes the BankAccount-element.

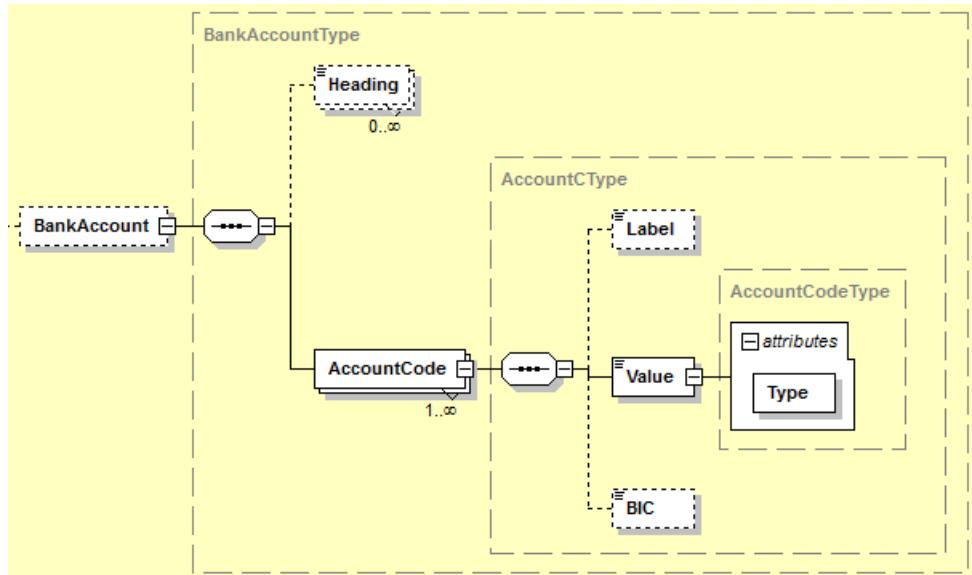


Figure 6-1

	Type	Occurs	Description
Heading	String	0..n	Optional, bank account description, e.g. <code><Heading>Pankkitili</Heading></code>
AccountCode	Aggr	1..n	Compulsory account code information if BankAccount element is used.
Label	String	0..1	Optional, account code description, e.g. <code><Label>Tilinumero</Label></code>
Value	String	1	Compulsory if AccountCode element is used. IBAN account code without spaces, e.g. <code><Value Type="IBAN">FI1234567890123456</Value></code> or BBAN account code, e.g. <code><Value Type="BBAN">310100-01036748</Value></code>
@Type	String	1	Attribute of value-element. Allowed values: IBAN or BBAN, e.g. <code><Value Type="IBAN">FI1234567890123456</Value></code> or <code><Value Type="BBAN">310100-01036748</Value></code>
BIC	String	0..1	Optional bank identifier code in accordance with ISO-9362:2009 standard, e.g. <code><BIC>OKOYFIHH</BIC></code>

7 CalculationBases

Figure 7-1 describes the CalculationBases-element.

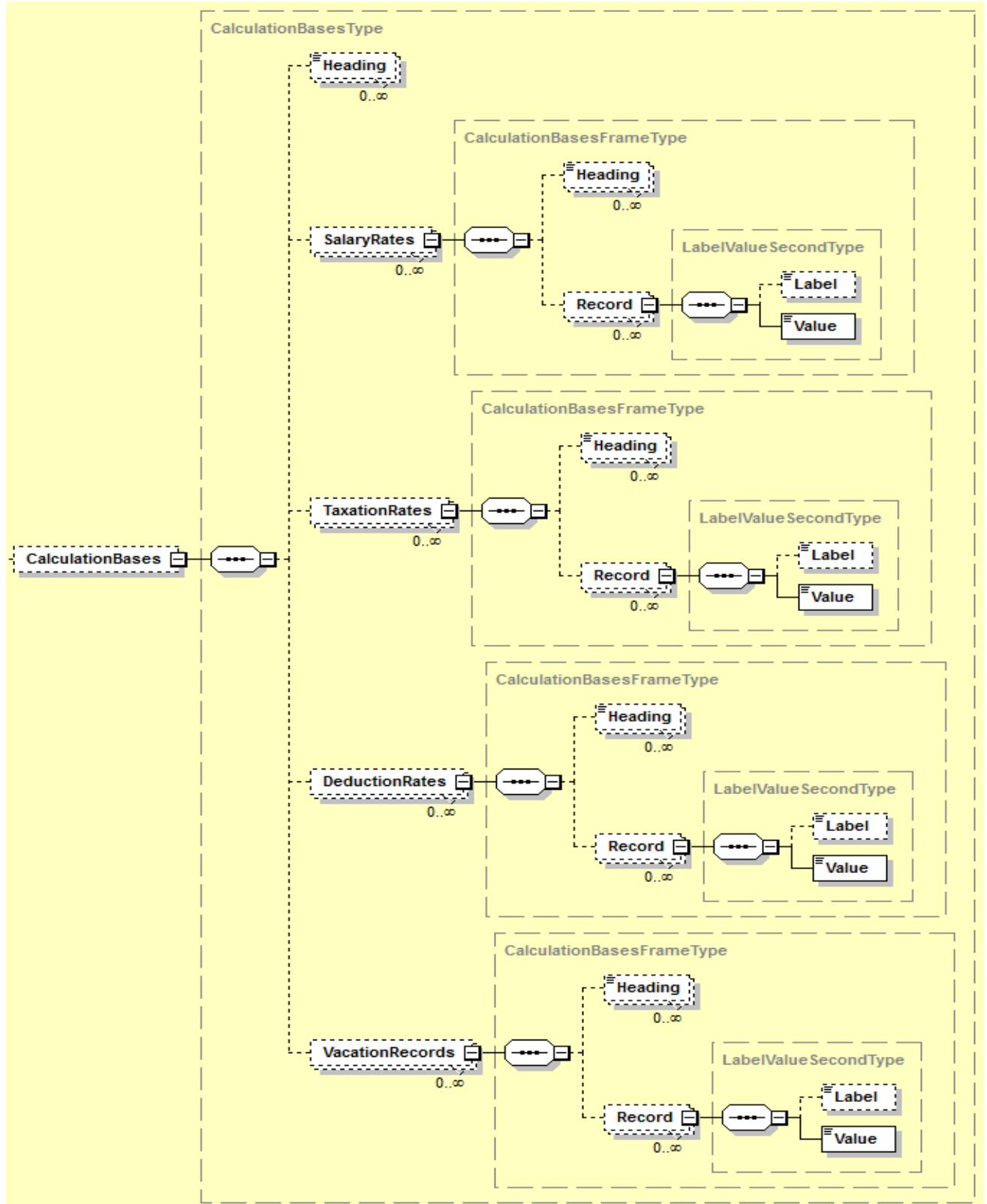


Figure 7-1

	Type	Occurs	Description
Heading	String	0..n	Optional, basic payment information description, e.g. <code><Heading>Palkanlaskennan perustiedot</Heading></code>
SalaryRates	Aggr	0..n	Optional element for payment information.
Heading	String	0..n	Optional, payment rate description, e.g. <code><Heading>Peruste</Heading></code>
Record	Aggr	0..n	Optional element for payment basis.
Label	String	0..1	Optional, payment rate type description, e.g. <code><Label>Kuukausipalkka</Label></code>
Value	String	1	Compulsory if SalaryRates element is used. Payment rate amount, e.g. <code><Value>978,96</Value></code>
TaxationRates	Aggr	0..n	Optional element for taxation information.
Heading	String	0..n	Optional, taxation rate description, e.g. <code><Heading>Verotustiedot</Heading></code>
Record	Aggr	0..n	Optional element for taxation basis.
Label	String	0..1	Optional, taxation rate description, e.g. <code><Label>Perusprosentti</Label></code>
Value	String	1	Compulsory if TaxationRates element is used. Taxation rate amount, e.g. <code><Value>18,0</Value></code>
DeductionRates	Aggr	0..n	Optional element for deduction information.
Heading	String	0..n	Optional, deduction rate description, e.g. <code><Heading>Vähennykset</Heading></code>
Record	Aggr	0..n	Optional element for deduction basis.
Label	String	0..1	Optional, deduction rate description, e.g. <code><Label>Ay-maksu</Label></code>
Value	String	1	Compulsory if DeductionRates element is used. Deduction rate amount, e.g. <code><Value>13,02</Value></code>
VacationRecords	Aggr	0..n	Optional element for vacation information.
Heading	String	0..n	Optional, vacation description, e.g. <code><Heading>Lomaperuste</Heading></code>
Record	Aggr	0..n	Optional element for vacation basis.
Label	String	0..1	Optional, vacation description, e.g. <code><Label>Lomapäivät</Label>, <Label>Lomapäivän á-hinta</Label></code>
Value	String	1	Compulsory if VacationRecords element is used. Vacation days/amount, e.g. <code><Value>15863,70</Value></code>

8 PayDetails

Figure 8-1 describes the PayDetails-element.

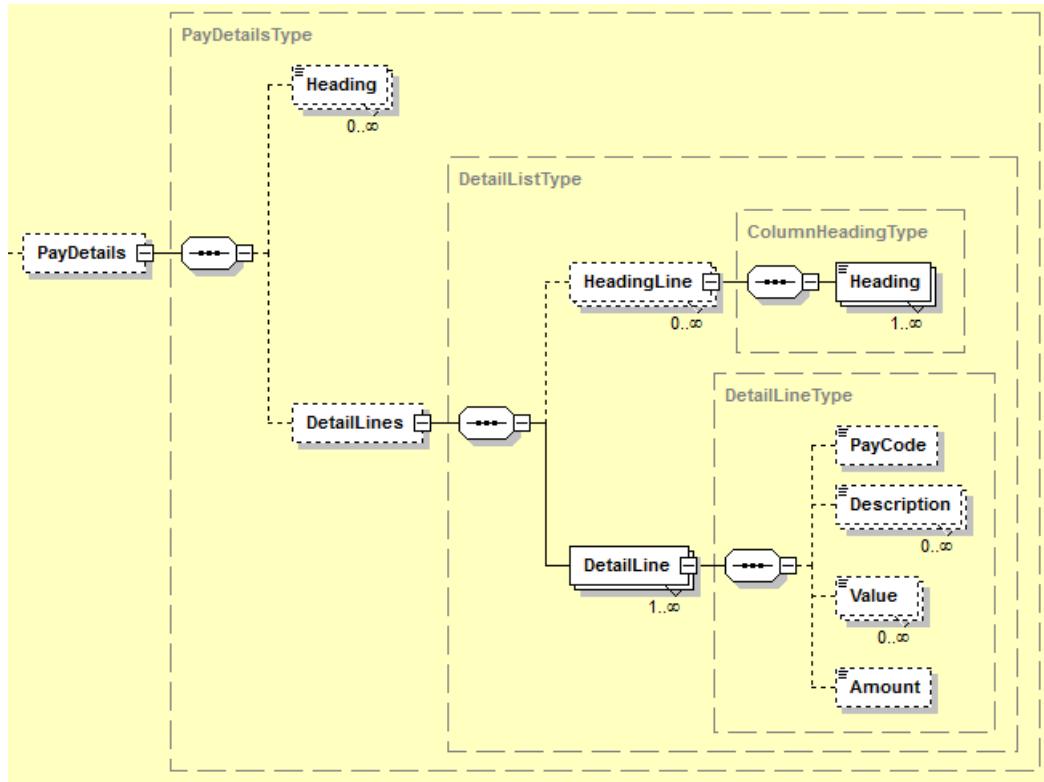


Figure 8-1

	Type	Occurs	Description
Heading	String	0..n	Optional, Specific pay details description, e.g. <Heading>Erittely</Heading>
DetailLines	Aggr	0..1	Optional element for detail lines.
HeadingLine	Aggr	0..n	Optional element for detail headings.
Heading	String	1..n	Compulsory if DetailLines element is used. Header field for pay details, e.g. <Heading>Selite</Heading> <Heading>Tunnit/Päivät</Heading> <Heading>Määrä</Heading> <Heading>Å-hinta</Heading>
DetailLine	Aggr	1..n	Compulsory if DetailLines element is used. Detail line for pay details. Must include as many sub elements (PayCode/Description/Value/Amount) as there are detail headings, i.e. if detail structure includes five headings, there must be five DetailLine sub elements no matter if the sub element has a value or not.
PayCode	String	0..1	Optional pay code, e.g. <PayCode>001</PayCode>
Description	String	0..n	Optional, pay detail description (may also be header/sub header, in which case other details may be left empty), e.g. pay code name, "poissaolot". <Description>Kuukausipalkka</Description> <Description>Poissaolot</Description>
Value	String	0..n	Optional, i.e. number, date, text, etc. <Value>5000,00</Value>
Amount	String	0..1	Optional, pay detail monetary sum, e.g. <Amount>13,02</Amount>

9 EarningsToDate

Figure 9-1 describes the EarningsToDate-element.

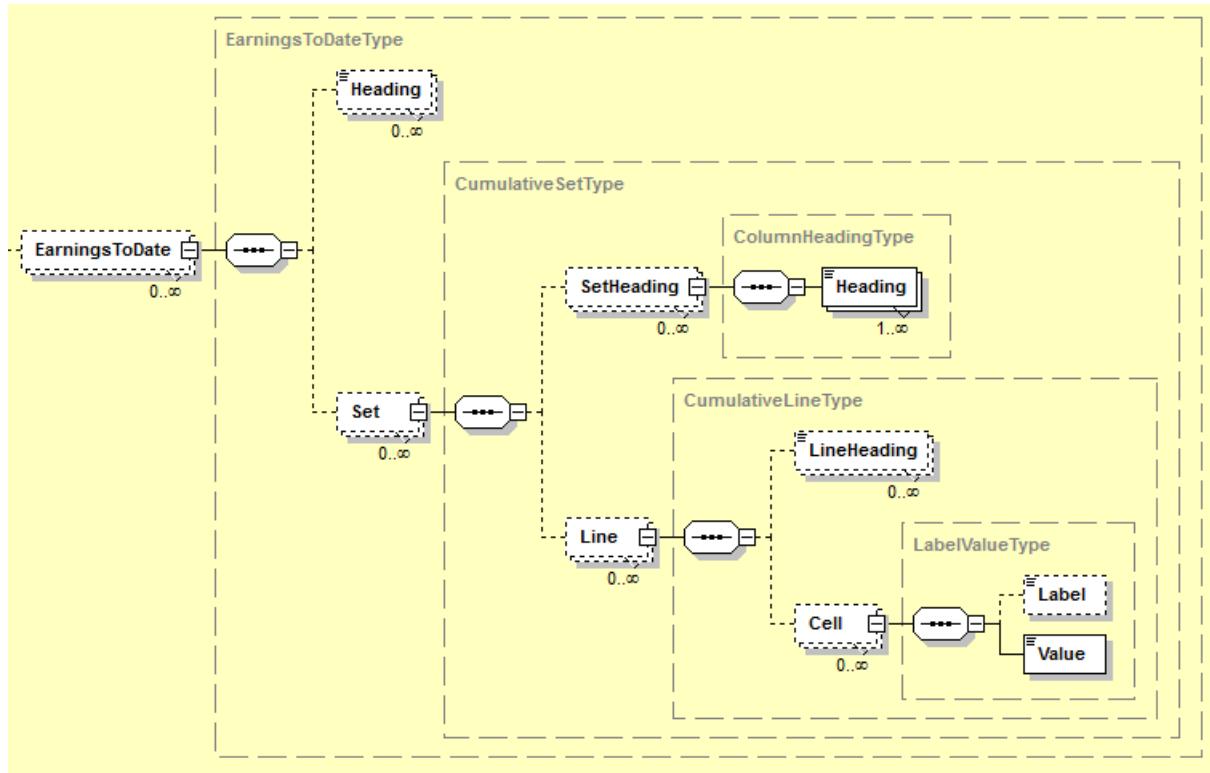


Figure 9-1

	Type	Occurs	Description
Heading	String	0..n	Optional. Earnings to date section description, e.g. <code><Heading>Palkkatodistusosa</Heading></code>
Set	Aggr	0..n	Optional element for line or column of the sum table.
SetHeading	Aggr	0..n	Optional element for heading of the line or column.
Heading	String	1..n	Compulsory if SetHeading element is used. Earnings to date row headings, e.g. <code><Heading>Edellisen vuoden tiedot</Heading></code> <code><Heading>Kauden tiedot</Heading></code> <code><Heading>Vuoden alusta</Heading></code>
Line	Aggr	0..n	Optional element for line or column of the sum table.
LineHeading	String	0..n	Optional, earnings to date column heading, e.g. <code><LineHeading>Rahapalkka</LineHeading></code> <code><LineHeading>Luontoisetu</LineHeading></code> <code><LineHeading>Veronalainen ansio</LineHeading></code> <code><LineHeading>Kauden tiedot</LineHeading></code> <code><LineHeading>Tiedot vuoden alusta</LineHeading></code> <code><LineHeading>Edellinen vuosi</LineHeading></code>
Cell	Aggr	0..n	Optional element for the cell of the sum table.
Label	String	0..1	Optional, earnings to date cell description, e.g. <code><Label>Rahapalkka</Label></code> <code><Label>Vähennykset</Label></code>
Value	String	1	Compulsory if Cell elementi is used. Earnings to date cell value, e.g. <code><Value>-386,89</Value></code>

The EarningsToDate-element describes the following table structure:

EarningsToDate/Heading

	<i>EarningsToDate/Set/SetHeading/Heading[1]</i>	<i>EarningsToDate/Set/SetHeading/Heading[2]</i>
<i>EarningsToDate/Set/Line[1]/LineHeading</i>	<i>EarningsToDate/Set/Line[1]/Cell[1]/Label</i> <i>EarningsToDate/Set/Line[1]/Cell[1]/Value</i>	<i>EarningsToDate/Set/Line[1]/Cell[2]/Label</i> <i>EarningsToDate/Set/Line[1]/Cell[2]/Value</i>
<i>EarningsToDate/Set/Line[2]/LineHeading</i>	<i>EarningsToDate/Set/Line[2]/Cell[1]/Label</i> <i>EarningsToDate/Set/Line[2]/Cell[1]/Value</i>	<i>EarningsToDate/Set/Line[2]/Cell[2]/Label</i> <i>EarningsToDate/Set/Line[2]/Cell[2]/Value</i>
<i>EarningsToDate/Set/Line[3]/LineHeading</i>	<i>EarningsToDate/Set/Line[3]/Cell[1]/Label</i> <i>EarningsToDate/Set/Line[3]/Cell[1]/Value</i>	<i>EarningsToDate/Set/Line[3]/Cell[2]/Label</i> <i>EarningsToDate/Set/Line[3]/Cell[2]/Value</i>
<i>EarningsToDate/Set/Line[4]/LineHeading</i>	<i>EarningsToDate/Set/Line[4]/Cell[1]/Label</i> <i>EarningsToDate/Set/Line[4]/Cell[1]/Value</i>	<i>EarningsToDate/Set/Line[4]/Cell[2]/Label</i> <i>EarningsToDate/Set/Line[4]/Cell[2]/Value</i>

10 Messages

Figure 9-1 Figure 10-1 describes the Messages-element.

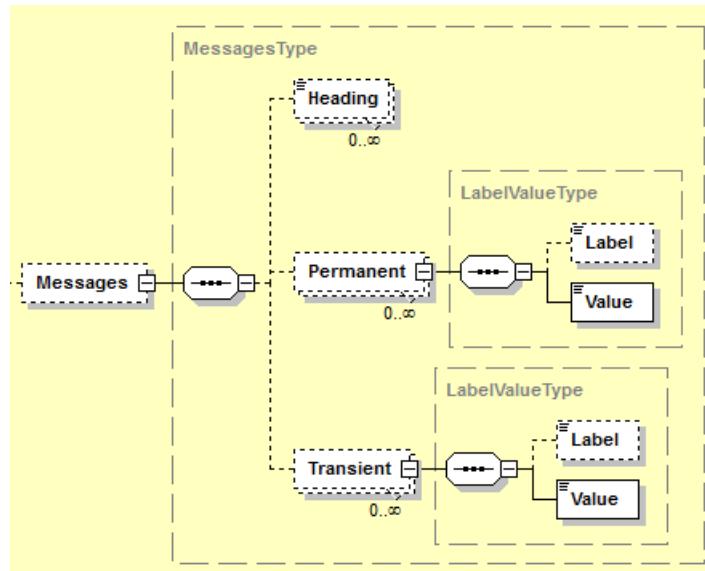


Figure 10-1

	Type	Occurs	Description
Heading	String	0..n	Optional heading element for messages section, e.g. <code><Heading>Viestit</Heading></code>
Permanent	Aggr	0..n	Optional element for permanent messages.
Label	String	0..1	Optional description of permanent messages, e.g. <code><Label>Ennakonpidätykseen sisältyy päivärahamaaksua</Label></code>
Value	String	1	Compulsory if Permanent element is used, e.g. <code><Value>-42,07</Value></code> <code><Value>“Säilytä palkkalaskelmaasi verotuksen tarkistamista varten”</Value></code>
Transient	Aggr	0..n	Optional element for transient messages.
Label	String	0..1	Optional description of transient messages, e.g. <code><Label>Viesti palkkatoimistosta</Label></code>
Value	String	1	Compulsory if Transient element is used, e.g. <code><Value>Toimita verokorttisi palkkatoimistoon</Value>-</code>

11 Standard Business Document Header

Standard Business Document Header, SBDH provides information about the routing and processing of the PayslipXML document. SBDH element is optional.

These instructions are based on technical specification of UN/CEFACT Standard Business Document Header, version 1.3.

Standard Business Document Header –element must be included inside the root element of the message together with the PayslipXML documents.

SBDH XML Schema files can be found from: <http://www.gs1.org/docs/gsmp/xml/sbdh/SBDH20040506-02.zip>. This package should be used when validating SBDH.

Example:

```
<?xml version="1.0" encoding="ISO-8859-15"?>
<sh:StandardBusinessDocument xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
                               xmlns="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                               xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader
StandardBusinessDocumentHeader.xsd">
    <sh:StandardBusinessDocumentHeader>
        <sh:HeaderVersion>1.0</sh:HeaderVersion>
        <sh:Sender>
            <sh:Identifier Authority="YTJ">1122334-4</sh:Identifier>
            <sh>ContactInformation>
                <sh:Contact>Tilitoimisto Makkonen</sh:Contact>
                <sh:EmailAddress>palkanlaskija.makkonen@tilitoimisto.fi</sh:EmailAddress>
                <sh:TelephoneNumber>09 123 654</sh:TelephoneNumber>
                <sh:ContactTypelIdentifier>Pay office</sh:ContactTypelIdentifier>
            </sh>ContactInformation>
        </sh:Sender>
        <sh:Receiver>
            <sh:Identifier Authority="operator_id">003787654321</sh:Identifier>
            <sh>ContactInformation>
                <sh:Contact>Verkkopalakkatuki</sh:Contact>
                <sh:EmailAddress>verkkopalakkatuki@operaattori.com</sh:EmailAddress>
                <sh:ContactTypelIdentifier>Operator</sh:ContactTypelIdentifier>
            </sh>ContactInformation>
        </sh:Receiver>
        <sh:DocumentIdentification>
            <sh:Standard>PayslipXML</sh:Standard>
            <sh>TypeVersion>2.0</sh>TypeVersion>
            <sh:InstanceIdentifier>SalarySystem123456</sh:InstanceIdentifier>
            <sh>Type>eSalary</sh>Type>
            <sh:CreationDateAndTime>2003-05-02T00:31:52Z</sh:CreationDateAndTime>
        </sh:DocumentIdentification>
    </sh:StandardBusinessDocumentHeader>
    <Payslips>
        <Payslip>
            .
            .
            .
            </Payslip>
        <Payslip>
            .
            .
            .
            </Payslip>
    </Payslips>
</sh:StandardBusinessDocument>
```

	Type	Occurs	Description
StandardBusinessDocumentHeader	Aggr.	0..1	The name of the XML tag that contains the tags and contents of the SBDH. When the separate MIME part packaging approach is used this tag becomes the root of the generated XML Instance Document. MANDATORY .
HeaderVersion	String	1	Descriptor which contains version information for the SBDH (i.e. a number indicating the version of the SBDH). This Header Version information is not the same as the version information of the business document. REQUIRED . NOTE : The HeaderVersion value is currently “1.0”. The HeaderVersion will be updated any time that the schema defining the HeaderVersion changes.
Sender	Aggr.	1..n	Logical party representing the organization that has created the standard business document. This block is repeatable. If the Sender block is repeated then the first sender will be the primary sender and the second sender will be the secondary sender. The secondary sender will be used for internal routing purposes only to further identify the internal routing. The primary sender is REQUIRED , object. The secondary sender can repeat 1 to multiple times and is OPTIONAL .
Identifier	String	1	Descriptor with information to identify this party; REQUIRED .
Authority	String	1	Descriptor that qualifies the identifier used to identify the sending party; REQUIRED .
ContactInformation	Aggr.	0..n	Information about the contact for this document; Can repeat 0 to multiple times. OPTIONAL .
Contact	String	1	Contact for business. REQUIRED .
EmailAddress	String	0..1	Email address of contact; OPTIONAL .
TelephoneNumber	String	0..1	Telephone Number of contact; OPTIONAL .
ContactTypeIdentifier	String	0..1	Role of the contact in this business process; OPTIONAL .
Receiver	Aggr.	1..n	Logical party representing the organization that receives the standard business document. This block is repeatable. If the Receiver block is repeated than the first receiver will be the primary receiver and the second receiver will be the secondary receiver. The secondary receiver will be used for internal routing purposes only to further identify the internal routing. The primary sender is REQUIRED . The secondary sender can repeat 1 to multiple times and is OPTIONAL .
Identifier	String	1	Descriptor with information to identify this party; REQUIRED .
Authority	String	1	Descriptor that qualifies the identifier used to identify the receiving party; REQUIRED .
ContactInformation	Aggr.	0..n	Information about the contact for this document; Can repeat 0 to multiple times. OPTIONAL .
Contact	String	1	Contact for business. REQUIRED .
EmailAddress	String	0..1	Email address of contact; OPTIONAL .
TelephoneNumber	String	0..1	Telephone Number of contact; OPTIONAL .
ContactTypeIdentifier	String	0..1	Role of the contact in this business process; OPTIONAL .
DocumentIdentifier	Aggr.	1	Characteristics containing identification about the document. REQUIRED .
Standard	String	1	The originator of the type of the Business Data standard, in this case: “PayslipXML”. Used for the task of verifying that the grammar of a message is valid. REQUIRED .
TypeVersion	String	1	Descriptor which contains versioning information or number of the standard that defines the document which is specified in the ‘Type’ data element. This is the version of the document itself and is different than the HeaderVersion. In this case, PayslipXML version number. REQUIRED .
InstanceIdentifier	String	1	Descriptor which contains reference information which uniquely identifies this instance of the SBD between the sender and the receiver. This identifier identifies this document as distinct from others. There is only one SBD instance per Standard Header. The Instance Identifier is usually automatically generated by the middleware. REQUIRED .
Type	String	1	A logical indicator representing the type of Business Data being sent or the named type of business data. This attribute identifies the type of document and not the instance of that document. In this case, “eSalary” or “eSalaryAck”. REQUIRED .
CreationDateAndTime	dateTime	1	Descriptor which contains date and time of SBDH/document creation. In the SBDH the parser translator or service component assigns the SBD a Date and Time stamp. The creation date and time expressed here most likely will be

			different from the date and time stamped in the transport envelope. REQUIRED.
--	--	--	---

12 Ack

Ack message indicates if the received PayslipXML is successfully processed. One Ack element refers to one Payslip. There are two possible ways to transmit ack messages: a) each ack message in separate files b) all the ack messages of one batch in one file. Standard Business Document Header can be used, but it's optional.

Figure 9-1 Figure 12-1 describes the Acks-element.

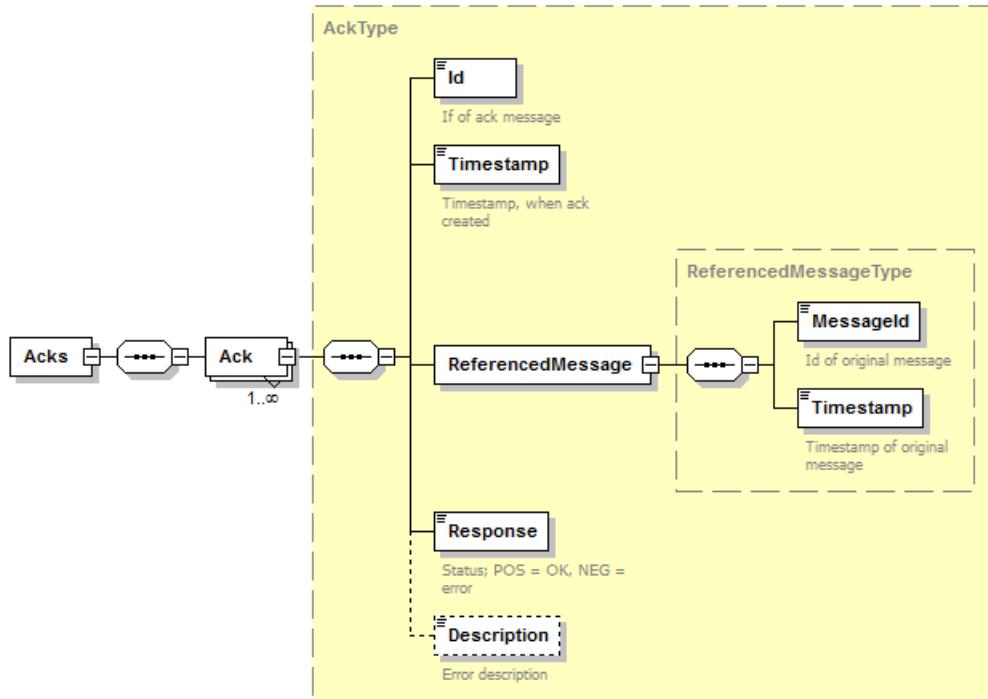


Figure 12-1

Example 1: "One file includes one ack message."

```
<?xml version="1.0" encoding="ISO-8859-15"?>
<Acks>
  <Ack>
    <Id>A123</Id>
    <Timestamp>20131126T123000</Timestamp>
    <ReferencedMessage>
      <MessageId>7645832</MessageId>
      <Timestamp>20130302T151866</Timestamp>
    </ReferencedMessage>
    <Response>NEG</Response>
    <Description>Validointivirhe</Description>
  </Ack>
</Acks>
```

Example 2: "One file includes several ack messages, SBDH is used."

```
<?xml version="1.0" encoding="ISO-8859-15"?>
<sh:StandardBusinessDocument xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
  xmlns="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader
  StandardBusinessDocumentHeader.xsd">
  <sh:StandardBusinessDocumentHeader>
    <sh:HeaderVersion>1.0</sh:HeaderVersion>
    <sh:Sender>
      <sh:Identifier Authority="operator_id">003787654321</sh:Identifier>
      <sh:ContactInformation>
        <sh:Contact>Verkkopalkkatuki</sh:Contact>
        <sh:EmailAddress>verkkopalkkatuki@operaattori.com</sh:EmailAddress>
      </sh:ContactInformation>
    </sh:Sender>
  </sh:StandardBusinessDocumentHeader>
</sh:StandardBusinessDocument>
```

```

        <sh>ContactTypeIdentifier>Operator</sh>ContactTypeIdentifier>
    </sh>ContactInformation>
</sh:Sender>
<sh:Receiver>
    <sh:Identifier Authority="YTJ">1122334-4</sh:Identifier>
    <sh>ContactInformation>
        <sh>Contact>Tilitoimisto Makkonen</sh>Contact>
        <sh>EmailAddress>palkanlaskija.makkonen@tilitoimisto.fi</sh>EmailAddress>
        <sh>TelephoneNumber>09 123 654</sh>TelephoneNumber>
        <sh>ContactTypeIdentifier>Pay office</sh>ContactTypeIdentifier>
    </sh>ContactInformation>
</sh:Receiver>
<sh:DocumentIdentification>
    <sh:Standard>PayslipXML</sh:Standard>
    <sh>TypeVersion>2.0</sh>TypeVersion>
    <sh:InstanceIdentifier>SalarySystem123456</sh:InstanceIdentifier>
    <sh>Type>eSalaryAck</sh>Type>
    <sh:CreationDateAndTime>2013-11-26T12:30:00Z</sh:CreationDateAndTime>
</sh:DocumentIdentification>
</sh:StandardBusinessDocumentHeader>
<Acks>
    <Ack>
        <Id>A123</Id>
        <Timestamp>20131126T123000</Timestamp>
        <ReferencedMessage>
            <MessageId>7645832</MessageId>
            <Timestamp>20130302T151866</Timestamp>
        </ReferencedMessage>
        <Response>NEG</Response>
        <Description>Validointivirhe</Description>
    </Ack>
    <Ack>
        <Id>A124</Id>
        <Timestamp>20131126T123000</Timestamp>
        <ReferencedMessage>
            <MessageId>7645833</MessageId>
            <Timestamp>20130302T151866</Timestamp>
        </ReferencedMessage>
        <Response>POS</Response>
    </Ack>
</Acks>
</sh:StandardBusinessDocument>

```

	Type	Occurs	Description
Acks	Aggr.	1	Compulsory element, which includes one or more “Ack” element.
Ack	Aggr.	1..n	Compulsory element, which refers to one pay slip.
Id	String	1	Compulsory element, which identifies the ack message e.g. <Id>A123</Id>
Timestamp	String	1	Compulsory element, which defines creation time of the ack message, e.g. <Timestamp>20131126T123000</Timestamp>
ReferencedMessage	Aggr.	1	Compulsory element for identifying one referenced pay slip.
MessagedId	String	1	Compulsory element, which identifies one referenced pay slip, e.g. <MessageId>SalarySystem123456</MessageId>
Timestamp	String	1	Compulsory element, which defines creation time of referenced pay slip, e.g. <Timestamp>20130302T151866</Timestamp>
Response	String	1	Compulsory element, which indicates if pay slip batch was successfully processed. Possible values: - “POS” (successfully processed) - “NEG” (not successfully processed)
Description	String	0..1	Optional element, which is used if Response-value is “NEG”. Describes e.g. the cause of unsuccessful processing of pay slip batch.