E-invoice

BGC Invoice 1.3.9

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Content

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1   Introduction

1.1   Purpose of the document

The purpose is to describe BGC Invoice, its XML interface and how it is used in the electronic invoice service.

1.2   General

The electronic invoice service is constructed to handle deliveries of arbitrary documents. This document describes the following formats:
- In and out-deliveries of documents
- The invoice format
- Delivery status reports to the sender
- Acknowledgement for distributed out-deliveries

1.3   Version history

Date	Version	Description	Responsible
2015-03-09	1.3.1	Removal of SBAB and adding of Forex Bank in chapter 10.12.1 Added chapter 5.3 about e-mail invoice	Lars Gustavsson/ Christer Sverla
2015-09-11	1.3.2	Minor changes in chapter 3.1 Added chapter 5.4.4 Added chapter 5.4.5 Changed description in chapter 6.4 Added VB23 code to chapter 12.1 Added VD61 and VD62 code to chapter 12.3 Minor changes in chapter 10.12.1	Niklas Stockhaus
2015-12-07	1.3.3	Updated the description of buyer name in chapter 8.3 Updated the description of invoiceNumber in chapter 8.1 Added VD63, VD64, V65 and VD66 code to chapter 12.3 Complete rewrite of chapter 15 Updated chapter 9	Niklas Stockhaus

2016-03-09	1.3.4	Updated the description for code VD28 Updated the description for buyer/@id under chapter 8.3 Updated the description for document/type under chapter 7.3	Niklas Stockhaus
2016-05-20	1.3.5	Added VD67 code to chapter 12.3 Added description for remittanceID/@type under chapter 8.9.3 Maximum number of characters increased from 40 to 255 for documentDetails/adresseeID under chapter 7.3.1 Updated the text about printing operators in chapter 2.2.6 Updated the description for the element account under chapter 10.10	Niklas Stockhaus
2017-11-20	1.3.6	Change in description of optionDate/@type in chapter 8.9.3 Change in description of @id under chapter 7.2	Niklas Stockhaus
2020-01-15	1.3.7	Change in description of account/@type in chapter 10.10 Added code VD60 under chapter 12.3 Added Svea Bank and Länsförsäkringar Bank B2B under chapter 10.12.1	Niklas Stockhaus
2020-03-11	1.3.8	Change in description in chapter 5.1 about files with status C and T in the e-mail and print flow.	Niklas Stockhaus
2022-06-03	1.3.9	Updated chapter 17 with our new visiting address. Updated chapter 15 since Bankgirot only offers one standard template. Updated description for identifier/@type under chapter 8.1 with information that you need OCR-check enabled to be able to use OCR.	Niklas Stockhaus

2 General principles

Although the initial emphasis is on handling invoices, the system's basic concept deals with handling arbitrary documents.

2.1 General picture of the electronic invoice service

Below is a description of the general principles for using BGC Invoice, the format used to send invoice data via electronic invoice. The terms invoice receiver or receiver refer to the buyer of the goods/services, while invoice issuer or supplier refer to the seller of the goods/services.

2.1.1 Flow for E-invoice B2B
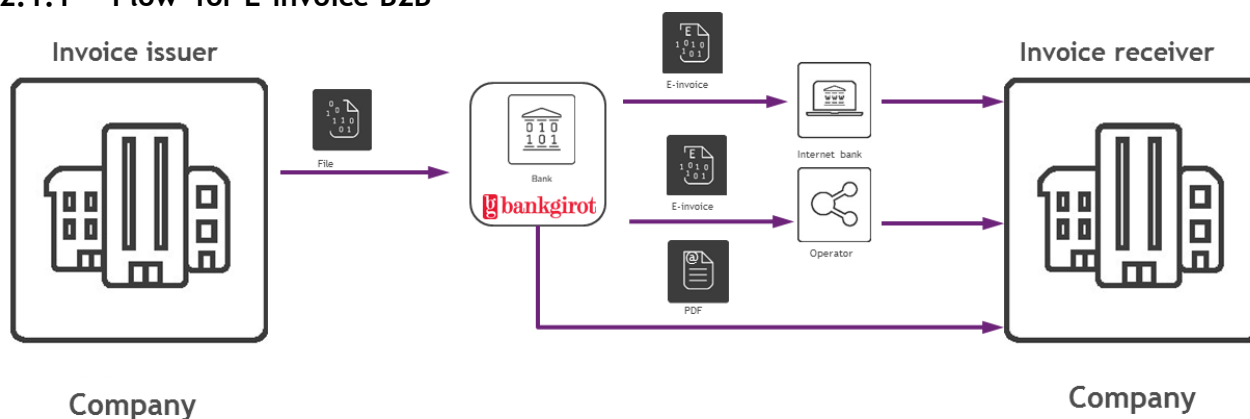
• The invoice issuer signs agreement with Bank for E-invoicing service
• The invoice issuer sends the file to the Bankgirot
• Bankgirot converts and sends e-invoice in the agreed format to the invoice recipient or operator.

2.1.2 Flow for E-invoice for Internet Bank
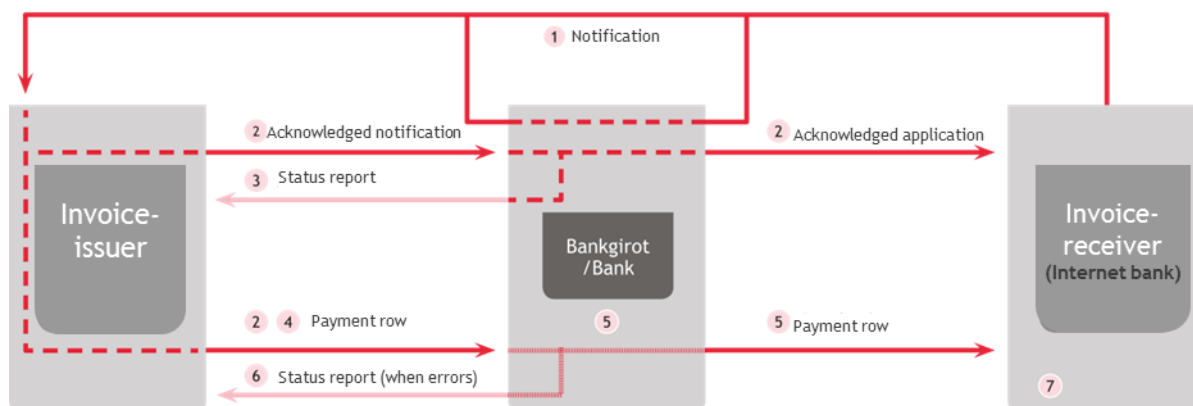
1. Internet Banking Customer makes a notification towards a invoice issuers that he/she wants to get e-invoices
2. The invoice issuer acknowledges the notification in the following ways
   • By file to Bankgirot or
   • Automatically with the first e-invoice
3. Bankgirot acknowledges the status of the notifications in a rapport to the Invoice issuer.
4. The invoice issuer sends a payment row to Bankgirot
5. Bankgirot does a validation of the payment row and does a control of the format.

6. Bankgirot sends the payment rows to respective Internet bank. A status report will be delivered to the invoice issuer if errors has accrued. The status report is made in the same format as the payment row.
7. The invoice receiver sees the payment row in their Internet bank and can:
   • Be linked through the payment row to look at the invoice
   • Change payment date
   • Change amount (if the invoice issuer allows it)
   • Cancel the invoice without paying it
   • Approve the invoice for payment

2.2 Electronic invoice roles
Below is a description of the different roles that exist in the electronic invoice service.

2.2.1 Sender of files
Sender refers to the party who sends the file to Bankgirot. The intention is that a sender can be the same as an invoice issuer or act for several invoice issuers but receives a status file that covers invoices from several invoice issuers.

A file can contain invoices from several invoice issuers (bgnr) but only one player can be the sender of the file. If the invoice issuer's and sender's bgnr is linked to the same customer number (at Bankgirot), no extra connection needs to occur in the system, other than that all bgnrs must be registered as invoice issuer in the system. However, if the invoice issuer's bgnr has a different customer number, these customer numbers must be linked to the sender's customer number, i.e. a bgnr with affiliated customer number must be registered as sender in the electronic invoice service.

2.2.2 Receiver of a file
A receiver of a file can act for one or more invoice receivers. If the receiver is to receive a file containing invoices for several invoice receivers, the invoice receiver's Bankgirot customer number must be linked to the receiver. One section is created per document type and one section can contain invoices from several invoice issuers.

2.2.3 Originator

An invoice issuer is the party that has issued the invoice. In the below format, this party is called the *originator*. The originator's bgnr and customer number must be registered in the system.

A presentation template that controls how the invoice is presented visually is linked to every originator/bgnr. A unique presentation template is linked to every type of document for electronic invoice business-to-consumer. There is a standard template that handles the presentation of all types of documents for electronic invoice business-to-business.

The originator has stipulated for each invoice if the invoice is business-to-business or business-to-consumer. If the invoice is for a consumer, every invoice must include an identity for the invoice receiver in an internet bank.

If the invoice is business-to-business, the originator must have registered in his/her customer list an electronic invoice address that the originator received from the invoice receiver. This electronic invoice address is sent with every invoice. The electronic invoice address is used to identify the invoice receiver in the system.

An originator can set up a connection with a printing operator. This means that when the originator's invoices lack an electronic invoice address or when the electronic

invoice address is incorrect, the invoices are transmitted for printing. If the invoice contains other errors, such as missing mandatory values, the invoice is rejected to the originator and is not printed.

However, if the electronic invoice address is incorrect, the invoice is transmitted for printing. The originator will still receive a status report for the relevant invoice complete with an error code. The error code is sent because the originator has stipulated an incorrect electronic invoice address. The status report gives the originator the chance to correct the incorrect electronic invoice address.

For the acknowledgement of invoices sent to an invoice recipient associated with an intermediator, see 2.2.7 Intermediator.

2.2.4 Addressee (electronic invoice business-to-business)

An invoice receiver is the party that receives the invoice. This party is called the *addressee* in the format below. The addressee selects an electronic invoice address that it wishes to use. The addressee informs its originators (suppliers) that invoices sent into the system are to contain the electronic invoice address. The electronic invoice address is unique in the system and used to identify the receiver when the originator sends an invoice to the system.

An addressee can have one or more electronic invoice addresses. When the addressee is registered in the system, its agreement bgnr is automatically entered as an electronic invoice address (without dashes or null fill). This can be deleted or changed upon request from the addressee.

The electronic invoice address provided by the sender is sent in the invoice file to the addressee. The invoices in the file must be categorized per document type and originator.

2.2.5 Invoice recipient via e-mail

An invoice recipient under section above have a registered electronic billing address of Bankgiro or other e-invoice operator. To broaden the scope so you can also send to the receiver with only an email address. In this case, the e-invoice to a specified email address via SMTP and the invoice is attached as a PDF document. Invoice recipient email is not in any recipient register with the Bankgiro, but all valid email addresses can be used in this flow.

2.2.6 Printing operator

An originator can only be connected to one printing operator. A printing operator can however receive invoices from one or more originators. The invoices in the file are categorised per originator and document type. Invoices that do not have e-invoice address is sent to the printing operator if the issuer have an agreement with the printing operator. Invoices rejected from the internetbank or Intermediator with the error "invoice recipients is missing", is also sent to the printing operator for printing.

Invoices that go to print must still meet the schedule requirements for B2B or B2C invoices. Please use Bankgirots Validation Service to check this.

The printing operator usually receives one file per day, unless otherwise agreed with the invoiceissuers bank. Each printing operator can define the rules / information that the service shall verify that the invoice meets, before the invoice is sent to the printing operator. If the invoice don't meet the rules, the invoice is rejected and the reason for rejection is reported back to the issuer of the invoice.

2.2.7 Intermediator

An Intermediator is another party than a bank that is connected to Bankgirot product E-invoicing and the company has a contractual relationship with reverence to e-invoice service. Bankgirot is a subcontractor to the specified banks, forwards the e-invoices or receives e-invoices from the operator designated by the company.
If forwarded invoices are rejected by the intermediator, such as due to an incorrect e-invoice address, the invoice issuer receives an acknowledgement to this effect. If the invoice issuer is associated with a print bureau, Bankgirot sends the invoices with incorrect e-invoice addresses for printing.

Read more about acknowledgements from intermediators in chapter 9.
Each intermediator defines the rules/necessary information that Bankgirot shall check against the invoice before sending it to the intermediator. If the invoice does not comply with the rules, it is rejected without further distribution and the reason for rejection is reported to the invoice issuer. Some checks must be conducted by the intermediator, such as that the e-invoice address is correct/the invoice recipient exists.

3 Development and Test

3.1 XML

BGC Invoice is an XML format, which is a standard documented at http://www.w3.org/XML. XML is used to represent different types of information.
An XML document represents a certain amount of information. Only data included in this amount of information should be in the XML document. If an element, an attribute or an XML structure lacks information, the element, attribute or XML structure should not be included in the document. If an element, attribute or XML structure is empty, it will still be handled as if they contained data. Generally speaking, opening and closing "empty" characters in an element, such as spaces, tabs and line breaks are considered redundant information which means that these characters are normally ignored when reading an XML document. These should however be removed from the document before sending the file.

To make it easier to differentiate between an element and an attribute in an XML document, there is a set of reserved characters in XML. These characters should not be used in running text. (Refer to table below.)

Reserved characters	Description	Replaced with
&	Ampersand	&
<	Less than	<
>	Greater than	>
"	Quotation marks	"
'	Apostrophe	'

To describe the character set used in the XML document uses the attribute "encoding". It tells the receiver which character set the rest of the document. The e-invoice is used character set ISO-8859-1. An XML document looks like a text document but should be handled at distribution as a binary document. This is to maintain the character set that the document was originally created in. If an XML document is created in ISO-8859-1 and the documents involuntarily converted to another character set such as UTF-8 en route to the receiver, all Swedish characters in the document not to be as expected for the recipient.

3.2 XML Schema

XML Schema is used to tell the receiver of the information how the information that is sent by the sender is represented.

XML Schema can be used for scanning or printouts of information to validate that the information is correct according to the definition. Most commonly, code components for scanning have support for XML Schema, but there are also code components for creating XML that support this. In other words, you can ensure that the XML-based information is correct when you scan and when you create the information yourself. By using an XML editor, which

is basically a text editor created to handle XML-based information, you can validate the XML-based information against an XML scheme.

In development against BGC Invoice, the validity of an XML file is checked against the general controls run in electronic invoice using BGC Invoice XML Schema. In exceptional cases, certain receiver-unique controls are made. The control is then run against the receiver's unique XML Schema.

For questions concerning receiver-unique controls, contact your receiver or contact e-faktura@Bankgirot.se. BGC Invoice XML Schema can be downloaded from Bankgirot´s website or ordered at e-faktura@Bankgirot.se.

Before an originator or addressee is approved as an electronic invoice player, they must undergo a certification test. The criterion for starting such a certification test is that your BGC Invoice file is validated against BGC Invoice XML Schema without comments. See the electronic invoice connection handbooks for a more detailed description of how this works. The handbooks can be downloaded from Bankgirot's website.

4 Formats

4.1 Amounts

Amounts are written by using a decimal to distinguish between krona and öre. Where amounts are expected, the element or attribute has been defined to contain a decimal value; decimal-separated value (xs:decimal).

Example: 1.20 which corresponds to one krona and 20 öre.

4.2 Date

Dates are written in the format CCYY-MM-DD. This is to coincide with how dates are represented in accordance with the standard set by W3C.

4.3 Bank giro number, Plusgiro number and IBAN

A bank giro or plusgiro number is written as a pure numerical value. The number has a fixed length, 10 digits, ragged and null filled without dashes in accordance with the format ZZNNNNNNNN.

Example: 0051234567
IBAN (International Bank Account Number) is written as a pure numerical value where the number of digits can total 34 digits. IBAN starts with the letters "SE".

Example: SE5750000000522601011012

4.4 Document type
BGC Invoice contains a number of different document types. Each document type is represented as a 3-character letter combination followed by a 2-digit number combination. The following document types exist:

electronic invoice business-to-business:
- **INV01** – debit invoice
- **INV02** – credit note
- **INV03** – invoice where payment is made via direct debit
- **INV04** – interest invoice

electronic invoice business-to-consumer::
- **INV01** – debit invoice
- **INV02** – credit note
- **INV03** – invoice where payment is made via direct debit

A debit invoice (INV01) may contain both debit and credit amounts. The credit amounts must be negative and the
sum of the invoice must be positive.

In a credit invoice (INV02), all credit amounts must be positive. It may contain
debit amounts as well and they must be negative. The sum of the credit invoice (INV02) must always be positive.

The sum of the invoice must always be positive, no mather if it is a credit(INV02) or a debit(INV01).

4.5   Limited information

There are no theoretical limitations on how much information each element or attribute can contain in BGC Invoice. Only certain information that is handled by electronic invoice has been limited, and refers to the following:
- Delivery id (batch/@ID) = max 10 digits
- Section id (section/@ID) = max 15 digits
- Bank giro number =10 digits

The limitations otherwise refer to when the document is converted to other formats than BGC Invoice.

4.6   electronic invoice address

The electronic invoice address is always used to identify the receiver in the electronic invoice business-to-business (B2B) service. Electronic invoice address is stipulated in the addressee ID element under the document Details element. The address is stipulated per invoice (document).
The electronic invoice address is normally an arbitrary ID definition that the receiver has been assigned by Bankgirot during the connection phase. The receiver's corporate identity number, minus the dash and only the digits, can often serve as the electronic invoice address. The receiver's agreement bank giro number, minus dash, is automatically entered as the electronic invoice address unless otherwise stipulated.
The term electronic invoice address is synonymous with BGC ID, receiver ID or alias.

4.7   Corporate identity number

A corporate identity number is to be written as a numerical value minus the dash when the invoice is sent from an originator. This is to allow format conversion of the invoice at the receiver.

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4.8 VAT rate

VAT rates can be defined to contain a decimal value; decimal-separated value (xs:decimal).

Example: 25% VAT is written as 25.00 or 25

4.9 Invoicing Consumers - B2C

When consumers are to be invoiced in the electronic invoice business-to-consumer (B2C) service, the following rules and regulations must be complied with, in addition to the rules and regulations for business-to-business invoicing. Element

	Description	Occurrence	Reference.
document/documentDetails/addresseeID[@type='BGCID']	electronic invoice address for electronic invoice B2B service	Mandatory	See 7.3
document/@id	Stipulate here the OCR number for electronic invoice B2C invoicing	Mandatory	See 7.3
document/invoice/@id	Stipulate here the OCR number for electronic invoice B2C invoicing	Mandatory	See 8
invoice/invoiceDetails/identifier/[@type='OCR']	Stipulate here the OCR number for electronic invoice B2C invoicing	Mandatory	See 8.3
<bankCustomer>...</bankCustomer>	The object bankCustomer contains info for the bank customer (consumer)	Mandatory	See 8.2.2
invoice/payment	The payment row amount is stated here	Mandatory	See 8.4
invoiceDetails/invoiceTotal	The total invoice amount is stated here	Mandatory	See 8.3.1

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4.10   Addressing Intermediator

a) If an invoice issuer has an agreement with one of the Bankgiro banks and is to send an e-invoice to an invoice recipient via another e-invoice node.
b) If an invoice issuer from another e-invoice node is to send an e-invoice to an invoice recipient that has an agreement with one of the Bankgirot banks.

The following intermediators are available:
Reference to elements where an intermediator ID must be placed:
- the **intermediator** element under batchDetails (see chapter 7.1.1)
- the **originatorIntermediator** element under documentDetails (see chapter 7.3.1)

When using the above fields, the system requires the use of @messageTimestamp and @messageID. See chapter 7.3
If no value is specified in the intermediator element, it is assumed that the invoice issuer/invoice recipient belong to one of the Bankgirot banks.
Intermediatorlist can be found on http://www.Bankgirot.se

4.11   Addressing Intermediator

a) If an invoice issuer has an agreement with one of the Bankgiro banks and is to send an e-invoice to an invoice recipient via another e-invoice node.
b) If an invoice issuer from another e-invoice node is to send an e-invoice to an invoice recipient that has an agreement with one of the Bankgirot banks.

The following intermediators are available:
Reference to elements where an intermediator ID must be placed:
- the **intermediator** element under batchDetails (see chapter 7.1.1)
- the **originatorIntermediator** element under documentDetails (see chapter 7.3.1)

When using the above fields, the system requires the use of @messageTimestamp and @messageID. See chapter 7.3
If no value is specified in the intermediator element, it is assumed that the invoice issuer/invoice recipient belong to one of the Bankgirot banks.
Intermediatorlist can be found on http://www.Bankgirot.se

5 Sending invoice files

The below describes the procedure and breaking points for scanning and sending invoice files.

5.1 Marking files for test/production

A file must be status marked in electronic invoice in order to show if the file is for certification (C), test (T) or production (P). The status markings differ for electronic invoice business-to-business and electronic invoice business-to-consumer.
Reference: see chapter 7.1

5.1.1 Marking in electronic invoice business-to-business (B2B)

When invoicing businesses, the invoices arrive in files marked with status P or T for further distribution to the addressee.
In invoices in the files marked with status C are processed only between the originator and Bankgirot. C-marked invoices are not further distributed to the addressee. A C-marked file can still be addressed to a real addressee, meaning that the file in such cases is validated against the receiver's unique controls.
Attention: If the receiver of the file is via E-mail or a printing operator, the file will be delivered to the receiver even if it has status C or T.

5.1.2 Marking in electronic invoice business-to-consumer (B2C)

When invoicing consumers, the invoices arrive in files marked with status P for further distribution to the end customer's Internet bank.
Invoices in files marked with status T or C are processed only between the originator and Bankgirot, meaning that the invoices are not further distributed to the Internet bank.
Attention: If the receiver of the file is via E-mail or a printing operator, the file will be delivered to the receiver even if it has status C or T.

5.2 Incoming files for electronic invoice

Files from the sender can be sent as electronic invoice in accordance with current legislation. Incoming electronic invoice files are placed on queue and processed in the order in which they arrive.

5.3 E-Mail Invoice
BGC Invoice can be used to send the invoice as a PDF file in an email to the recipient.
To utilize this option, the service has to be agreed upon with the e-invoicing bank.

In BGC Invoice the recipient's email address is placed under documentDetails/addresseeID, where normally an e-invoicing address is added. Specify no recipient intermediator when the invoice is to be e-mailed.

If an attachment is included with the invoice, it will be attached to the e-mail in its original format (PDF or image format).

If there is a logotype in picture format attached to the BGC Invoice it will be posted on the invoice image. Please note that the logotype is posted in its original size. Therefore never include a logotype that is too large for an invoice image.

5.4   Status reports

One or a few minutes after the submitted files are distributed a status report is sent back to the sender. The status report may be delayed if many files are already waiting for their processing turn.

5.4.1   Status reports for electronic invoice business-to-business

Status reports to the originator in the electronic invoice B2B service are always sent to the originator, regardless of whether the entire invoice file was correct. The status report can be sent as a file in an optional format, in the standard BGC Invoice format, or as an email message where the report in BGC Invoice format is attached as a PDF file. The email address that the e-mail message is sent to is entered by Bankgirot in the registration phase.

If the originator has chosen to receive via files, the originator can elect to receive a notification mail that reports in connection with every file distribution that a status report file is available. This requires that the originator stipulates in the invoice file an email address in *sectionInfo* in the *email* element. Reference: see chapter 7.2.2.2

An acknowledgement is prepared for every submitted invoice file that contains the amount of processed, submitted and printed documents. Depending on which status report format the originator has chosen, all or parts of the information is further distributed to the originator depending on the type of error, etc. More information about status reports in standard BGC Invoice format is provided in chapter 9.

5.4.2   Status report from an Intermediator

If an invoice is sent to an e-invoice node (intermediator) other than Bankgirot, the invoice issuer may receive several acknowledgement files as the different nodes may provide acknowledgements at different times. Hence the first acknowledgement only contains preliminary information.
If the e-invoice is sent to an e-invoice node other than Bankgirot, the acknowledgements for these will only contain rejected e-invoices.
The work flow is as follows:
a) Bankgirot processes all e-invoices
b) E-invoices to recipients at Bankgirot (that have e-invoice agreements with Bankgirot banks) are checked.
c) E-invoices to be forwarded to other intermeditors (e-invoice nodes) are checked.
d) Rejected e-invoices and preliminary status acknowledgement sent to invoice issuer.
e) If another intermediator rejects the e-invoice, acknowledgement to this effect is sent to the invoice issuer within 24 hours on weekdays. With reservation for deviations.

5.4.3   Status reports for electronic invoice business-to-consumer

Status reports to the originator in the electronic invoice B2C service are sent only if the invoice file contains errors or if it for some reason could not be delivered to the addressee. If the invoice file was correct, no status report is sent.

Bankgirot reports incorrect invoice files in a standard format with a fixed record length of 240 character positions. It contains the same information entered in the payment row in the invoice file and an error code/error text.

In addition to this back reporting variants for service e-billing companies, ie in any format, in BGC Invoice format or via e-mail.

5.4.4   Status reports for E-Mail invoice

If the e-mail address does not exist and Bankgirot receives a bounce message, an automatic warning is sent to Bankgirot's customer support who then convey the matter to the issuer of the invoice so that they may update the e-mail address.

5.4.5   Duplicate control

There are two general duplicate checks carried out on all BGC Invoice files to Bankgirot. Firstly, section@id must be unique in the invoice file. Second, document@messageID and document@messageTimeStamp must be unique, however, these two attributes are optional to use.

5.4.5.1   DUPLICATE CONTROL FOR ELECTRONIC INVOICE BUSINESS-TO-CONSUMER

Duplicate control is performed on the following parameters:

- Biller
- Payer
- Amount
- Due date
- Payment service OCR
- Payment Gironumber

If all the values above have been received on a previous invoice the new invoice will be rejected. If any of these values are changed the invoice will not be classified as a duplicate.

-

5.5   Outgoing files from electronic invoice

All incoming invoices that are production marked and not previously sent to the addressee or printing operator are compiled and sent to the receiver after 2 a.m. on day 2. For other delivery times than the standard, please contact your bank. You will join as intermediate or as a print bureau, incoming files can be delivered at different times within the hour or half hour. Current time is up at the connection phase.

Test marked invoices are checked every fourth hour, starting at 12 midnight. If at that time there is still an unsent test invoice, it is sent to the receiver.

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6   Size constraints

The below describes the invoice, template and file size constraints.

6.1   Invoice clob

The invoice part (invoice data) may total a maximum 50 Mb, including all data, elements and attributes in the invoice element.

6.2   SectionInfo clob

The sender can enter sub-elements with values that are to be reported back to the sender under sectionInfo. The element name and any relevant attributes together with the values may total a maximum of 1000 byte. Refer also to chapter 7.2.2 for more information.

6.3   Presentation template

The template used to present the invoice may total a maximum 146 kbyte.

6.4   File

An invoice file is recommended to have a maximum filesize of 60 Mbyte. The transmission method may further limit the size of the invoice file.

The invoice file may not contain start tabs or blank spaces; instead, the XML file is to have a ragged structure.

Example:
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<batch id="4139004274" status="P" version="1.0">
<batchDetails>
<bgnr>0052560281</bgnr>
<totalSections>1</totalSections>
<totalDocuments>1</totalDocuments>
.....
```
6.5   Row width

The invoice file may only contain rows, including the XML elements that are no wider than 240 characters. A line break is used for rows wider than 240 characters. The line break is to be placed between and not inside the closed elements or attributes.

7 Batches to electronic invoice

A delivery (batch) can be compared with a file. A batch of documents is divided into different sections. Each batch can contain an optional amount of sections. Each section can in turn contain an optional amount of documents (document/invoice).
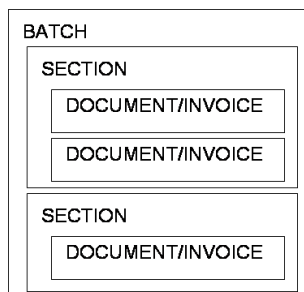
The contents in batches and sections are described under the heading *7 Batches*. The contents in documents are described under the heading *8 Invoice format*.

7.1 Batch
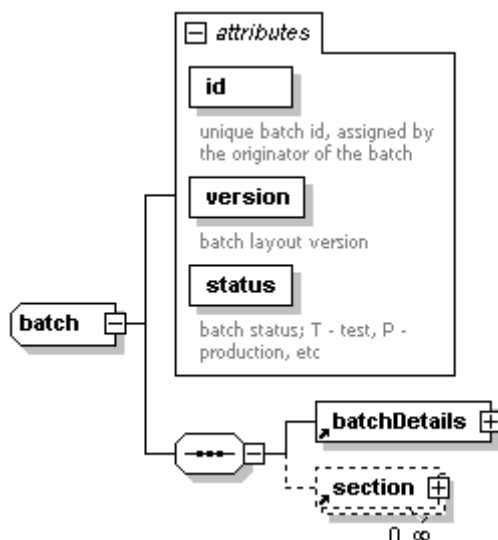
A batch consists of an arbitrary number of sections.

Root element	Description
batch	Batch of documents

Element/attribute	Type	Occurrence	Description
@id	Identifier	**1**	Batch identity The contents are entered by Bankgirot's file-management system, Hopper. The attribute, which is to be empty, must be enclosed by the sender. Example: id=""
@status	Character	**1**	Batch status Electronic invoice B2B <table><tr><td>**Value**</td><td>**Description**</td></tr><tr><td>C</td><td>Certification against Bankgirot</td></tr><tr><td>T</td><td>Tests against receiver</td></tr><tr><td>P</td><td>Production</td></tr></table> Electronic invoice B2C <table><tr><td>**Value**</td><td>**Description**</td></tr><tr><td>C</td><td>Certification against web hotel</td></tr><tr><td>T</td><td>Tests against the electronic giro system</td></tr><tr><td>P</td><td>Production</td></tr></table> See chapter 5.2 for more information
@version	Version	**1**	Version of the batch format. Standard: "1.2.1"
batchDetails	Aggregated	**1**	Information about the batch. See chapter 7.1.1 for more information.

section	Aggregated	0..n	Section See chapter 7.2 for more information.

7.1.1   Batch information
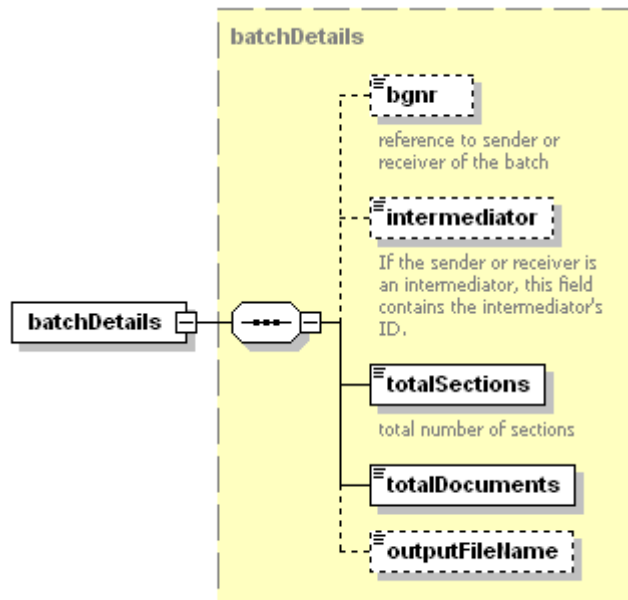
A batch can be compared with a file. A batch has a sender or a receiver depending on if the batch is an input batch to the electronic invoice service or an output batch to the receiver.

A batch contains an arbitrary number of sections that together correspond to an arbitrary number of documents. If the batch is an output batch, the name of the output batch file that the conversion engine (Streamserve) uses is also stipulated.

Root element			Description	
batchDetails			Batch information	
Element/attribute	**Type**	**Occurrence**	**Description**	
bgnr	Bank giro number	0..1	The agreement bank giro number for the party that either sends/creates the batch or receives the batch.	
originatorID	Character	0..1	Arbitrary reference for originator. The field is used only when an issuer sends a file. Value must be registered with Bankgirot so Bankgirot can link the value of a bgnr. Only one of the fields	

				bgnr or originatorID may be used. Format: Alphanumeric. Maximum 40 characters
seller/@id	Identifier	0..1		Note The content is created by Bankgirot. Used only in the re-statement of the Bankgirot. Seller's identity. value: Seller's corporate identity.
intermediator	Character	0..1		If the sender or recipient is an intermediator, the intermediator's ID is specified here. A batch may only contain documents from one and the same intermediator. A batch may only contain documents addressed to one and the same intermediator. Format: Alphanumeric. Max. 30 characters. See chapter 4.1.10 for more information.
totalSections	Integer	1		Number of sections in the batch.
totalDocuments	Integer	1		Total number of documents in the batch.
outputFileName	Character	0..1		**Only for Bankgirot.** Name of the output batch files. Used when the file is converted and a new file is created from the batch.

bankgirot
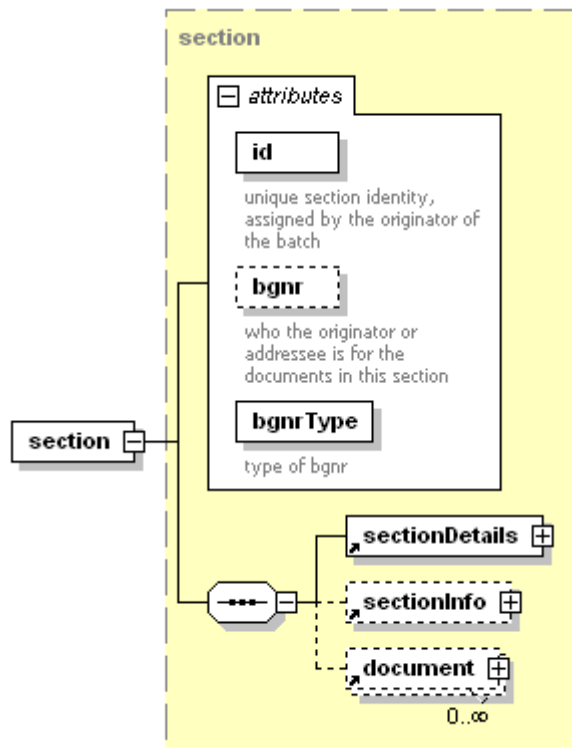
7.2 Section

A section can only contain documents of one type (such as debit invoice, credit note, etc.). The combination section identity and the document originator's bank giro number provide a unique identity for the section in relation to the batch.

Root element		Description	
section		Document section	
Element/attrib ute	**Type**	**Occurrence**	**Description**
@id	Identifier	1	The section's identity. Duplicate control occurs during loading. Same section id must not occur twice Format: Alphanumerical. Max 15 characters
@bgnr	Bgnr	0..1	The bank giro number for the party associated with the document in the relevant section. Can be either the originator/creator or the receiver of the document. Format: See 4.1.3 for more information.
@originatorID	Character	0..1	Arbitrary reference for originator. The field is used only when an issuer sends a file. Value must be registered with Bankgirot so Bankgirot can link the value of a bgnr. Only one of the fields bgnr or originatorID may be used. Format: Alphanumeric. Maximum 40 characters
@bgnrType	Character	1	Type of bank giro number associated with the section. Value alternatives: **originator** – issuer, used for incoming batches and batches to printing operators **addressee** – invoice receiver, used for other outgoing batches
sectionDetails	Aggregated	1	Section information See chapter 7.2.1 for more information.
sectionInfo	Aggregated	0..1	Supplementary section information. Used for a specific format. The information is returned in the status report file. See chapter 7.2.2 for more information.
document	Aggregated	0..n	Documents, such as invoices. See chapter 7.3 for more information.

7.2.1   Section information
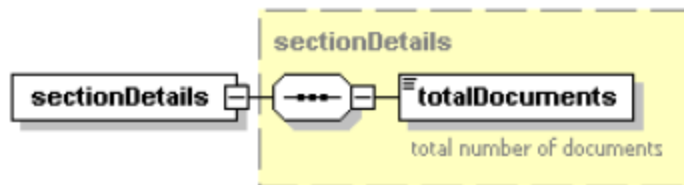
One section contains a number of documents. **Root element**	Description		
sectionDetails	Section information		
Element/attribute	**Type**	**Occurrence**	**Description**
totalDocuments	Integer	1	Total number of documents in the section.

7.2.2 Supplementary section information

Distribution or status reports may require additional information at section level. This information is placed in a separate element, which has an undefined internal structure standard. This means that there is no control of elements and values within sectionInfo against the XML Schema. The elements are not presented in the file to the Addressee. Maximum size including elements and attributes is 1 kbyte.

Root element		Description	
sectionInfo		Supplementary section information	
Element/attribute	Type	Occurrence	Description
any	0..n	Supplementary section information. The element can contain arbitrary information related to the section.	

7.2.2.1 SUPPLEMENTARY INFORMATION FOR THE ELECTRONIC INVOICE FORMAT

Root element		Description	
sectionInfo		Supplementary section information	
Element/attribute	Type	Occurrence	Description
senderID	Identifier	0..1	The file's sender. CTD Alphanumerical format. Four characters.
receiverID	Identifier	0..1	The file's receiver. Alphanumerical format. Four characters.
originatorBankID	Identifier	0..1	The originator's bank. Alphanumerical format. Four characters.
addresseeBankID	Identifier	0..1	The presentor bank's bank. Alphanumerical format. Four characters.
originatorBgnr	Identifier	0..1	The originator's bank giro number.
originatorID	Identifier	0..1	The identity of the originator. Alphanumerical format. 32 characters.

7.2.2.2 SUPPLEMENTARY BUSINESS SYSTEM INFORMATION. THE INFORMATION IS RETURNED TO THE SENDER IF SENDER ACCEPTS STATUS REPORTS ON FILE.

Root element		Description	
sectionInfo		Supplementary section information.	
Element/attribute	**Type**	**Occurrence**	**Description**
messageID	Identifier	0..1	Optional ID. Can be used by the sender to connect the transaction with the status report.
email	Identifier	0..1	The sender's email address. A message/notification is sent to the email address when a status report file is created. The message is sent only if there is an email address in the element and if the format for the status report file is Bankgirot's standard format, BGC Invoice.
fileName	Identifier	0..1	The file name of the status report file.
senderID1	Identifier	0..1	Identifies the sender
senderID2	Identifier	0..1	Identifies the sender
receiverID1	Identifier	0..1	Identifies the receiver
receiverID2	Identifier	0..1	Identifies the receiver
receiverID3	Identifier	0..1	Identifies the receiver

7.2.2.3 SUPPLEMENTARY INFORMATION WHEN INVOICING VIA INTERMEDIATOR.

Root element		Description	
sectionInfo		Supplementary section information.	
Element/attribute	**Type**	**Occurrence**	**Description**
@messageId	Identifier	0..1	Unique message ID when using an intermediator. Set by the sender. Unique to the message when combined with messageTimestamp.
@messageTimestamp	Identifier	0..1	The timestamp when the message was created.
@RefToMessageId	Identifier	0..1	Original unique message ID. Used in acknowledgements from intermediator.

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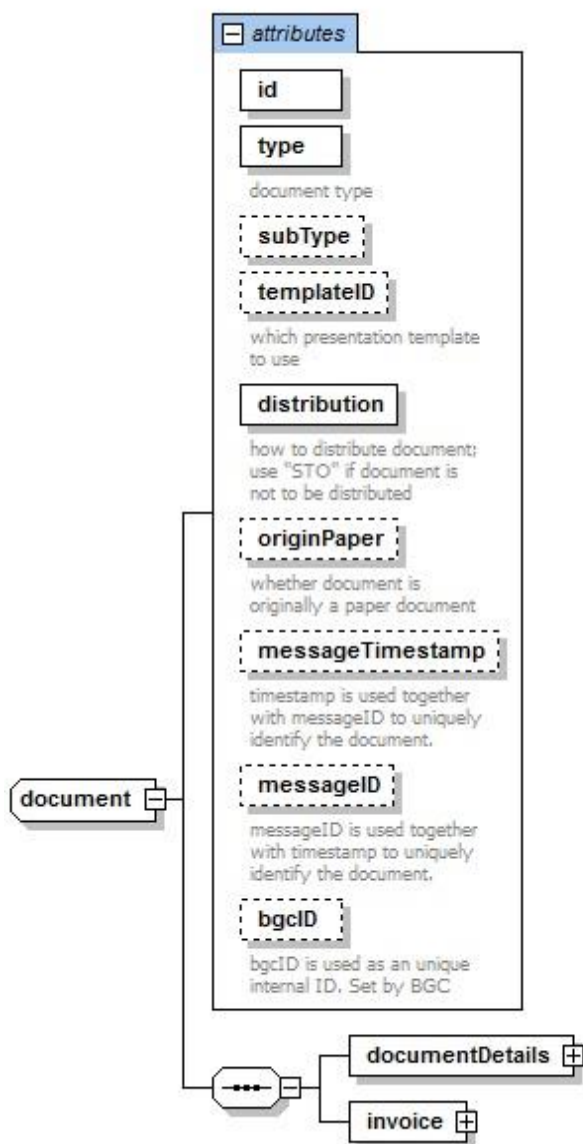
7.3   Document

A document must have a unique identity and a type reference. The actual document details are a sub-element to the document element and its format is optional, although the format should match the document type.

Element type	Description
document	Contains the invoice information.

Element/ attribute	Type	Occurrence	Description

@id	Identifier	1	The document identity, entered by the creator of the document.
			A unique identity for the invoice/document, for example invoice reference or invoice number.
			Format: Alphanumerical. Max 25 characters
			The term is also used as a search word in the online Service Pages (Servicesidorna).
			Must have the same value as invoice/@id
@type	DocType	1	Type of document.
			Examples of document types (values): **INV01** – Standard invoice (debit) **INV02** – Credit note **INV03** – Invoice with payment via direct debit **INV04** – Interest invoice
			See chapter 4.1 for more information.
@bgcID	Identifier	0..1	Note Used only by Bankgirot. Unique Bankgirot internal identity.
			The attribute will be empty, bgcID @ = "".
@messageTimestamp	Timestamp	0..1	Note! Used only by Intermediator and not by sender.
			Timestamp set by the sender.
			The document is unique for a sender when combined with messageID.
			Mandatory for forwarding intermediators.
			Rec. Format: [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}Z
			Example: 2006-09-08T14:39:01Z
@messageID	Identifier	0..1	Note! Used only by Intermediator and not by sender.
			Unique ID set by the sender.
			The document is unique for a sender when combined with messageTimestamp.
			Mandatory for forwarding intermediators.
			Format: Alphanumeric. Max. 80 characters.

@refToMessageID	Identifier	0..1	Only used for acknowledgements from Bankgirot. Refers to @messageID in the original document, that is, the document to be acknowledged. @messageID and @messageTimestamp are assigned new values in the acknowledgement.
@subType	Code	0..1	Atttributet not used and Bankgirot does not take into account the conversions.. Used if invoices of the same main type are to be handled differently, for instance in respect to the invoice's contents.
@originPaper	Boolean	0..1	If the document is originally a paper document scanned via **Bg Scanning solution**. Value: **true** (yes), **false** (no) Default value is set to false if no value is specified.
@templateID	Integer	0..1	Presentation template-ID Which presentation template is to be used to present the document. Standard value: 1 (Unless otherwise agreed))
@distribution	Code	1	How the document is to be distributed. Values: **B2C** (electronic invoice business-to-consumer) – invoices to consumers in the Internet bank. **B2B** (electronic invoice business-to-business) – invoices that are sent between businesses where the receiver accepts the invoice on file.
documentDetails		1	See Chapeter 7.3.1 for more information.
invoice		1	See Chapter 8 for more information.

7.3.1 Document information
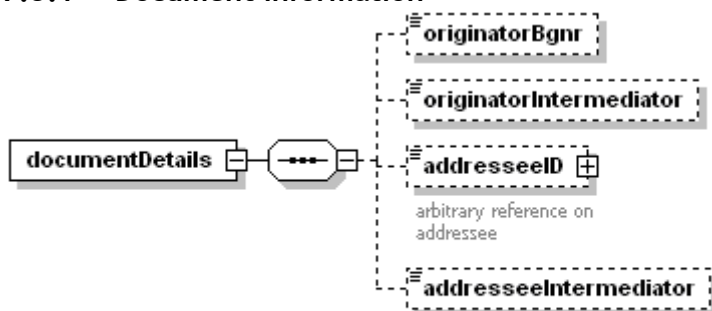
A document has a sender (issuer) and a receiver. The receiver is identified by the BGC ID that the receiver has stipulated for the originator. If the receiver is not stipulated and the sender has a link to a printing operator, the document is sent to the printing operator.

Element type			Description	
documentDetails			Additional information about the document.	
Element/attribute	**Type**	**Occurrence**	**Description**	
originatorBgnr	Bgnr	0..1	Bankgironumber of the party that created the document (exhibitor).	
			If the issuer of the invoice does not have a contract with a Bankgirot -banking and originatorIntermediator is set so do not check this box out.	
			Only one of the fields originatorBgnr or originatorID may be used.	
originatorBgnr/@id	Character	0..1	Note Use only for re-presentation of the Bankgirot.	
			Organisationnumber for issuer is linked to agreementbgnr.	
originatorID	Character	0..1	Arbitrary reference to exhibitors. The field is only used when an exhibitor sends a file. Value must be registered with Bankgirot so Bankgirot can connect value to a bgnr.	
			Only one of the fields or originatorBgnr originatorID may be used.	
			Format: Alphanumeric. Maximum 40 characters	

originatorIntermediator	Character	0..1	If the issuer does not have a Bankgirot bank, the intermediator's ID is specified instead of originatorBgnr. If, on the other hand, the issuer does have a Bankgirot bank, both originatorIntermediator and originatorBgnr can be specified if desired. See chapter 4.6 for more information.
addresseeID	Identifier	0..1	Arbitrary receiver reference stipulated by the originator of the document. **Refers only to B2B.** The value is used to identify the receiver. Format: Alphanumerical. Max 255 characters See chapter 4.1.6 for more information.
addresseeID/@type	Code	0..1	Type of reference for the receiver. Example:EAN, ORGnr, BGCID etc.
addresseeID2	Character	0..1	Arbitrary additional reference for the recipient specified by the creator of the document. **Only for B2B.** Format: Alphanumeric. Max. 40 characters. See chapter4.6 for more information
addresseeID2/@type	Character	0..1	Type of additional reference for recipient. Examples: EAN, ORGnr, BGCID etc.etc.
addresseeIntermediator	Character	0..1	Intermediator identity. **Only for B2B.** Format: Alphanumeric. Max. 40 characters.

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			If the recipient does not have a Bankgirot bank, the receiving intermediator's ID is specified. If, on the other hand, the recipient does have a Bankgirot bank, both addresseeIntermediator and addresseeID can be specified if desired.

8   Invoice format/Invoice

This chapter describes the document type 'invoice' which is supported in the BGC Invoice format.

Root element		Description	
invoice		Contains the invoice information.	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	1	The originator's ID on the invoice. Invoice reference number, for example OCR number. Format: Alphanumerical. Max 25 characters. **Must be the same as in document/@id**
@type	DocType	1	Type of document. Example of document types (values): **INV01** – Standard invoice (debit) **INV02** – Credit note **INV03** – Invoice with payment via direct debit **INV04** – Interest invoice See chapter 4.4 for more information. **Must coincide with "document/@type"**
@subType	Code	0..1	Further type classification of the invoice. Used if invoices of the same main type are to be handled differently, for instance in respect to the invoice's contents.
invoiceDetails	Aggregated	1	General invoice details. See chapter 8.3 for more information.
invoiceRow	Aggregated	0..n	Information about invoice rows. See chapter 8.6 for more information.

invoiceRowPre	Aggregerad	0..n	The element is not used and Bankgirot do not account for the conversions. Invoice row containing preformatted text (PRE). Either invoiceRow or invoiceRowPre is used. Both cannot be used in the same invoice. See chapter 8.7 for more information.
seller	Aggregated	1	Information about the seller/supplier. See chapter 8.1 for more information.
buyer	Aggregated	1	Information about the buyer. See chapter **Fel! Hittar inte referenskälla.** for more information.
payment	Aggregated	1	Payment information. See chapter 8.4 for more information.
delivery	Aggregated	0..1	Details about the delivery. See chapter 8.5 for more information.
specification	Aggregated	0..1	The element is not used and Bankgirot do not account for the conversions. Invoice specification if this does not fit in the invoice rows. Use for B2C when the invoice is only for presentation. See chapter8.7 for more information.
epiDetails	Aggregated	0..1	Payment details; information to enable an electronic payment. Mandatory if the invoice is for B2C. Part of the information is further transmitted to the electronic giro system for presentation in the Internet bank. Recommended if the invoice is for B2B. See chapter 8.8 for more information.
currency	Aggregated	0..1	Currency information (exchange rate). See chapter 8.3.3 for more information.
printInfo	Aggregated	0..1	Information to the printing operator if the invoice is to be printed. See chapter 8.3.4 for more information.
factoring	Aggregated	0..1	Information about factoring if the invoice is to be further transmitted to a factoring company. See chapter 8.3.5 for more information.
enclosures	Aggregerad	0..1	Enclosures See chapter 8.3.20 for more information.

8.1 Invoice details

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Root element		Description	
invoiceDetails		Information about the invoice	
Element/attribute	**Type**	**Occurrence**	**Description**
invoiceType	Character	0..1	Type of invoice as text. Example value: Debit invoice, etc.
invoiceType/@code	DocType	1	Type of invoice. Examples of invoice types (values): **INV01** – Standard invoice (debit) **INV02** – Credit note **INV03** – Invoice with payment via direct debit **INV04** – Interest invoice See chapter 4.4 for more information.
identifier	Identifier	0..n	Other identities or references for the relevant invoice details. In B2C, payment reference in this box and in epiDetails / remittanceID
identifier/@type	Character	1	Type of identifier. For B2C, you must have this attribute value OCR or MED. The value is set depending on whether the payment reference is an OCR number or message. Note OCR or MED must be in capital letters and the maximum length is 25 characters. OCR can only be used if OCR-check is enabled on the bankgironumber used. Type MED it is not allowed to use the following characters in the reference; <,>, &, "and ' B2B can own types defined.
invoiceNumber	Identifier	1	Invoice number.

			Max Characters: 100
E-invoice BGC Invoice 1.3.9			

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invoiceDate	Date	1	Invoice date. If no delivery date is specified then the invoice date also will be construed as the delivery date. Format: See chapter 4.2
invoicePeriod	Period	0..1	Invoicing period Format: See chapter 10.1
copy	Character	0..1	If the invoice details refer to a copy. If this field contains a value other than **COPY** or omitted relates to invoice documents an original.
sellerReference	Character	0..1	The element is not used and Bankgirot do not account for the conversions. Use instead seller/salesContact/text Seller's own reference on the invoice. Exampel: invoice number NOTE! If sellerReference used then sellerReferenceID and sellerReferenceName cannot be used

sellerReferenceID	Identifier	0..1	The element is not used and Bankgirot do not account for the conversions.
			The seller's own reference on the invoice.
			NOTE! *Cannot be used together with sellerReference*
			Use sellerReference in the first place.
sellerReferenceName	Character	0..1	The element is not used and Bankgirot do not account for the conversions.
			Instead use the seller / sales contact / name Name of the seller; individual
			NOTE! *Cannot be used together with sellerReference*
			Use sellerReference in the first place.
priceListReference	Aggregated	0..1	Reference to the pricelist used as the basis for invoicing.
			See chapter 8.3.2 for more information.
tenderReference	Aggregated	0..1	Reference to the tender used as the basis for the order.
			See chapter 8.3.8 for more information.
orderReference	Aggregated	0..1	Reference to the order used as the basis for this invoice.
			See chapter 8.3.9 for more information.

remainderReference	Aggregated	0..1	Reference to outstanding order. See chapter 8.3.5 for more information.
invoiceReference	Aggregated	0..1	Reference to a previously created invoice. See chapter 8.3.6 for more information .
agreementReference	Aggregated	0..1	Reference to the agreement used as the basis for this invoice. See chapter 8.3.7 for more information.
documentReference	Aggregated	0..n	Reference to arbitrary documents. Type of document is stipulated via attribute @type. Used in the bilateral agreement between the buyer and seller. See chapter 11.11 for more information.
customerReferenceNumber	Character	0..1	The attribute is not used and Bankgirot do not account for the conversions. Sublevel of agreement number, such as customer number.
referenceID	Identifier	0..n	Reference to arbitrary resource.
invoiceTotal	Aggregated	1	The invoice's total amount. See chapter 8.3.1 for more information.
costCenter	Character	0..1	The buyer's cost centre.

shortProposedAccount	Identifier	0..1	The attribute is not used and Bankgirot do not account for the conversions. Brief proposal for payment account.
normalProposedAccount	Identifier	0..1	The attribute is not used and Bankgirot do not account for the conversions. Normal proposal for payment account.
vatAmount	Aggregated	0..n	VAT amount **NOTE!** Is to be included if VAT is stipulated in invoice Total/vatAmount. If this field is stipulated, attributes @rate and @base are also to be stipulated. See chapter 11.7 for more information.
text	Character	0..n	Free text field. Other information to the seller, for example a greeting. **NOTE!** The element must be empty in B2C invoices. The message in this element is presented to Internet banks' bank customers instead of the originator's name.
URL	URL	0..n	Web link to invoice details. Stipulated if additional information exists about the invoice or if the invoice presentation is done at another party.

webRequest	Aggregated	0..1	The element is not used and Bankgirot do not account for the conversions. Alternative way to connect to the invoice details. See chapter 8.3.8 for more information.
images	Aggregated	0..n	References to images. NOTE! Only for Bankgirot See chapter 8.3.9 for more information.
expenses	Aggregated	0..n	Expenses and extra costs. For example, pallet fees, packaging, etc. See chapter 8.3.10 for more information.
legislationDetails	Aggregated	0..1	Information about rules and regulations. See chapter 8.3.11 for more information.
discountDetails	Aggregated	0..n	Information about discounts. See chapter 8.3.12 for more information.
freightDetails	Aggregated	0..1	Information about freight. See chapter 8.3.13 for more information.
quantity	Quantity	0..1	The element is not used and Bankgirot do not account for the conversions. Total amount of articles/units covered in the invoice. See chapter 11.3 for more information.
projectReference	Aggregerad	0..n	Projektinformation. See chapter 8.3.14 for more information.

8.2   Seller
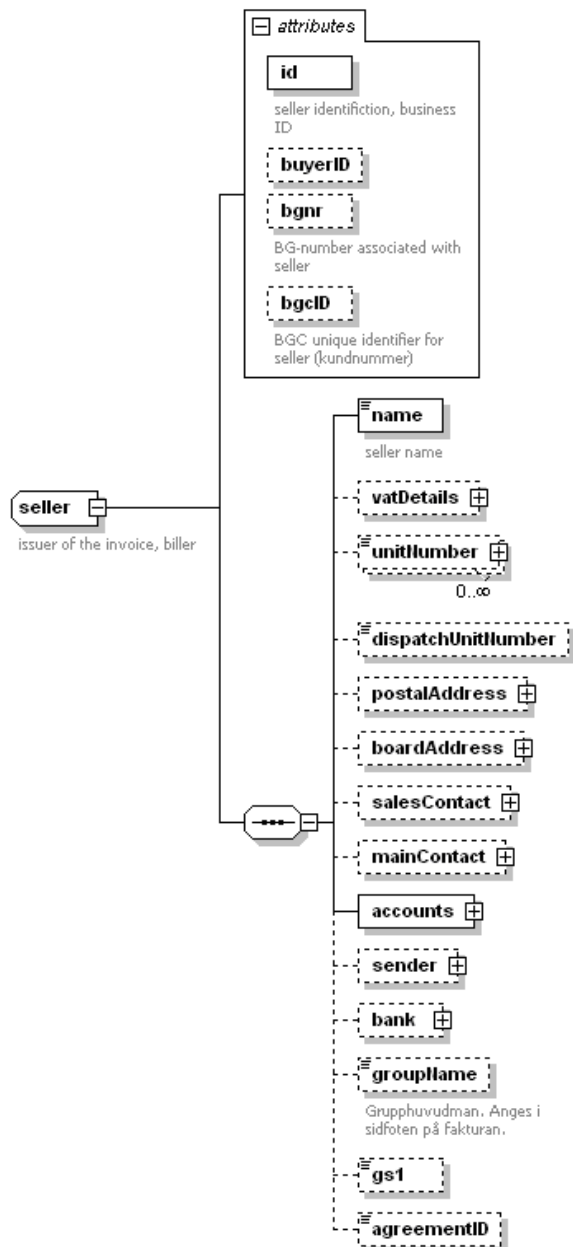
Contains information about the seller/issuer of the invoice; identification, corporate identity number, VAT number and such.

Root element		Description	
seller		Information about the seller	
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	1	The seller's identity. Values: The seller's corporate identity number in Sweden. The seller's VAT registration number in countries other than Sweden.
@buyerID	Identifier	0..1	The buyer's identity for the seller. For example, the buyer's supplier number for the seller.
@bgnr	Bgnr	0..1	*Note! Used only by Bankgirot.* The seller's BG number. Used to identify the seller in electronic invoice.
@bgcID	Identifier	0..1	*Note! Used only by Bankgirot.* Bankgirot's identity for the seller; Bankgirot's customer number.
name	Character	1	Seller's name. Verbal name. Can be the same as the company name, i.e. AB-name.
vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more information.
unitNumber	Identifier	0..n	The element is not used and Bankgirot do not account for the conversions. A unique identifier that can be used in the identification of a third party. Use primary gs1 element EANnr.
unitNumber/@type	Character	0..1	The attribut is not used and Bankgirot do not account for the conversions. For EAN/GS1 number the element gs1 should be used. Can be used to specify the type of identifier in the unit number.

dispatchUnitNumber	Identifier	0..1	The element is not used and Bankgirot do not account for the conversions. Additional seller identity. Optional value.
postalAddress	Address	0..1	Postal address. See chapter 11.8 for more information.
boardAddress	Address	0..1	Address to the Board. See chapter 11.8 below.
salesContact	Contact	0..1	Sales contact. See chapter 11.9 for more information.
mainContact	Contact	0..1	General contact details about the seller, for example phone number to the switchboard, etc. See chapter 11.9 for more information.
accounts	Accounts	1	Account details. Information provided in the footer on the invoice. See chapter 11.10 for more information.
sender	Aggregated	0..1	If the party that sent the invoice is other than the originator, such as a service agency. See chapter 8.1.2 for more information.

bank	Character	0..1	The bank affiliated with the seller. See chapter 11.12 for more information.
groupName	Character	0..1	Main group. Appears in the invoice footer.
gs1	Character	0..1	EAN number of seller. Reference: www.gs1.se
agreementID	Character	0..1	Agreement number, or agreement identity, used by the bank or other party with which the seller has an e-invoice agreement.

8.2.1 VAT details
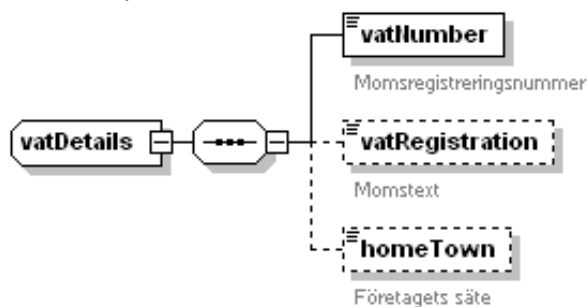
Root element		Description	
vatDetails		VAT details	
Element/attribute	**Type**	**Occurrence**	**Description**
vatNumber	Identifier	1	VAT registration number. Example: "SE556047352101"
vatRegistration	Character	0..1	VAT text, for example "Registered for corporate tax"
vatRegistration/@date	Date	0..1	When the company was registered for VAT. Format: See chapter 4.1.2
homeTown	Character	0..1	The Company's or the Board's registered address. Enter the city or municipality.

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8.2.2 Sender
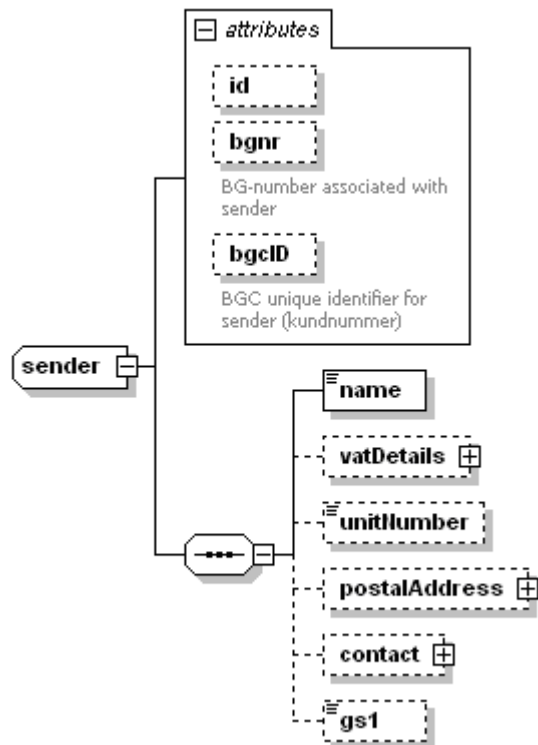
If the party that sends the invoice is a party other than the originator (creator of the invoice), details about this party can be entered in this element. This situation can occur when a service agency acts on behalf of an originator and sends the invoice.

Root element			Description
sender			Invoice distributor, if other than the originator.
Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	The sender's identity. Usually a corporate identity number.
@bgnr	Identifier	0..1	Note! Used only by Bankgirot. The sender's bank giro number.
@bgcID	Identifier	0..1	Note! Used only by Bankgirot. Bankgirot customer number for the receiver. Internal ID term – Not to be used.
name	Character	1	The sender's name
vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more info.
unitNumber	Identifier	0..1	The element is not used and Bankgirot do not account for the conversions. A unique identifier that can be used for third-party identification.
unitNumber/@type	Character	0..1	Can be used to specify the type of identifier in unitNumber. Example value: GLN Reference: www.gs1.se
postalAddress	Aggregated	0..1	Postal address. See chapter 11.8 for more information.
contact	Aggregated	0..1	Contact details. See chapter 11.9 for more information.
gs1	Character	0..1	EAN number of Invoice distributor.

8.3   Buyer
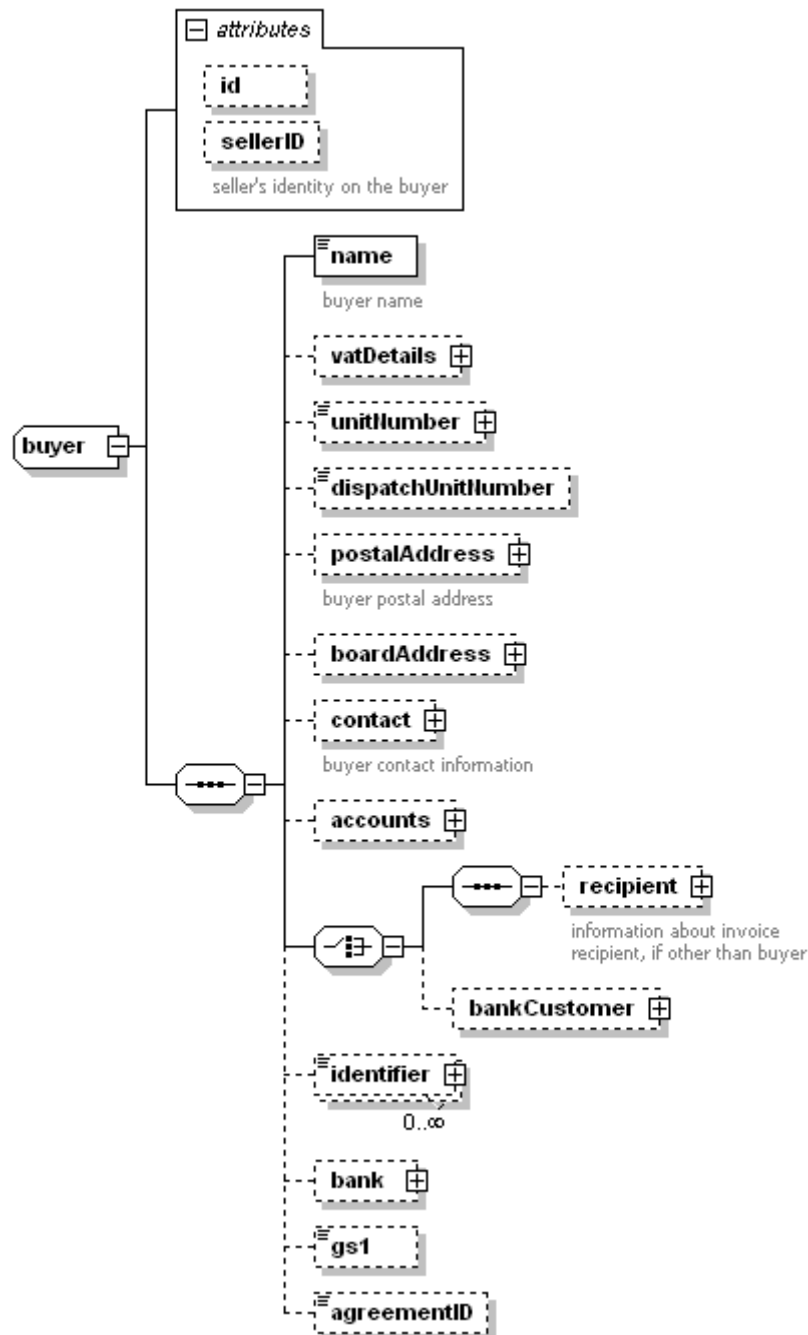
Detailed information about the buyer when the buyer is a business and will use electronic invoice.

Root element		Description	
buyer	buyer	Information about the buyer	
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The buyer's corporate identity number (electronic invoice B2B, 10 digits) or national registration number (electronic invoice B2C, 12 digits).

@sellerID	Character	0..1	The seller's own reference for the buyer. Normally a customer number (the seller's customer number for the buyer). **NOTE!** ID is used in electronic invoice when the seller's customer number for the buyer is presented.
name		1	Name of the buyer. Verbal name. Can be the same as the company name, i.e. AB name. Maximum number of characters: 200
vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more information.
unitNumber	Identifier	0..1	The element is not used and Bankgirot does not take into account the conversions. A unique identifier that can be used for third-party identification. Refers normally to GLN code (EAN)
unitNumber/@type	Character	0..1	Can be used to specify the type of identifier in unitNumber. Example value: GLN Reference: www.gs1.se
dispatchUnitNumber	Identifier	0..1	The element is not used and Bankgirot does not take into account the conversions. Further identification of the buyer. Used if several distribution engines are used to distribute the document to the buyer. Can be a localisation number, for example corp.id.no:30:routing address
postalAddress	Aggregated	0..1	Postal address. **NOTE! Bankgirot recommend the use of this for well-crafted invoice**

|			See chapter 11.8 for more information.
boardAddress	Address	0..1	Used to specify the full address of the board of the buyer. See chapter 11.8 for more information.
contact	Aggregated	0..1	Contact details. See chapter 11.9 for more information.
accounts	Aggregated	0..1	Account details See chapter 11.10 for more information.
recipient	Aggregated	0..1	The receiver of the invoice if other than the buyer. Can not be used in conjunction with a bankCustomer. **NOTE!** Only for B2B invoices
bankCustomer	Aggregated	0..1	Bank-related details about the buyer. **NOTE!** Only for B2C invoices. See chapter 8.2.2 for more information.
identifier	Identifier	0..n	NOTE! Only used by Bankgirot. Identity of the buyer, can be Bankgirot ID.
identifier/@type	Character	1	NOTE! Type of identity Values: **BG** (bank giro), **PG** (postgiro), **IBAN**
bank	Aggregerad	0..1	The bank affiliated with the buyer. See chapter 11.12 for more information.
gs1	Character	0..1	EANnr / GLNnr on the buyer
agreementID	Character	0..1	Agreement number, or agreement identity, used by the bank or other party with which the buyer has an e-invoice agreement.

8.3.1 Invoice recipient
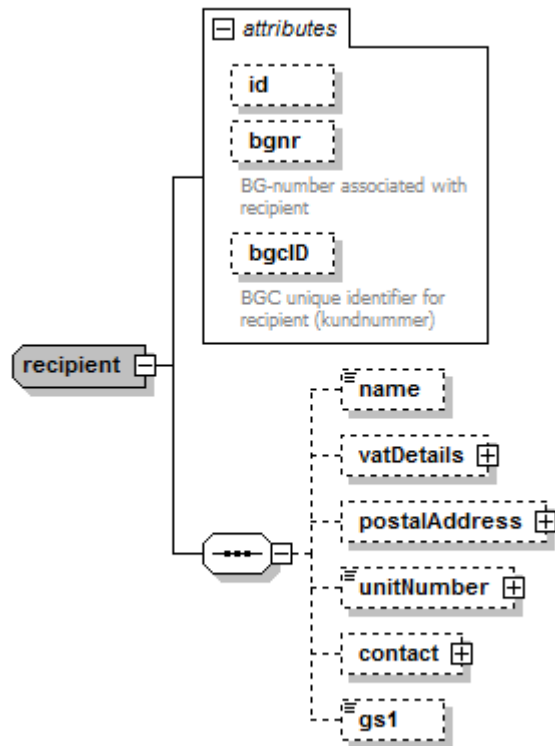
Recipient is used when the receiver of the invoice is not the same as the buyer, i.e. when the receiver is a service agency.

Root element		Description
recipient		Information about the receiver of the invoice if other than the buyer - a service agency, for instance.

Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	The recipient's corporate identity number.
@bgnr	Bgnr	0..1	The recipient's BG number. **NOTE!** Bankgirot -related information.
@bgcID	Identifier	0..1	Bankgirot's customer number for the recipient. For a service agency, this would be a service agency number. **NOTE!** Bankgirot -related information.
name	Character	0..1	Name of the recipient.

vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more information.
postalAddress	Aggregated	0..1	Postal address. See chapter 11.8 for more information.
unitNumber	Identifier	0..1	A unique identifier that can be used for third-party identification. Optional value. Refers normally to GLN code (EAN) Reference: www.gs1.se
unitNumber/@type	Character	0..1	The attribute is not used and Bankgirot do not account for the conversions. Can be used to indicate the type of identifier in the unit number.
contact	Aggregated	0..1	Contact details. See chapter 11.9 for more information.
gs1	Character	0..1	EAN number of recipient.

8.3.2 Bank customer
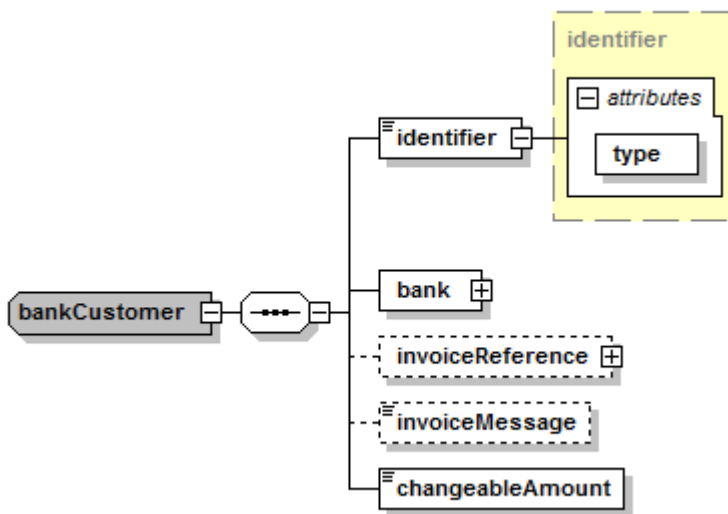
Applies only to B2C (electronic invoice business-to-consumer). If receiver uses its Internet bank to receive the document, bank-specific information must be stipulated for the receiver (buyer). Is not used for B2B.

Root element			Description
bankCustomer			Bank-related information about the receiver. **NOTE!** Only B2C invoices.
Element/attribute	Type	Occurrence	Description

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identifier	Identifier	1	The originator's identity for the receiver in the Internet bank. If an acknowledged application is used, the originator's number is assigned for the customer, i.e. "payment number" (betalarnr). Can be a national registration number, customer number or such. If an automatically receipted application is used, the identifier is the bank ID + national registration number (16 characters). Format: null fill, ragged. 16 characters, numerical.
identifier/@type	Code	1	Type of bank identity, BE, etc. Set as BE when the invoice is for B2C.
bank	Character	1	The bank affiliated with the receiver. See chapter 11.12 for more information.
invoiceReference	Character	0..1	Invoice reference. Type value: OCR number
invoiceMessage	Character	0..1	The attribute is not used and Bankgirot do not account for the conversions. Invoice Notice to be presented in the Internet bank. Eg Insurance.
changeableAmount	Boolean	1	Changeable amount. Value: **true** (yes), **false** (no)

8.3.3 Currency information
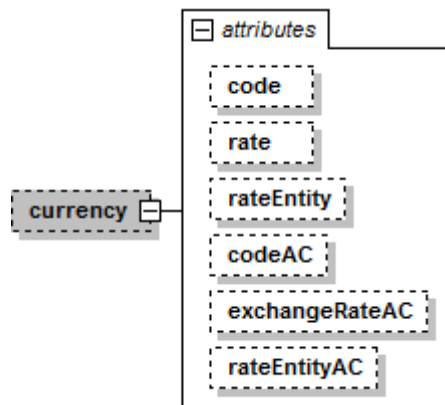
Root element		Description	
currency		Currency information	
Element/attribute	**Type**	**Occurrence**	**Description**
@code	CurCode	0..1	Valid currency code according to ISO 4217. Reference: http://www.iso.se/
@rate	Decimal	0..1	Exchange rate.
@rateEntity	Decimal	0..1	Exchange rate situation.
@codeAC	CurCode	0..1	Currency code for accounting currency.
@exchangeRateAC	Decimal	0..1	Exchange rate for accounting currency.
@rateEntityAC	Decimal	0..1	Exchange rate situation for accounting currency.

8.3.4 Print-out information

Information from the originator to the printing operator that is to print the paper invoices. If the languageCode element contains a code, a link will be presented depending on which printing operator is selected. You can read more about the electronic invoice service's standard printing operators under Product Information on Bankgirot's website, www.Bankgirot.se

Root element			Description	
printInfo			Print-out information, information to the printing operator.	
Element/ attribute	**Type**	**Occurrenc e**	**Description**	
@id	Identifier	0..1	Agreement identity, e.g., agreement number used by print bureau	
copyCode	Character	1	Number of copies to be printed. Format: Numerical	
exportFlag	Boolean	1	Indicates if it is a foreign customer. Value: **true** (yes), **false** (no) **NOTE!** If electronic invoice service's standard printing operators are used, the element should not contain a value.	
languageCode	CountryCode	1	Valid language code according to ISO 3166-1. Format: Alphabetical, 2 characters. Example values: SE (Swedish), EN (English). Default value: SE Reference: https://www.iso.org/iso-3166-country-codes.html	
originalCode	Character	1	Amount of originals to be printed. Format: Numerical	

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			NOTE! If electronic invoice service's standard printing operators are used, the element should not contain a value.
Text	Character	1	Textual description. NOTE! If electronic invoice service's standard printing operators are used, the element should not contain a value.
postage	Character	1	Postage type for distribution. Format: Alphabetical, 1 character. Type value: A (A postage), B (B postage) Default value: B (B postage)
layout	Character	1	Layout template. Type value for using electronic invoice service's standard operators. See the table for marking rules below.
acknowledgeEmail	Character	0..1	If the print bureau offers to send a receipt upon receiving and processing a printout file, it is sent to this e-mail address. After processing, the print bureau may, for example, specify the number of invoices put into envelopes and so on.
imageBase64	Aggregerad	0..1	Information about the invoice issuer's logo to be used in conjunction with printing in those cases where the logo is included on each invoice. Reference: See description below

Marking rules for template type when using one of electronic invoice service's standard printing operators.

Typical	Invoice presented	Display of OCR slip	Description
N / A (the field is left blank)	Debit Invoice, Credit note, Interest Invoice, Invoice Direct Debit	No	Default template for e-billing company. Full Text. Default.
B2B01	Debit Invoice, Credit note, Interest Invoice, Invoice Direct Debit	No	Light version of the template for e-billing company.
B2C01	Debit Invoice, Credit note, Interest Invoice, Invoice Direct Debit	Yes	Model for e-billing private. Combines the invoice specification with an OCR-slip when printing the invoice.
B2B02	Debit Invoice, Credit note, Interest Invoice, Invoice Direct Debit	No	For rental slips instead of the invoice, it avinr and instead of the customer number is the customer number /

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			person / organization number. Light version of the template for e-billing company
B2C02	Debit Invoice, Credit note, Interest Invoice, Invoice Direct Debit	Yes	For rental slips. Instead of the invoice, it avinr and instead of the customer number is the customer number / person / organization number. Model for e-billing private. With OCR-slip at the print.

8.3.5 Factoring

Information to the factoring company for use of factoring service, this item indicated the transfer text when a bill is assigned to the factoring company. The text specified in factoring / text. The text clearly states who the invoice is assigned to as well as payment, please / gironr which payment shall be made to.
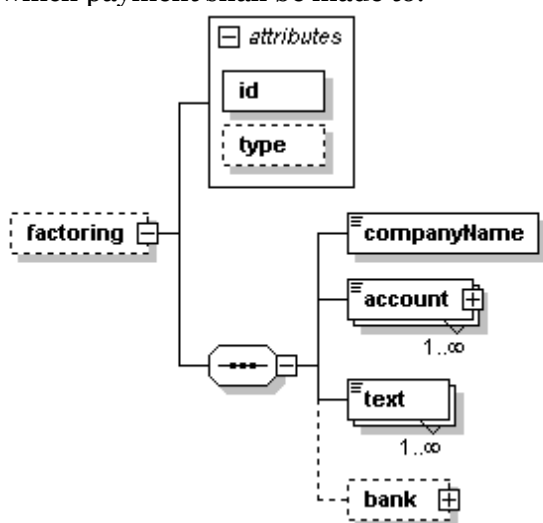
Root elements		Description	
factoring		Factoringcompany	
Element/attribute	**Type**	**Incidence**	**Description**
@id	Identifier	1	Customer number / client number of factoringcompany.
@type	Identifier	0..1	Type of borrowing. Could be different depending on which bank used
companyName	Character	1	The name of the factoringcompany.
account	Account	1..n	The name of the account number. See Chapter 11.10 for more information.
text	Character	1..n	Free text. Here is the transfer text, to whom the invoice is assigned and which account the payment will be made on that entire message to the payer.
bank	Aggregerad	0..1	Bank details. See Chapter 11.12 for more information.

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8.3.6 Total amount

The total amount for an invoice is stipulated including VAT. Additional information about the amount excluding VAT, the VAT amount itself and the amount rounded off to the nearest krona can also be provided.
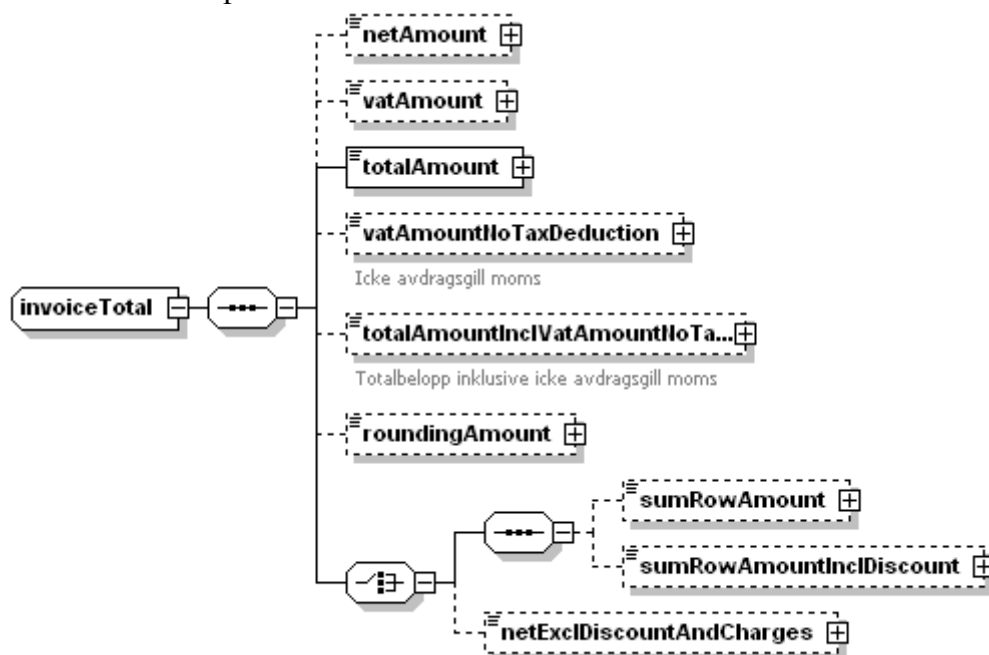
Root element	Description		
invoiceTotal	The total amount including all discounts and charges.		
Element/attribute	**Type**	**Occurrence**	**Description**
netAmount	Amount	0..1	The amount minus VAT. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount. **NOTE!** If this element is used, the same value must also be entered in invoiceDetails/vatAmount. See chapter 11.7 for more information.
totalAmount	Amount	1	The total amount including VAT. See chapter 11.2 for more information.
roundingAmount	Amount	0..1	Amount rounded off to the nearest krona. See chapter 11.2 for more information.
sumRowAmount	Amount	0..1	Sum of the invoice rows before discount, charges and VAT.

			Alternative to netExclDiscountAndCharges.
sumRowAmountInclDiscount	Amount	0..1	Sum of the invoice rows including discount. Alternative to netExclDiscountAndCharges.
netExclDiscountAndCharges	Amount	0..1	The amount minus VAT, discounts and charges. See chapter 11.2 for more information.

8.3.7   Reference to the pricelist
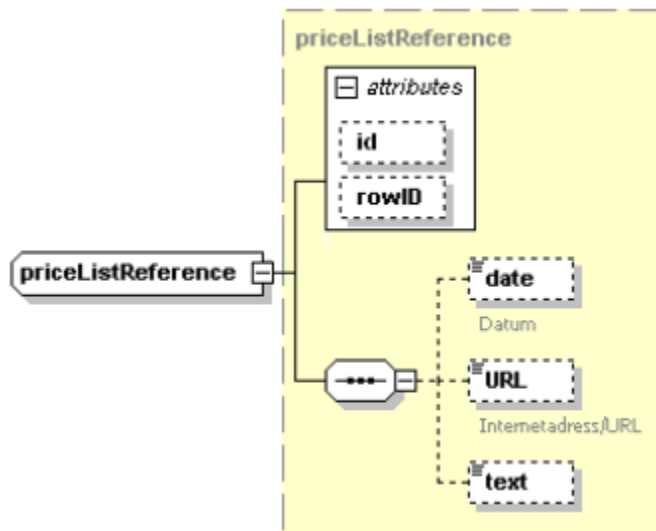
Root element		Description	
priceListReference		Reference to the pricelist	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The seller's pricelist number.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	Date of the pricelist. Format: See chapter 4.1.2
URL	URL	0..1	Web link to the pricelist.
text	Character	0..1	Free text description.

8.3.8   Reference to tender
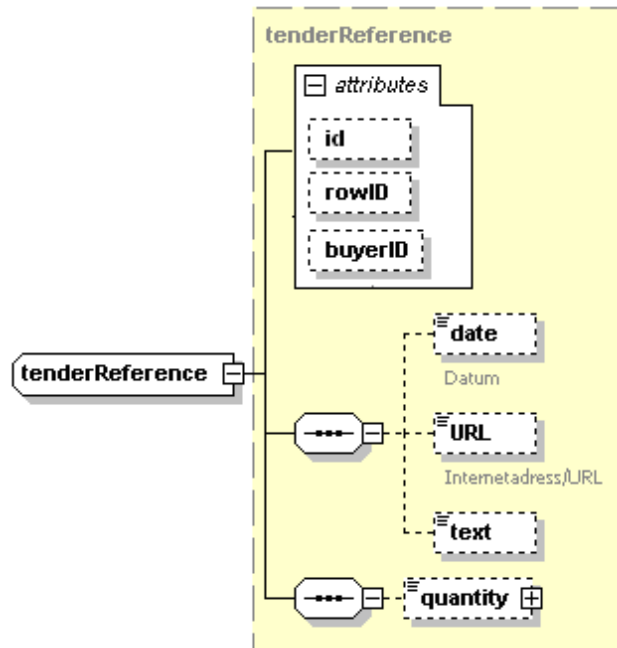
Root element		Description	
tenderReference		Reference to tender	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The seller's tender number.
@buyerID	Identifier	0..1	The buyer's tender number.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	Date of the tender. Format: See chapter 4.1.2
URL	URL	0..1	Web link to the tender details.
text	Character	0..1	Free text description.
quantity	Quantity	0..1	Number of articles of the quotation. See section 11.3 for more information

8.3.9   Reference to order
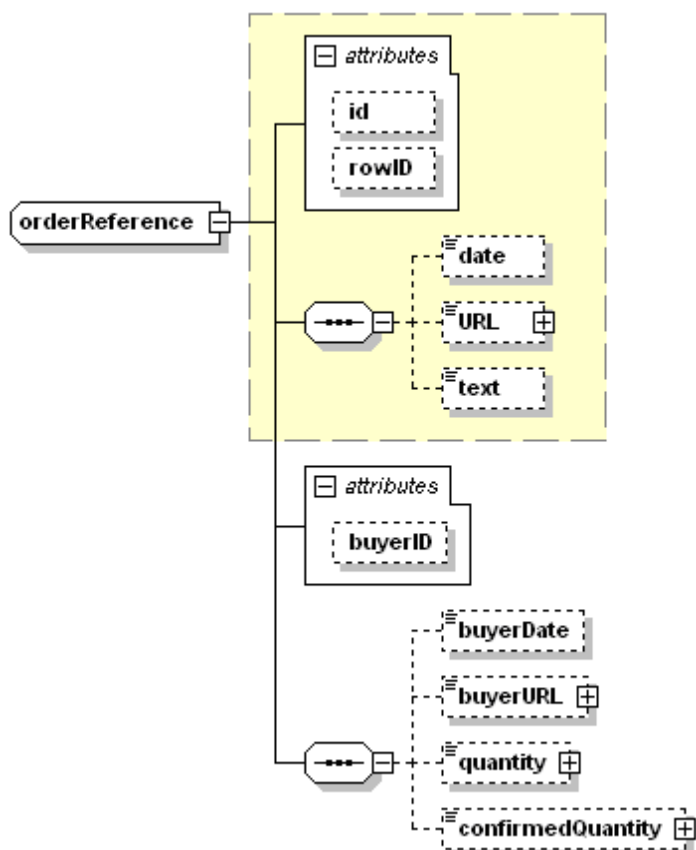
Root element		Description	
orderReference		Reference to order	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The seller's order number.
@buyerID	Identifier	0..1	The buyer's reference on the order.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	Date of the order. Format: See chapter 4.1.2
URL	URL	0..1	Web link to the order.
text	Character	0..1	Description of what is covered in the order.
buyerDate	Date	0..1	Buyer's order date. Format: See chapter 4.1.2
buyerURL	URL	0..1	Buyer's web link to the order.
quantity	Quantity	0..1	Ordered quantity. See chapter 11.3 for more information
confirmedQ uantity	Quantity	0..1	Confirmed number, that is the number that the vendor can deliver.

			See section 11.3 for more information.

8.3.10 Referens till restorder
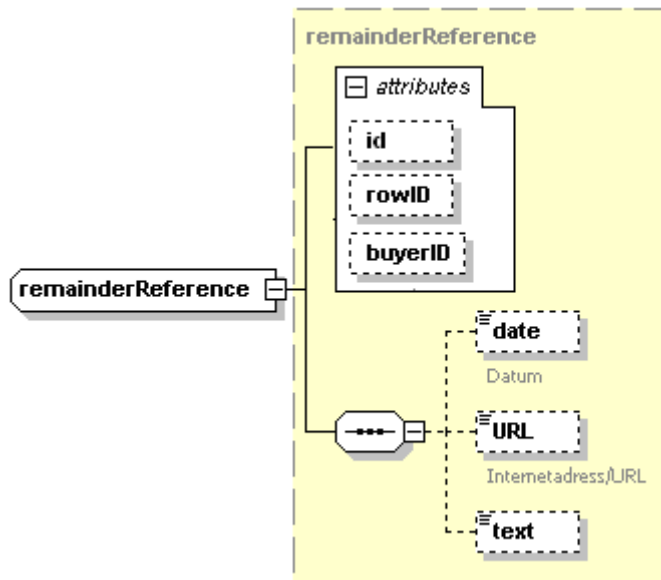
Root element		Description	
remainderReference		RemainderReference	
Element/attribut	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	Seller restordernummer.
@buyerID	Identifier	0..1	Buyer referens to restordern.
@rowID	Identifier	0..1	Pointing to a row/section.
date	Date	0..1	Restorderdate. Format: See chapter 4.1.2
URL	URL	0..1	Web link to the restorder.
text	Character	0..1	Description of what is covered in the restorder.

8.3.11 Reference to invoice
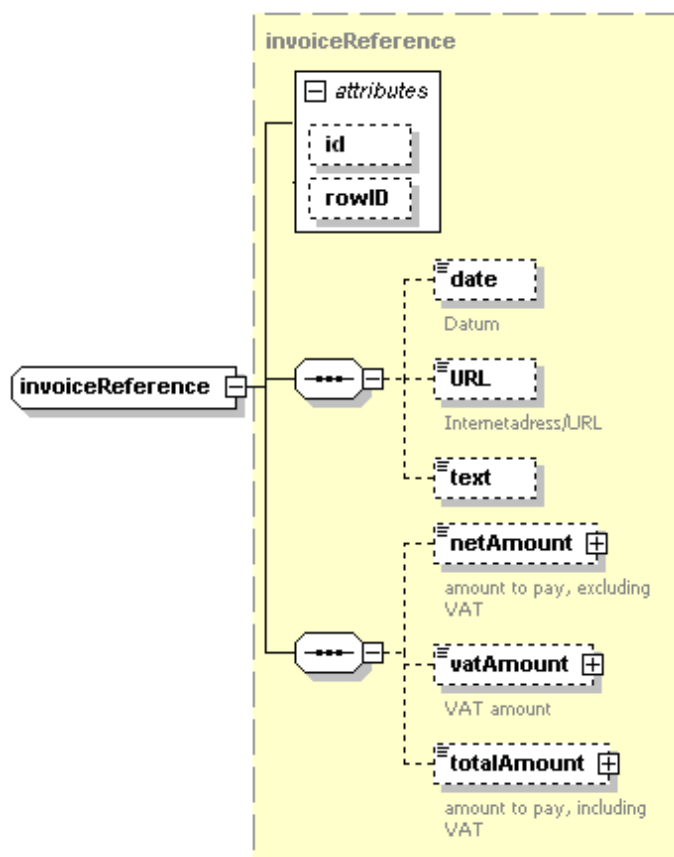
A invoice or invoice row can have a reference to a previously created invoice.

Root element		Description
invoiceReference		Reference to the previously created invoice

Element/attribute	Typ	Occurrence	Description
@id	Identifier	0..1	Identity of the invoice, the invoice number.
@rowID	Identifier	0..1	Pointing to a row / section
date	Date	0..1	Invoice date Format: See chapter 4.1.2
URL	URL	0..1	Web link to the invoice
text	Character	0..1	Free text description.
netAmount	Amount	0..1	Amount without VAT for the initial invoice. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount of the original invoice. See chapter 11.7 for more

			information.
totalAmount	Amount	0..1	Totalbelopp med moms för den ursprungliga fakturan. See chapter 11.2 for more information.

8.3.12 Reference to agreement
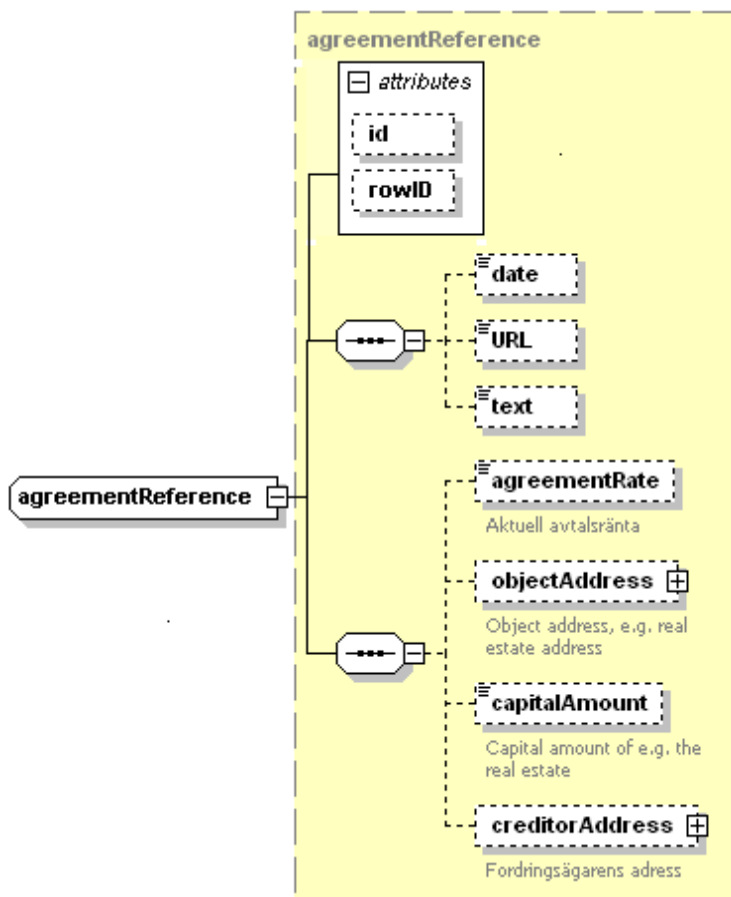
Root element		Description	
agreement Reference		Reference to agreement	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	Seller's identity to the contract, such as contract number.
@rowID	Identifier	0..1	Pointing to a row / section in the agreement.
@buyerID	Identifier	0..1	Buyer's reference to the contract

date	Date	o..1	Date of the contract, when the contract was established.
URL	URL	o..1	Web link to the agreement.
text	Character	o..1	Free text description.
agreement Rate	Decimal	o..1	The current contract rate.
objectAddr ess	Address	o..1	Object address as the property address.
capitalAm ount	Amount	o..1	Capital value of the items as the property.
creditorAd dress	Address	o..1	Creditors owner's address.

8.3.13 Web request
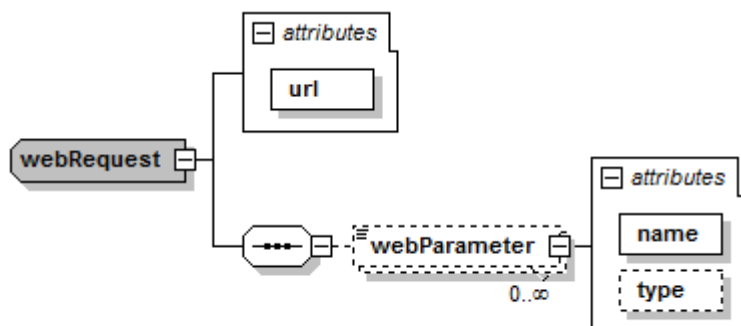
Root element	Type	Description	
webRequest		Web request	
Element/attrib ute	Type	Occu rren ce	Description
@url	URL	1	The web link that is the reference for the request.
webParameter	Character	o..n	The parameter values' connection to the link.
webParameter/@ name	Identifier	1	The name of the parameter to the link.
webParameter/@ type	Code	o..n	Type of request parameter. Examples of values: string, date etc.

8.3.14 Image references
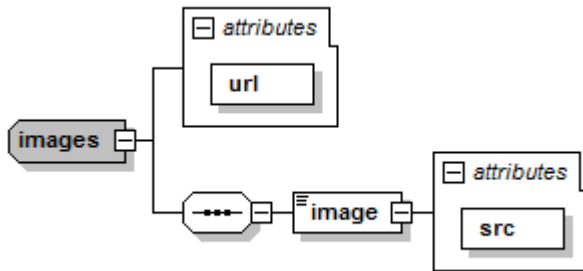
The element specifies any relevant images that exist instead of the invoice specification.

Root element			Description	
images			Image references	
Element/attribute	**Type**	**Occurrence**	**Description**	
@url	URL	1	Link to an image archive.	
image/@src	Character	0..n	Name of the image.	

8.3.15 Expenses
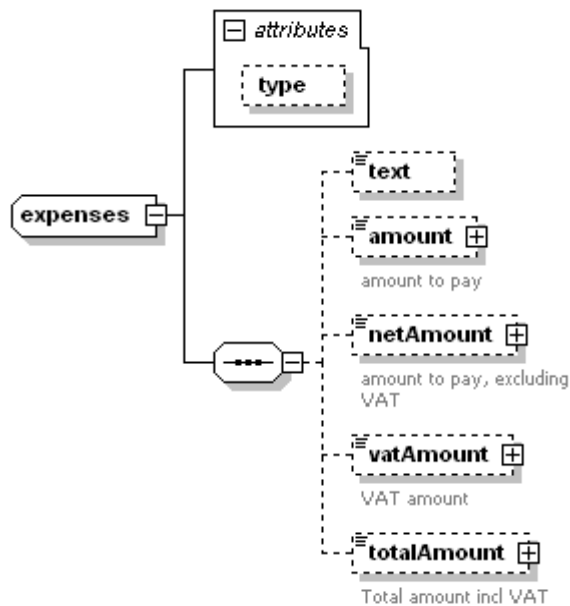
Root element			Description	
expenses			Extra costs.	
Element/attribute	**Type**	**Occurrence**	**Description**	
@type	code	0..1	Type of extra cost. Arbitrary codes. Examples of values: **HandlingCharges** (exp. charges), **EnergyTax** (energy taxes),	

			PackingCharges (packaging) etc.
text	Character	0..1	Free text, for example packaging, pallet fees, etc.
netAmount	Amount	0..1	The amount of charges minus VAT. See chapter 11.2 for more information.
netAmount/@percent	Decimal	0..1	Percentage rate. Charge as percentage of base amount.
vatAmount	vatAmount	0..1	VAT amount. See chapter 11.7 for more information.
totalAmount	Amount	0..1	Total amount including VAT for additional costs.
baseAmount	Amount	0..1	Base amount excluding VAT on which the charge is calculated.

8.3.16 Rules and regulations
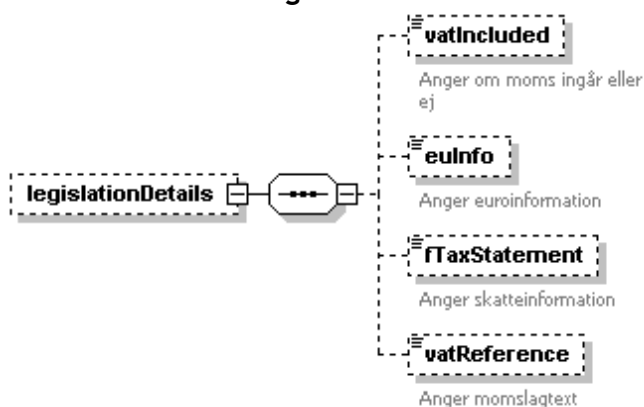
Root element			Description
legislationDetails			Information about rules and regulations.
Element/attribute	**Type**	**Occurrence**	**Description**
vatIncluded	Character	0..1	Stipulates if VAT is included or not.
euInfo	Character	0..1	Stipulates information about Euro.
fTaxStatement	Character	0..1	Stipulates information about taxes.
vatReference	Character	0..1	Stipulates VAT Act text in effect since 1 Jan 2004.

8.3.17 Discount information
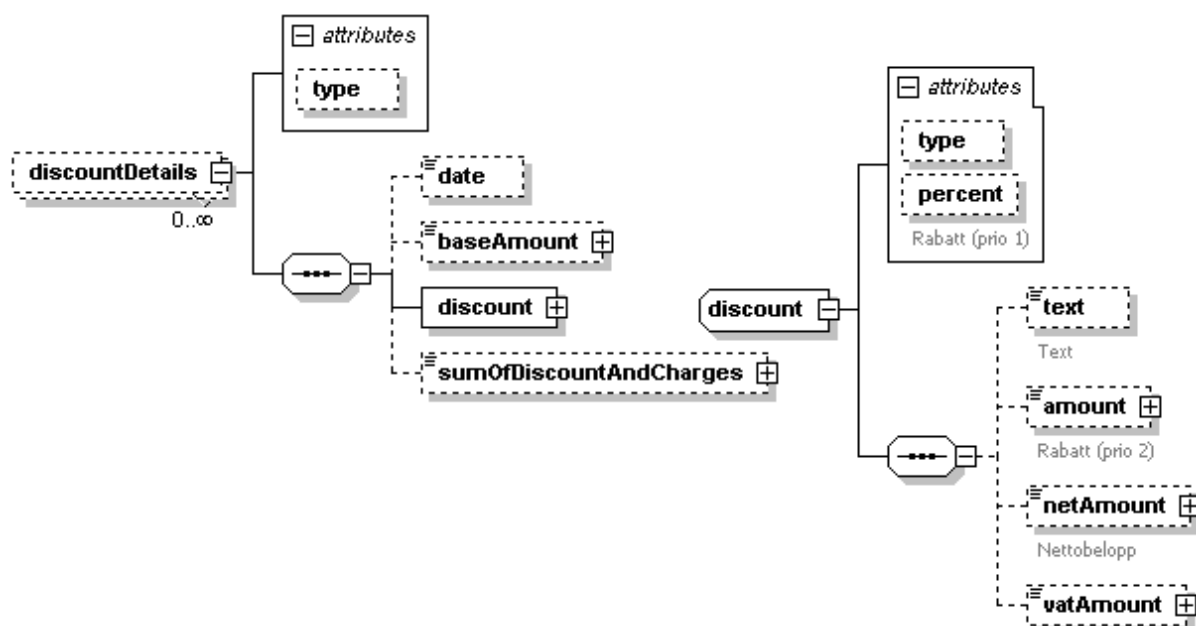
Root element	Description
discountDetails	Information about discounts.

Element/attribute	Type	Occurrence	Description
date	Date	0..1	The discount granted if payment is made before this date. Format: See chapter 4.1.2
baseAmount	Amount	0..1	The amount of the granted discount (net). See chapter 11.2 for more information.
discount	Aggregated	1	Discount.
sumOfDiscountAndCharges	Amount	0..1	Total discount. See chapter 11.2 for more information

Root element	Description
discount	Discount Details

Element/attribute	Type	Occurrence	Description
@type	code	0..1	Type of discount in code format. Arbitrary value.
@percent	Decimal	0..1	Discount rate.
text	Character	0..1	Free text description of the discount.

amount	Amount	0..1	The discount as an amount. **NOTE!** If the amount is stipulated, the discount must also be stipulated as a percent rate. See chapter 11.2 for more information
netAmount	Amount	0..1	Discount minus VAT, net amount. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount on the discount. See chapter 11.7 for more information.

8.3.18 Freight information
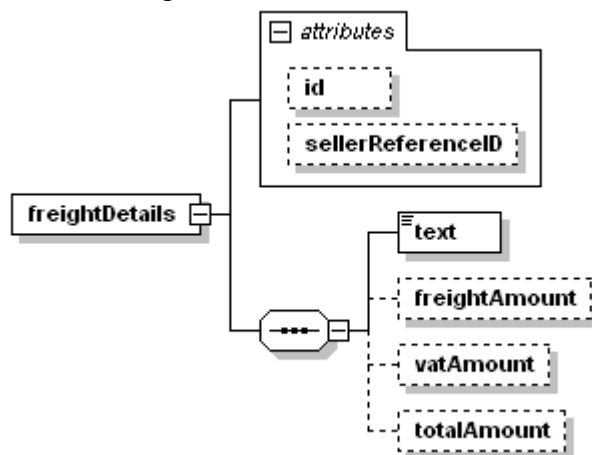
Root element			Description
freightDetails			Information about freight

Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	This attribute is not used and Bankgirot does not take into account the conversions. Use delivery / @ id Delivery Reference Number. Ex. wayBillReference
@sellerReferenceID	Identifier	0..1	This attribute is not used and Bankgirot does not take into account the conversions. Use delivery / note number Delivery note number.
text	Character	1	Free text about the freight.
freightAmount	Amount	0..1	Net amount. Freight costs. See chapter 11.2 for more information.
vatAmount	vatAmount	0..1	VAT amount for freight. See chapter 11.7 for more information.
totalAmount	Amount	0..1	Total amount including VAT for freight costs.

8.3.19 Projectinformation
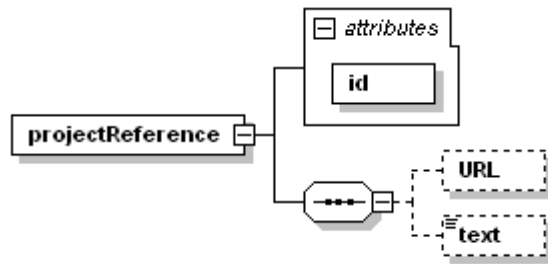
Root element		Description	
projectReference		Project information	
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	1	Project number
URL	URL	0..1	Web link to additional project information.
text	Character	0..1	Free text description of the project

8.3.20 Enclosures
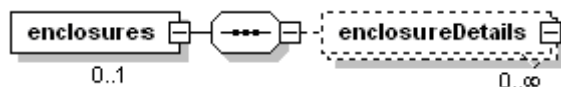
This is used to present enclosures to the invoices. EnclosureDetails (excl. encodedObjekt) is used when the invoice issuer supplies their own presentation/access of enclosures on a server. EncodedObject is used when you want to attach your enclosure to the invoice as an encoded object.

Root element		Description	
enclosures		enclosures	
Element/attribute	**Typ**	**Occurrence**	**Description**
enclosureDetails	Aggregated	0..n	The enclosure

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Root element	Description			
enclosureDetails	enclosure			
Element/attribute	**Type**	**Occurrence**	**Description**	
@mimeCode	Identifier	1	Mime code. E.g., image/jpeg. Other registered types can be found here: http://www.iana.org/assignments/media-types/index.html	
@type	Identifier	0..1	Option to specify the type of enclosure. | **Value**	**Description**
CT	Agreement/ Contract
ACD	Supplier´s ref. to invoice object		

			DQ	Delivery note
			ATS	URN of image (equiv.) associated with invoice. E.g. scanned image
			ORGI NAL	Invoice image such for example as a pdf
			LOGO TYPE	Logotype
			SCAN NED	Scanned document
name	Chara cter	0..1	Name of enclosure. Presented to user.	
date	Date	0..1	Date when the enclosure was created.	
URL	URL	0..1	Link (incl. http or https) to the enclosure or portal where the enclosure is stored. E.g.: http://www.bilageportalen.se/request.asp. NOT! used together with encodedObject.	
id	Chara cter	0..1	Document name, image name or other ID of the enclosure required to identify a unique document. E.g.: *enclosure1234.pdf* or *enclosure1234*. Used by the recipient, together with username and password, to automatically find the right enclosure. This information is included as a querystring with the id field. NOT! used together with encodedObject.	
username	Chara cter	0..1	The user name used to access the enclosure in a portal that requires a user name and password. NOTE! This is automatically sent as an e-mail (HTML format).	
password	Chara cter	0..1	The password used to access the enclosure in a portal that requires a user name and password. This is automatically sent as an e-mail (HTML format).	
encodedObject	Aggre gerad	0..1	Contains the actual enclosure, sent with base64 encoding. An alternative to using URL, id, username and password.	

8.3.21 Enclosures encoded in Base64

Objects in binary or other formats that cannot be represented directly using normal alphanumeric characters must be recoded for transfer in the XML document. Here the Base64

method is used to convert the binary file into a format that can be transferred in an XML document.

> **Base64** *Base64 encoding, as specified in RFC 2045 - MIME uses a 64-character subset (A-Za-z0-9+/) to represent binary data and = for padding. Base64 processes data as 24-bit groups, mapping this data to four encoded characters. It is sometimes referred to as 3-to-4 encoding. Each 6 bits of the 24-bit group is used as an index into a mapping table (the base64 alphabet) to obtain a character for the encoded data. According to the MIME specification the encoded data has line lengths limited to 76 characters, but this line length restriction does not apply when transmitting binary data as part of XML document.*

For more information about Base64, see the following link:
http://www.ietf.org/rfc/rfc2045.txt

Rubrik 6.8. Base64 Content-Transfer-Encoding.

Root element	Description		
encodedObject	Base64-encoded enclosure		
Element/ attribute	**Type**	**Occurr ence**	**Description**
@objectID	Identifier	1	ObjectID is used to identify the external object. The value makes the image unique to the invoice. Several external objects can be packaged in the same enclosureDetails. The recommendation is to package all external references of a business document in the same encodedObject.
@format	Identifier	1	Set to the value "BASE64".
@filename	Identifier	1	The filename of the object. E.g.: *image1.jpg* When the *filename* attribute is used, for security reasons the recipient should always check that the file extension agrees with the specified MIME code.
data	Character	1	The Base64-coded object data is stored here. Note that there is a document size limit. See chapter 6.1 for more information.

8.4 Payment information

Payment is used to present payment information in the electronic invoice business-to-consumer (B2C) service. The information/object is not used to generate payment details in electronic invoice business-to-business (B2B) service, which instead uses the EPI element. Reference: See chapter 8.8.
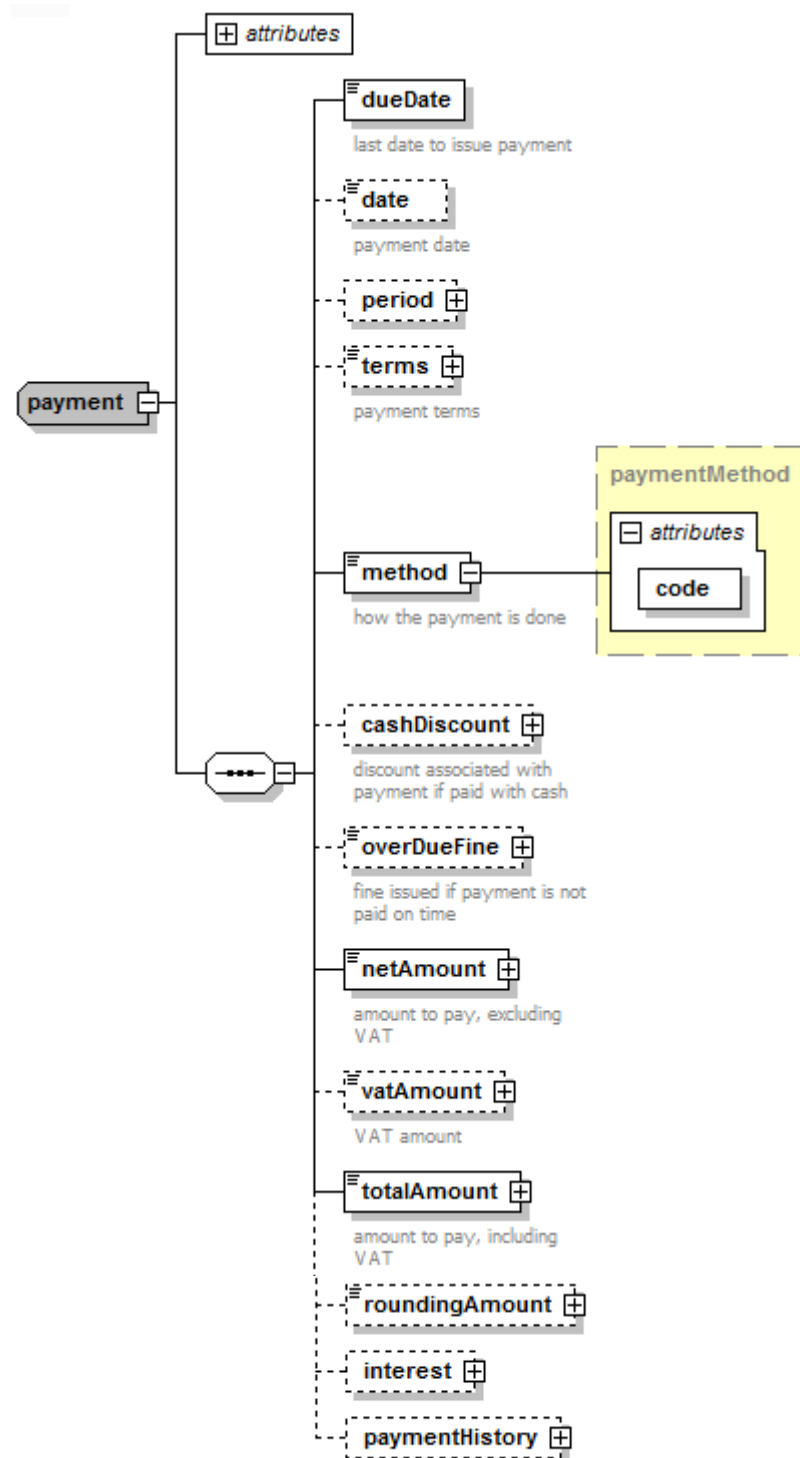
Root element	Description

payment			Payment information
Element/attrib ute	**Type**	**Occurre nce**	**Description**
@status	Characte r	0..1	This attribute is not used and Bankgirot takes no account of the conversions. Payment status. Type values: **paid**, **partly_paid** or **unpaid**
dueDate	Date	1	Due date, the latest date by which the invoice is to be paid. **NOTE!** This due date is sent to the Internet bank when the invoice is for B2C.
date	Date	0..1	This element is not used and Bankgirot takes no account of the conversions. Date of payment if the payment status is "paid" or "partly_paid".
period	Period	0..1	This element is not used and Bankgirot takes no account of the conversions. Payment period. Format: See chapter 11.1
terms	Terms	0..1	Payment terms. See chapter 11.5 for more information.
method/@code	Method	1	Method of payment. Value: EG. See chapter 11.6 for more information.
cashDiscount	Aggregat ed	0..1	This element is not used and Bankgirot takes no account of the conversions. Discount terms for speedy or cash payment. See chapter 8.4.1 for more information.
overDueFine	Characte r	0..1	Overdue terms, the terms that apply in case payment of the invoice is delayed. Write in plain language what

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			should be presented to the customer, for example 8% + reference interest.
overDueFine/@rate	Decimal	0..1	Penalty interest.
netAmount	Amount	1	Net amount, minus VAT. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount. Same amount as in invoiceDetails/invoiceTotal/vatAmount See chapter 11.7 for more information.
totalAmount	Amount	1	Total amount, including VAT. Same amount as in invoiceDetails/invoiceTotal/totalAmount See chapter 11.2 for more information.
roundingAmount	Amount	0..1	Rounded off to the nearest krona. See chapter 11.2 for more information.
interest	Aggregated	0..1	Interest information. See chapter 8.4.4 for more information.
paymentHistory	Aggregated	0..1	This element is not used and Bankgirot takes no account of the conversions. Information about previously made installments. See chapter 8.4.2 for more information.

8.4.1 Cash payment
A discount can be offered if the invoice is paid within the stipulated time.
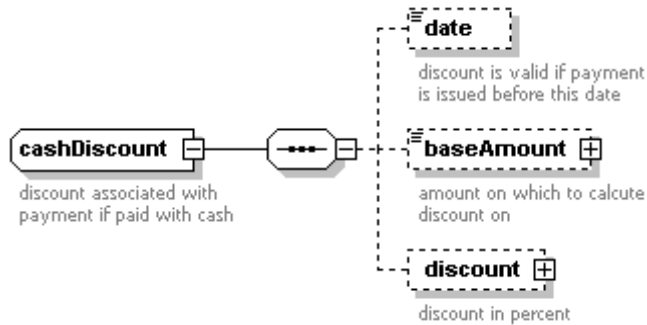
Root element		Description	
cashDiscount		Cash payment	
Element/attribute	**Type**	**Occurrence**	**Description**
date	Date	0..1	Due date for cash payment.
baseAmount	Amount	0..1	Original amount. See chapter 11.2 for more information.
discount	Aggregated	0..1	Discount. See chapter 8.3.12 for more information.

8.4.2 Previous installments
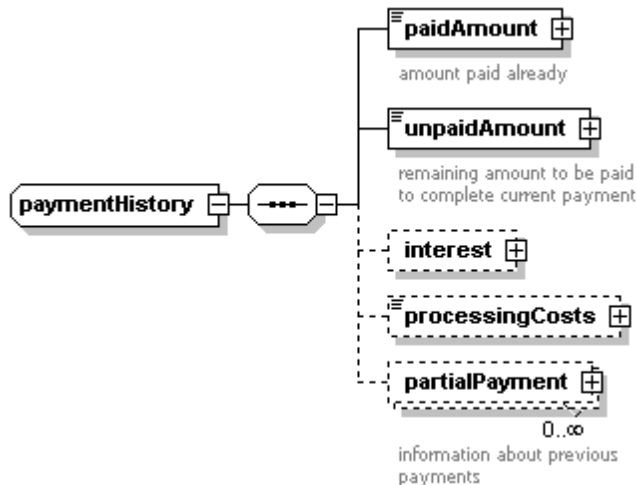
Root element		Description	
paymentHistory		Information about previous installments.	
Element/attribute	**Type**	**Occurrence**	**Description**
paidAmount	Amount	1	Amount paid to date. See chapter 11.2 for more information.
unpaidAmount	Amount	1	Amount that remains to be paid.

			See chapter 11.2 for more information.
interest	Aggregated	0..1	Interest. See chapter 8.4.4 for more information.
processingCosts	Amount	0..1	Administrative fees. See chapter 11.2 for more information.
partialPayment	Aggregated	0..n	Installments. See chapter 8.4.3 below.

8.4.3 Installments
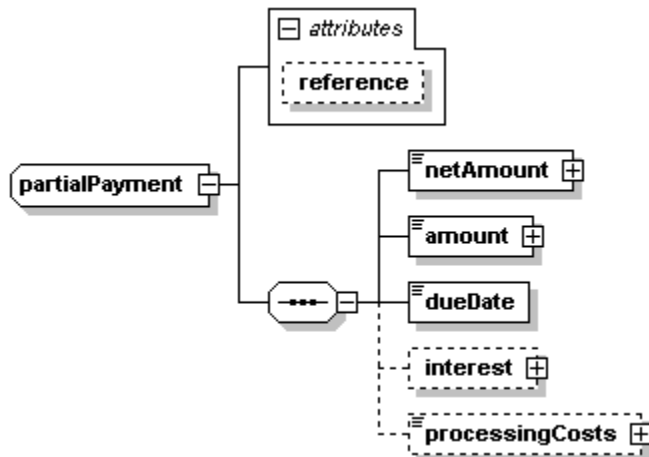
Root element			Description	
partialPayment			Installment	
Element/attribute	**Type**	**Occurrence**	**Description**	
@reference	Identifier	0..1	Payment reference.	
netAmount	Amount	1	Amount minus VAT.	
amount	Amount	1	Total amount including VAT.	
dueDate	Date	1	Due date.	
interest	Aggregated	0..1	Interest See chapter 8.4.4 for more information.	
interest/@rate	Decimal	1	Interest rate.	
interest/amount	Amount	0..1	Interest amount.	
processingCosts	Amount	0..1	Administrative fees.	

8.4.4 Interest information
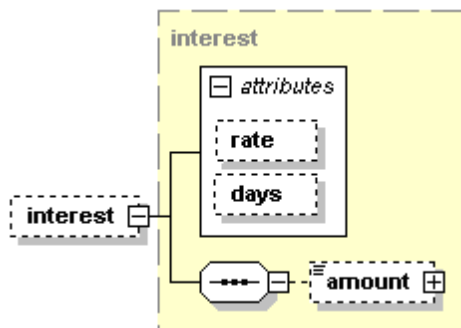
Root element	Description
interest	Interest information

Element/ attribute	Type	Occurrence	Description
@rate	Decimal	0..1	Interest rate.
@days	Integer	0..1	Number of days for which interest must be paid.
amount	Amount	0..1	Interest amount.

8.5   Delivery information

Information about the delivery, for example for a freight company. It is stipulated if the delivery is connected to a specific date. If the delivery is related to a certain period, the starting and closing dates of the delivery must be specified – used in invoices for power consumption, for instance.

Root element			Description
delivery			Delivery information for a freight company, for instance.
Element/ attribute	Type	Occurrence	Description
@id	Identifier	0..1	Delivery reference number. For example, a waybill number. The waybill is a description of the amount of delivered packages included in at least one delivery. Reference: http://www.terms.ks.se/beg232 .htm
noteNumber	Identifier	0..1	Delivery note number. The delivery note is a summary of the delivery note rows that

				are linked to a certain delivery and describes everything the supplier considers delivered.
date	Date	0..1		Delivery date. NOTE! Can not be used in conjunction with the period. If no delivery date is specified then the invoice date also will be construed as the delivery date.
period	Period	0..1		Delivery period. NOTE! Can not be used in conjunction with the date. See chapter 11.1 for more information.
method	Method	0..1		Method of delivery, such as postal service. See chapter 11.6 for more information.
terms	Terms	0..1		Delivery terms Example values: **Ex warehouse** See chapter 11.5 for more information.
deliveree	Aggregated	0..1		The receiver of the invoiced service/product, if other than the buyer. **NOTE!** Only for B2B invoices See chapter 8.5.1 below.
logistics	Aggregated	0..1		Shipping and forwarding agent. See chapter 8.5.2 for more information.
installation Address	Address	0..1		Installation address. If a goods terminal is used, the terminal address is entered in this field. See chapter 11.8 for more information.
manufacturer	Aggregerad	0..1		Information about the manufacturer. See chapter 8.6.2 for more information.

8.5.1 Deliveree
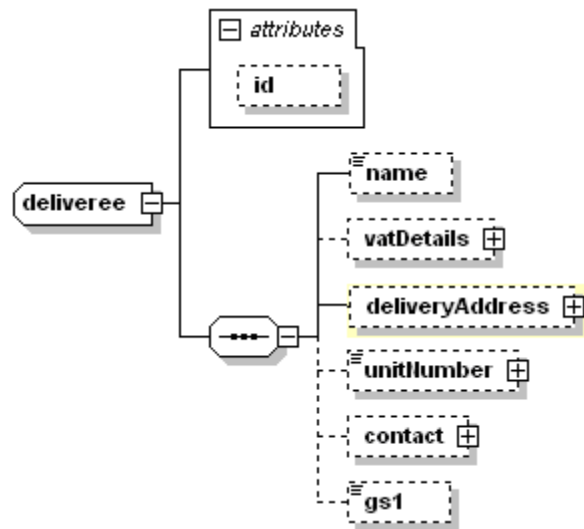
Information if the addressee's address details is different than the buyer's details, for instance for a factoring company.

Root element	Description
deliveree	Information about the invoiced receiver of the service/product if other than the buyer.

Element/attribute	Type	Occurrence	Description
@id	Character	0..1	The deliveree's corporate identity number.
name	Character	0..1	Name of the deliveree.
vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more information.
deliveryAddress	Aggregated	0..1	Delivery address. See chapter 11.8 for more information.
unitNumber	Character	0..1	A unique identifier that can be used for third-party identification. Refers normally to GLN code (EAN) Reference: www.gs1.se
unitNumber/@type	Character	0..1	Can be used to specify the type of identifier in unitNumber. Example value: GLN Reference:

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			www.gs1.se
contact	Aggregated	0..1	Contact details **NOTE!** Bankgirot - related information. See chapter 11.9 for more information.
gs1	Character	0..1	EAN number of the delivery recipient.

8.5.2   Shipping and forwarding agent
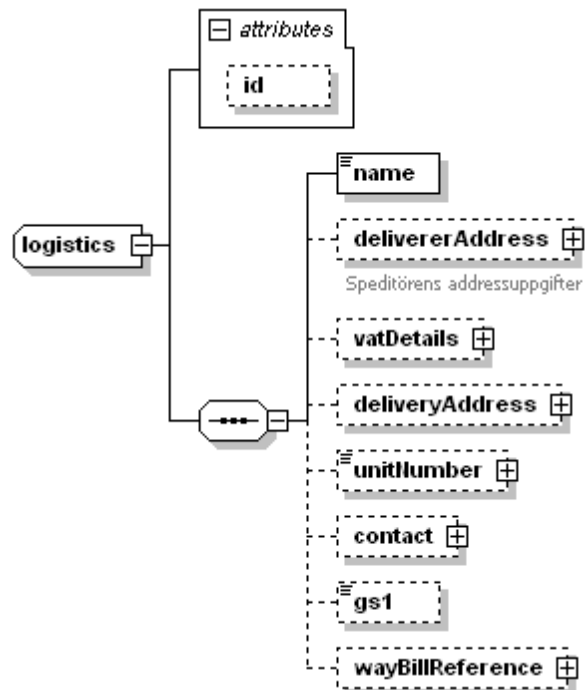
Information about the party that made the delivery, i.e. the shipping and forwarding agent.

Root element			Description	
logistics			Information about the shipping and forwarding agent.	
Element/attribute	**Type**	**Occurrence**	**Description**	
@id	Character	0..1	The agent's corporate identity number.	
name	Character	1	Name of the shipping and forwarding agent.	
delivererAddress	Aggregerad	0..1	The shipping agent's address details	
vatDetails	Aggregated	0..1	VAT details.	
deliveryAddress	Aggregated	0..1	Delivery address.	

unitNumber	Char acter	0..1	The element is not used and Bankgirot do not account for the conversions. A unique identifier that can be used in the identification of a third party. Use primary gs1 element EANnr.
unitNumber/@ty pe	Char acter	0..1	The attribute is not used and Bankgirot do not account for the conversions. Can be used to indicate the type of identifier in the unit number. Ex. the value: GLN Reference. www.gs1.se
contact	Aggr egat ed	0..1	Contact details See chapter 11.9 for more information.
gs1	Char acter	0..1	EAN number of shipping agent.
wayBillReference	Aggr egat ed	0..1	The element is not used and Bankgirot do not account for the conversions. Use delivery/@id See chapter 8.5.3 below.

8.5.3 Waybill reference
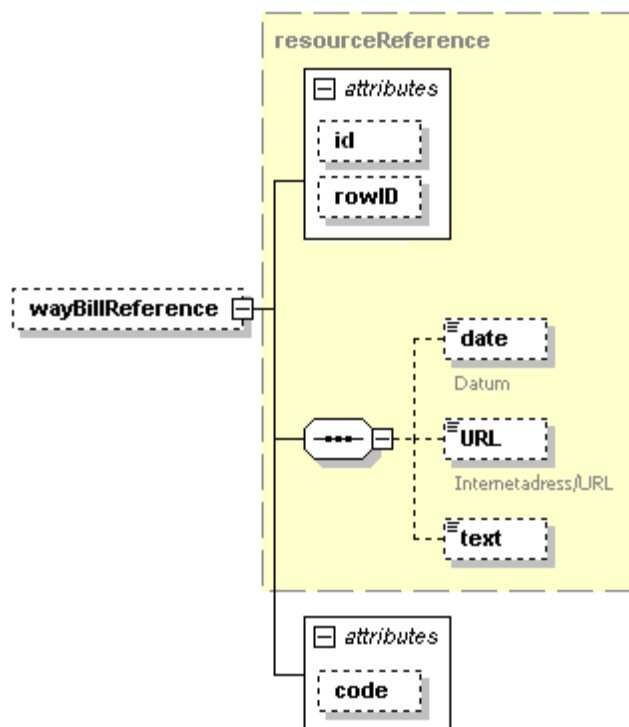
Root element		Description	
wayBillReference		Waybill reference	
Element/att	Type	Occurren	Description

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ribute		ce	
@id	Identifier	0..1	Reference number.
@rowID	Identifier	0..1	Reference to a row in the waybill.
@code	Code	0..1	Internal waybill code.
date	Date	0..1	Print date of waybill.
URL	URL	0..1	Web link to waybill
text	Character	0..1	Free text, alt goods marking.

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8.6 Invoice rows

An invoice can contain several invoice rows. An invoice row can be a specification for a row, as in telecominvoices.

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Root element		Description	
invoiceRow		Invoice row	
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	Gives the invoice row a unique identity.
@groupID	Identifier	0..1	The attribute is not used and Bankgirot do not account for the conversions. Group ID for the invoice rows. Used to group the rows in labelled sections.
@type	code	0..1	The attribute is not used and Bankgirot do not account for the conversions. Type of invoice row. Example values: **article**, **text**, **info**, **summary**, **interest,** etc.
article	Aggregated	0..1	Product article. See chapter 8.6.1 for more information.
text	Character	0..1	Free text name for the invoiced service or product.
rowOrderReference	Aggregated	0..1	Reference to the order on which invoicing is based. See chapter 8.6.3 for more information.

rowPriceListReference	Aggregated	0..1	Reference to the pricelist on which invoicing is based. See chapter 8.6.4 for more information.
rowTenderReference	Aggregated	0..1	Reference to the tender on which the order is based. See chapter 8.6.5 for more information.
rowDeliveryReference	Aggregated	0..n	Reference to one or more deliveries of the service/product. See chapter 8.6.6 for more information.
rowRemainderReference	Aggregated	0..1	Reference to outstanding order. See chapter 8.6.7 for more information.
rowInvoiceReference	Aggregated	0..1	Reference to the original invoice. See chapter 8.6.8 for more information.
rowPaymentReference	Aggregated	0..1	The attribute is not used and Bankgirot do not account for the conversions. Reference to previous payment information. See chapter 8.6.9 for more

			information.
rowDocumentReference	Aggregated	0..1	Reference to other arbitrary document.

See chapter 11.11 |
| period | Period | 0..1 | The period to which the invoicing refers.

See chapter 11.1 for more information. |
| quantity | Quantity | 0..1 | Delivered quantity.

The number of units of the relevant service or product.

See chapter 11.3 for more information. |
| deliveredQuantity | Quantity | 0..1 | Delivered quantity. |
| unitPrice | Amount | 0..1 | Unit price.

See chapter 11.2 for more information. |
| shortProposedAccount | Identifier | 0..1 | The attribute is not used and Bankgirot do not account for the conversions.

Brief proposal to the payment account |
| normalProposedAccount | Identifier | 0..1 | The attribute is not used and Bankgirot do not account for the conversions. |

			Normal proposal to the payment account
costCenter	Character	0..1	Cost centre
discount	Aggregated	0..1	Discount. See chapter 8.3.12 for more information.
discount/@percent	Decimal	0..1	Discount rate for the invoice row.
discount/amount	Amount	0..1	Discount amount for the invoice row.
netAmount	Amount	0..1	Amount for the row minus VAT and the discount deducted. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount for the invoice row. See chapter 11.7 for more information.
vatAmount/@currency	Code	1	Currency code. The attribute is mandatory at line level.
totalAmount	Amount	0..1	Total amount, amount including VAT for the invoice row. See chapter 11.2 for more information.
expenses	Aggregated	0..1	Extra costs. See chapter 8.3.10 for more information.
currencyRate	Amount	0..1	Exchange rate.

			See chapter 11.2 for more information.
deliveryNoteNumber	Character	0..1	Delivery note number.
delivererID	Character	0..1	ID of transport company (e.g., company number)
delivererName	Character	0..1	Name of transport company.
wayBillReferenceID	Character	0..1	Reference to waybill.
agreementID	Character	0..1	Agreement reference.
agreementURL	URL	0..1	Link to agreement.
subInvoiceRow	Aggregated	0..n	The element is not used and Bankgirot do not account for the conversions. Sub-rows to the invoice rows. Example: Vegetable is entered in invoiceRow, cucumber, bell pepper, etc in subInvoiceRow. subInvoiceRow has the same aggregate as invoiceRow. See chapter 8.6 and the figure below for more information.

8.6.1 Product article

Product information for goods or service. Use **either** *article* or *text* for row description of the product. *Text* is used for a textual description of the product.
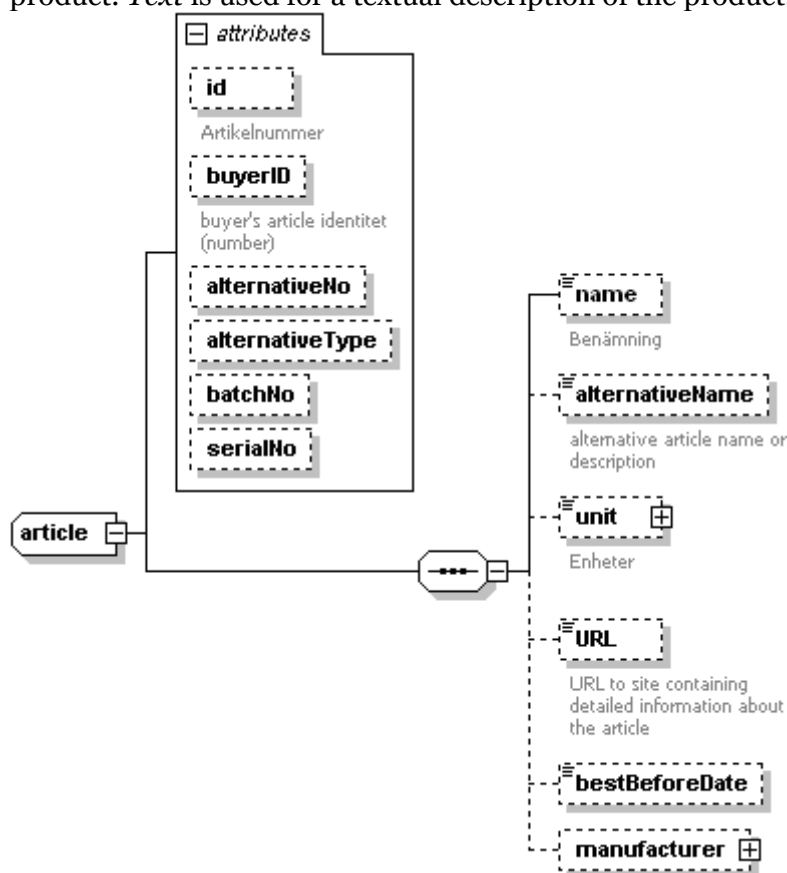
Element type	Description		
article	Invoice row		
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The seller's article number.
@buyerID	Identifier	0..1	The buyer's article number.
@alternativeNo	Identifier	0..1	The attribute is not used and Bankgirot do not account for the conversions. Alternative article number/reference.
@alternativeType	Code	0..1	The attribute is not used and Bankgirot do not account for the conversions. Type of alternative article reference. Optional coding.
@batchNo	Identifi	0..1	The attribute is not used and

	er		Bankgirot do not account for the conversions.

The article's batch number. |
| @serialNo | Identifier | 0..1 | The attribute is not used and Bankgirot do not account for the conversions.

The article's serial number. |
| name | Character | 0..1 | The article's name.

Required field when the invoice is an electronic invoice and sent to a company. Some file format always requires description / name at line level. |
| alternativeName | Character | 0..1 | Alternative article name.

The attribute is not used and Bankgirot do not account for the conversions. |
| unit/@code | Unit | 0..1 | Code for unit form.
See chapter 11.4 for more information. |
| URL | URL | 0..1 | The element is not used and Bankgirot do not account for the conversions.

The seller's web link to more information about the article. |
| bestBeforeDate | Date | 0..1 | The element is not used and Bankgirot do not account for the conversions.

Best-before-date. |
| manufacturer | Aggregated | 0..1 | The element is not used and Bankgirot do not account for the conversions.

Manufacturer of the article.
See chapter 8.6.2 below. |

8.6.2 Manufacturer
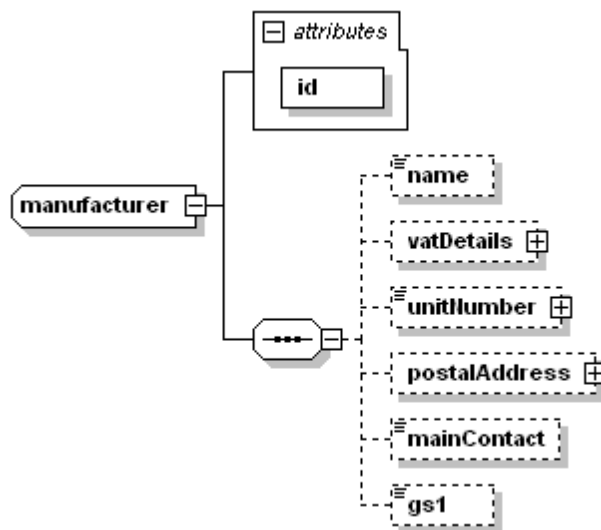
Element type			Description	
manufacturer			Manufacturer	
Element/attribute	**Type**	**Occurrence**	**Description**	
@id	Identifier	1	The identity of the manufacturer. Values: The seller's corporate identity number in Sweden. The seller's VAT registration number in countries other than Sweden.	
name	Character	0..1	The name of the manufacturer.	
vatDetails	Aggregated	0..1	VAT details. See chapter 8.1.1 for more information.	
unitNumber	Identifier	0..1	The element is not used and Bankgirot does not take into account the conversions. A unique identifier that can be used in the identification of a third party. Use primary GS1 element EANnr.	
postalAddress	Address	0..1	The manufacturer's postal address. See chapter 11.8 for more information.	

mainContact	Cont act	0..1	General contact details about the seller, for instance switchboard phone number, etc. See chapter 11.9 for more information.
gs1	Char acter	0..1	EAN number of manufacturer. Reference: www.gs1.se

8.6.3 Reference to order
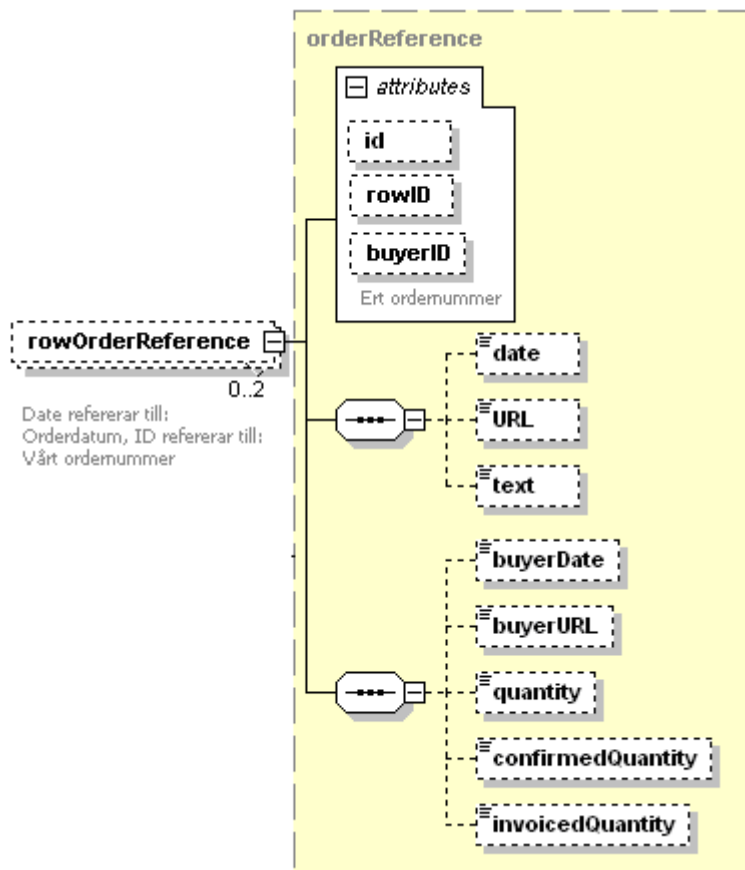
Root element		Description	
rowOrderReference		Order reference	
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identi fier	0..1	The identity of the order; order number.
@rowID	Identi fier	0..1	Indicates a row/section in a tender.
@buyerID	Identi fier	0..1	The seller's order number.
date	Date	0..1	Order date.
URL	URL	0..1	Web link to the order.
text	Chara	0..1	Free text description.

	cter		
buyerDate	Date	0..1	Buyer's order date.
buyerURL	URL	0..1	Buyer's web link to the order.
quantity	Quantity	0..1	Ordered quantity. See chapter 11.3 for more information.
confirmedQuantity	Quantity	0..1	Confirmed quantity, the amount the seller can deliver. See chapter 11.3 for more information.

8.6.4 Reference to the pricelist
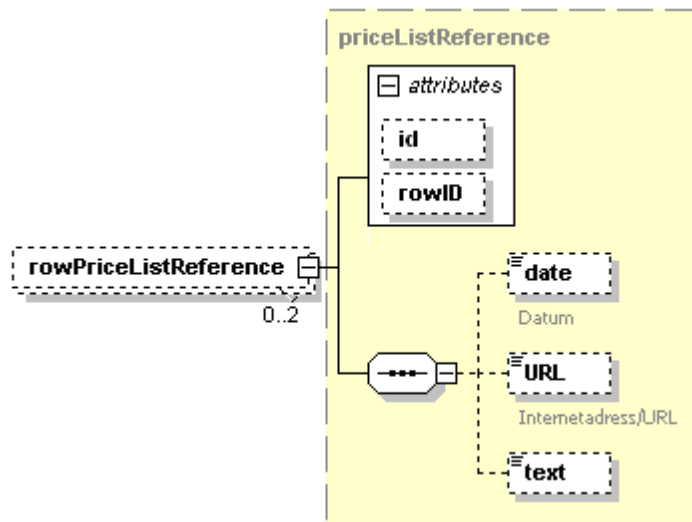
Root element		Description	
rowPriceListReference		Pricelist reference	
Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	The seller's pricelist number.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	The date of the pricelist.
URL	URL	0..1	Web link to the pricelist.
text	Character	0..1	Free text description.

8.6.5 Reference to tender
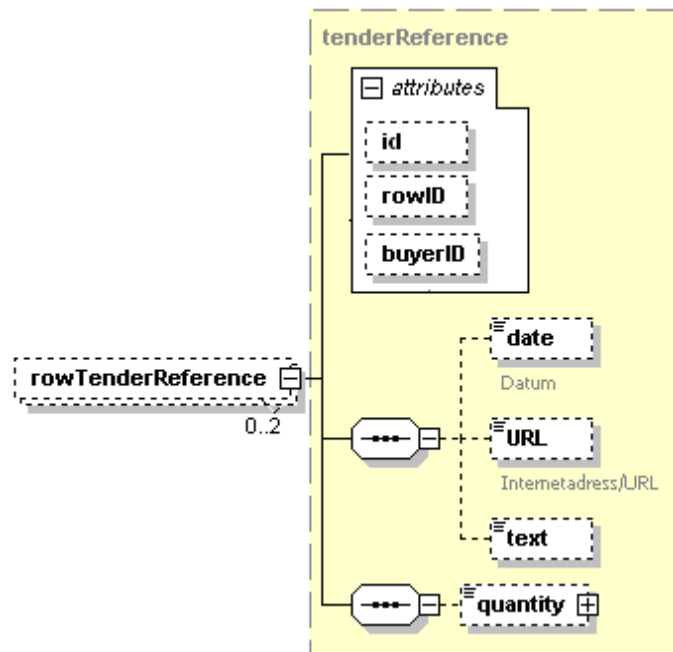
Root element			Description	
rowTenderReference			Tender reference	
Element/attribute	**Type**	**Occurrence**	**Description**	
@id	Identifier	0..1	The seller's tender number.	
@rowID	Identifier	0..1	Indicates a row/section.	
@buyerID	Identifier	0..1	The buyer's tender number.	
date	Date	0..1	Date of tender.	
URL	URL	0..1	Web link to the tender description.	
text	Character	0..1	Free text description.	

8.6.6   Reference to delivery
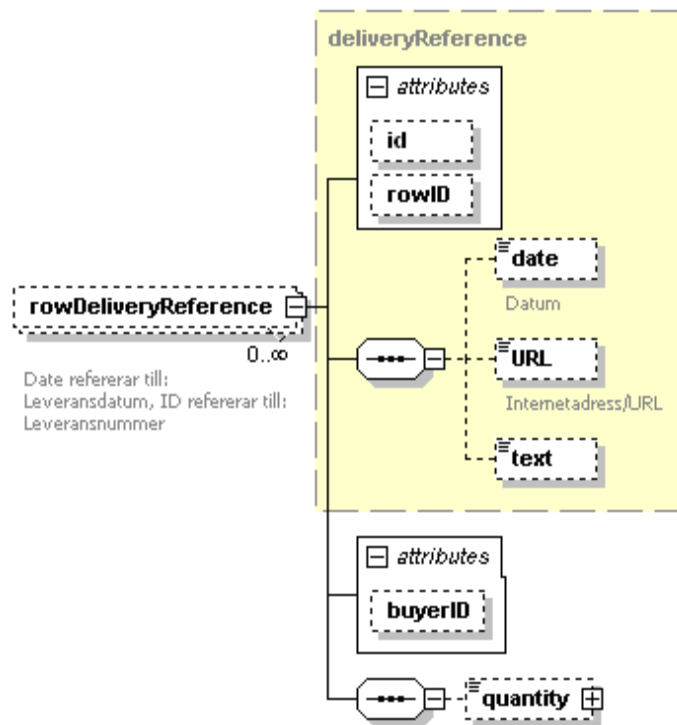
Root element		Description	
rowDeliveryReference		Reference to delivery	
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The identity of the delivery; delivery number.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	Delivery date
URL	URL	0..1	Web link to the delivery note.
text	Character	0..1	Free text description.
quantity	Quantity	0..1	Quantity delivered.

8.6.7 Reference to outstanding order
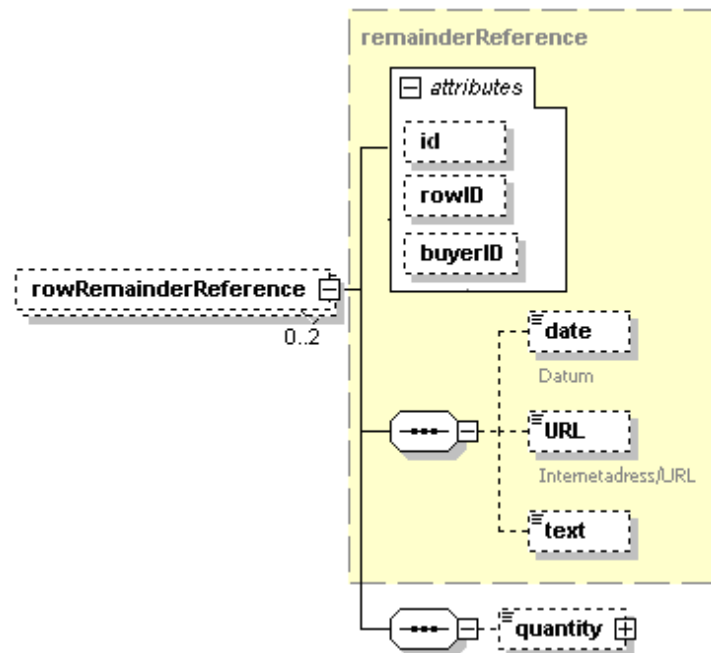
Root element	Description		
rowRemainderReference	Outstanding order reference		
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The seller's outstanding order number.
@rowID	Identifier	0..1	Indicates a row/section.
@buyerID	Identifier	0..1	The buyer's outstanding order number.
date	Date	0..1	The date of the outstanding order.
URL	URL	0..1	Web link to the outstanding order.
text	Character	0..1	Free text description.
quantity	Quantity	0..1	Number of outstanding articles. See chapter 11.3 for more information.

8.6.8 Reference to invoice
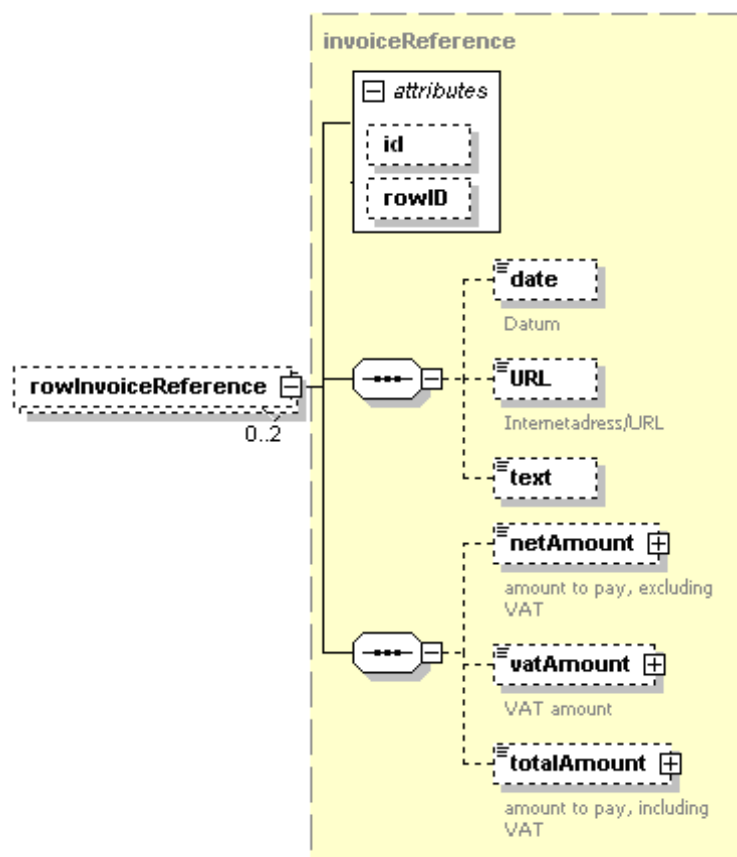
An invoice or invoice row can contain a reference to a previously created invoice.

Root element	Description		
rowInvoiceReference	Reference to previously created invoice.		
Element/ attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The identity of the invoice; invoice number.
@rowID	Identifier	0..1	Indicates a row/section.
date	Date	0..1	Invoice date.
URL	URL	0..1	Web link to the invoice.
text	Character	0..1	Free text description.
netAmount	Amount	0..1	Amount minus VAT. See chapter 11.2 for more information.
vatAmount	VatAmount	0..1	VAT amount. See chapter 11.7 for more information.
totalAmount	Amount	0..1	Total amount including VAT. See chapter 11.2 for more information.

8.6.9 Betalradsreferens

Root element		Description	
rowPaymentReference		Betalradsreferens	
Element/ attribute	Type	Occurrence	Beskrivning
payment	Aggregerad	1	Betalningsinformation. Aggregerat element enligt payment -objektet. Se kapitel 8.4.

8.6.10 Payment row reference
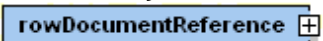
Root element	Type	Description
rowDocumentReference	typedResourceReference	Document reference. Aggregate element. See chapter 11.11.

8.7   Invoice rows with preformatted text (PRE)

An invoice row where every letter has a predefined shape and size. An invoice can contain many invoice rows. An invoice row can specify a line in, for example, a telecom invoice. It is used when text in an invoice row shall be defined according to a predetermined format.

The pre-formatted text.
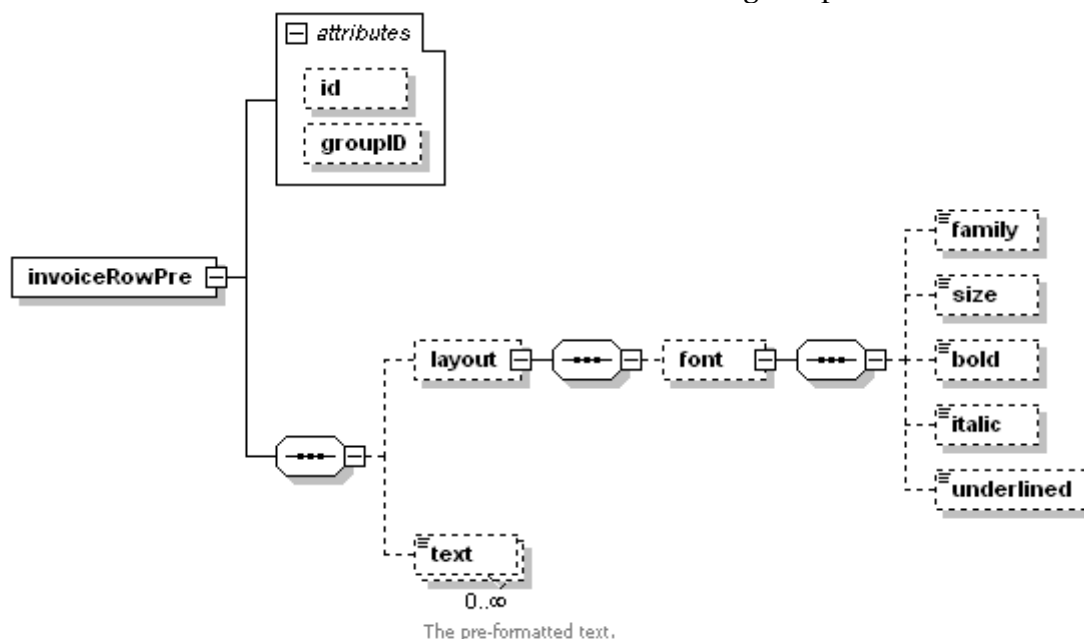
Rotelement			Description	
invoiceRowPre			Invoice containing preformatted text.	
Element/attribute	**Type**	**Occurrence**	**Description**	
@id	Identifier	0..1	Provides the invoice row with a unique identity.	
@groupID	Identifier	0..1	Group ID for invoice rows. Used to divide the rows into labelled sections.	
layout	Aggregerad	0..1	Layout information	
text	Character	0..n	Free text designation for the service or product to be invoiced.	

Rotelement		Description	
layout		Layoutinformation för fördefinierad text.	
Element/attribut	**Typ**	**Occurrence**	**Description**
font	Aggregerad	0..1	Font information

Rotelement			Description	
font			Font information	
Element/ attribut	**Typ**	**Occurrence**	**Description**	
family	Character	0..1	Font. Default = "Verdana, Arial, New Times Roman"	
size	Integer	0..1	Font size, in points. Default = 10.	
bold	Boolean	0..1	Bold text or not. Values: true = bold. Default = false.	
italic	Boolean	0..1	Italic text or not. Values: true = italic. Default = false.	
underlined	Boolean	0..1	Underlined text or not. Values: true = underlined. Default = false.	

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8.8 Invoice specification
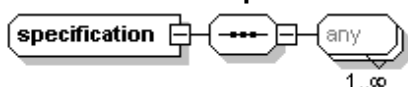
Optional specification. Can be used to present lines up and down, such as credit-card transactions.

Element type		Description	
specification		Invoice specification	
Element/attribute	Type	Occurrence	Description
*	any	1..n	Arbitrary information.
lineItem	Aggregated	1..n	Specification lines. See chapter 8.7.1 below.

8.8.1 Specification lines
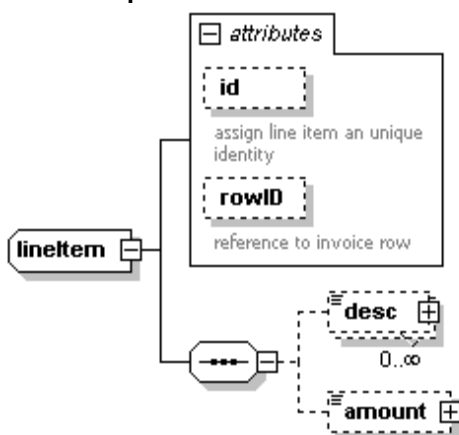
Element type		Description	
lineItem		Invoice specification lines.	
Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	Makes the line unique.
@rowID	Identifier	0..1	Connects the specification to an invoice row.
desc	Character	0..n	Specification description.
desc/@spec	Character	0..1	Specification type. Used for classification of the description. Optional value.
amount	Character	0..1	Amount. See chapter 11.2 for more information.

8.9 Payment details
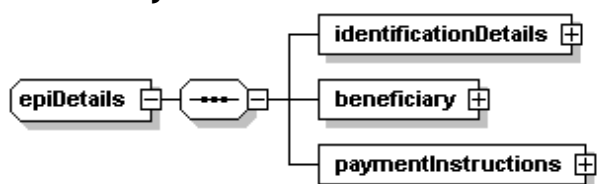
Details from the seller to the buyer about what information the buyer is to use for issuing payment instructions to buyer's bank. The receiver of the payment (beneficiary) can be different than the seller just as the payer can be different than the buyer.

The information/object is used to generate payment details in the electronic invoice business-to-business (B2B) service. The Payment element is used for the equivalent in the electronic invoice business-to-consumer (B2C) service. Reference: See chapter 8.4.

Root element			Description	
epiDetails			Payment details	
Element/attribute	**Type**	**Occurrence**	**Description**	
identificationDetails	Aggregated	1	Identification details. See chapter 8.8.1 below.	
beneficiary	Aggregated	1	Receiver of payment. See chapter 8.8.2 for more information.	
paymentInstructions	Aggregated	1	Information about the actual transaction. See chapter 8.8.3 for more information.	

8.9.1 Identification details
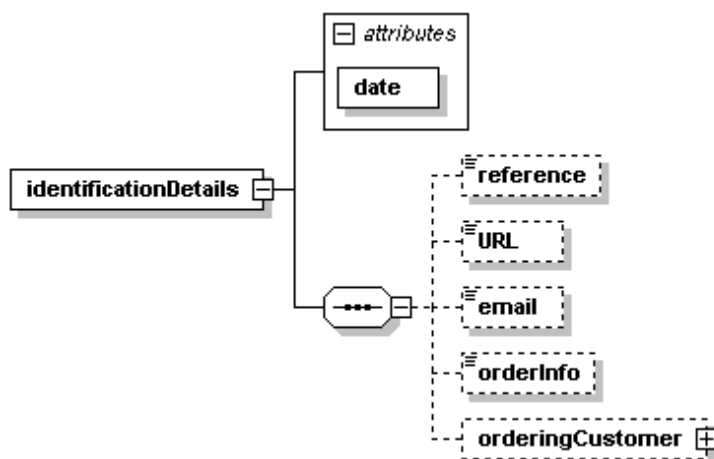
Root element			Description	
identificationDetails			Identification details about the document, beneficiary and payer.	
Element /attribute	**Type**	**Occurrence**	**Description**	
@date	Date	1	The date when the	

			document was created.
reference	Identifier	0..1	Document reference assigned by the beneficiary or its representative.
URL	URL	0..1	Web link to the beneficiary or its representative.
email	Character	0..1	Email address to the beneficiary or its representative
orderInfo	Character	0..1	Information between the beneficiary and the payer that is not included in the actual payment transaction. Free text field.
orderingC ustomer	Aggregate d	0..1	Information about the buyer/payer.
orderingC ustomer/ @id	Identifier	0..1	The buyer's/payer's identity assigned by the beneficiary. Value: Corporate identity number in Sweden. VAT registration number in countries other than Sweden.
orderingC ustomer/ @bic	Identifier	0..1	SWIFT code for the payer, used for foreign payments.
orderingC ustomer/ name	Character	1	Name of payee.
orderingC ustomer/a ddressTex t	Character	0..1	Address of the payee. Free text.

8.9.2 Beneficiary
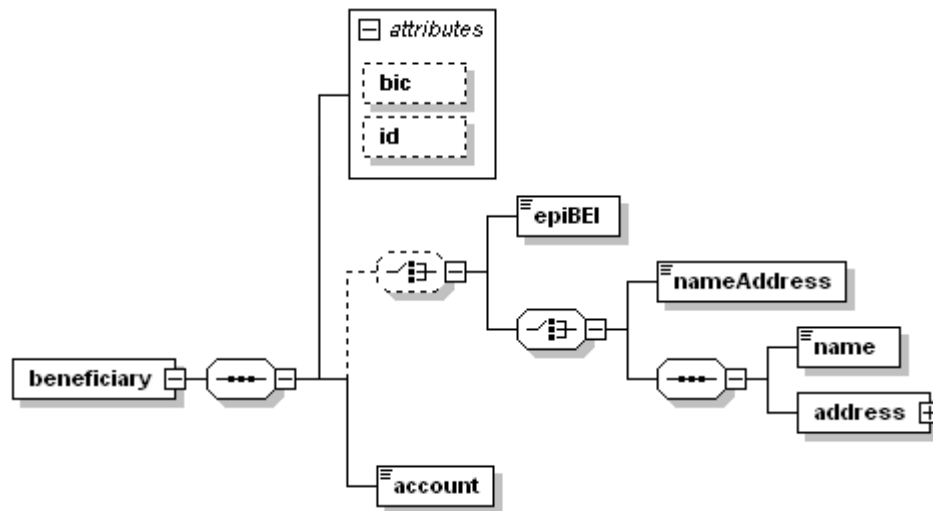
Root element			Description
beneficiary			Information about the beneficiary.
Element/attri bute	**Type**	**Occurre nce**	**Description**
@bic	Identi fier	0..1	SWIFT code for the beneficiary; used for foreign payments.
@id	Identi fier	0..1	Identity of the beneficiary. Values: Corporate identity number in Sweden. VAT registration number in countries other than Sweden.
epiBEI	Identi fier	0..1	Code for the beneficiary. Entered instead of name and address.
epiBEI/@type	Chara cter	1	Code type. Optional value.
nameAddress	Chara cter	0..1	The name and address of the beneficiary. Free text field.
name	Chara cter	0..1	Name of the beneficiary.
address	Addre ss	0..1	The beneficiary's address. See chapter 11.8 for more information.
account	Accou nt	1	The bank account used for payment. See chapter 11.10 for more information.

8.9.3 Payment instructions
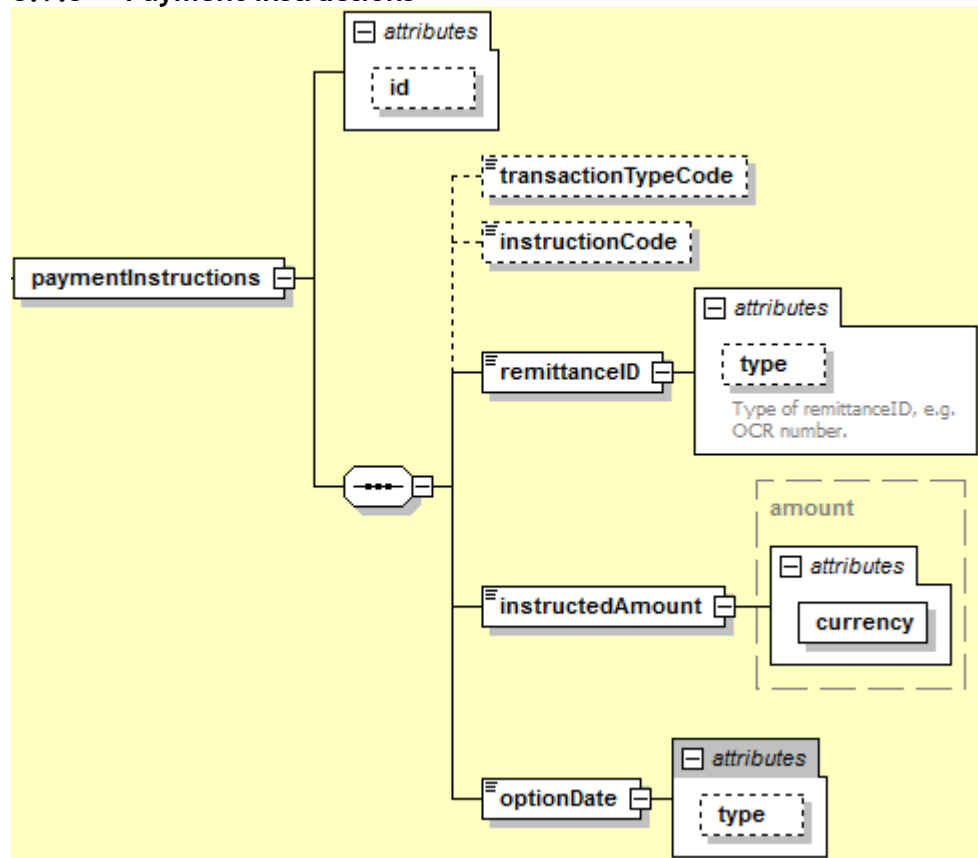
Root element	Description
paymentInstructions	Information about how the actual payment is to be carried out.

Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	Payment reference.
transactionTypeCode	Character	0..1	The reason for the transaction, in coded format.
instructionCode	Character	0..1	Additional information about the transaction; instruction code.
remittanceID	Identifier	1	Payment reference. For example, OCR number or other type of payment reference.
remittanceID/@type	Character	0..1	Type of payment reference. For example, OCR, MED
instructedAmount	Amount	1	Amount. See chapter 11.2 for more information.

optionDate	Date	1	Payment date (due date for debit)		
optionDate/@type	Character	0..1	Type of payment; Expenses for the actual payment Values:		
			Service	Value	Description
			B2C	debit	Debit (payment in internetbank)
			B2B	OUR	Payer cover the costs
			B2B	BEN	Beneficiary covers the costs.
			B2B	SHA	Seller and buyer share the costs.

9 Status report for faulty batch

A status report for a faulty batch in the standard format BGC Invoice from electronic invoice contains all errors that have occurred in handling the batch. The error can occur at batch level, section level or document level.

Batch
Information about section and document is not reported if errors occur at batch level, i.e. underlying information is not saved.

Section
Information about document is not reported if errors occur at section level, i.e. underlying information is not saved.

Document
If an error has occurred in a document, the faulty document is returned. Otherwise, the document is considered correct.

Status reports in the BGC Invoice format are an extension of the batch format. Supplementary status information as well as an account of the number of documents is provided for batch, section and document.

Status report when delivering to different VAN (Intermediator)
If an invoice are to be sent to a different electronic invoice hub (Intermediator) other than Bankgirot, the invoice issuer might receive more than one status report. The reason is the these hubs themselves reports back at different times.
The first report is to be considered a preliminary report. If an invoice are sent to a different electronic invoice hub, the report will only contain rejected/faulty invoices. Counterwise if the invoice hub accepts the incoming invoice, no further status report will be sent.

The format BGC Invoice parts related to re-presentation, a number of elements relating Intermediator information. These include the delivery and section level, but not on the document / invoice level.

9.1 Status report of batch
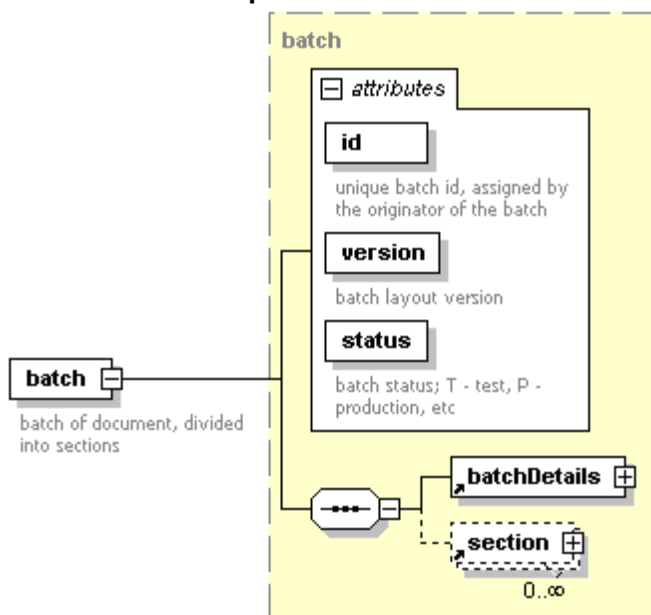
At batch level, the batch is supplemented with a status element (batchStatus) that contains the status of the batch. See chapter 9.1.1 for more information.

Element type			Description	
batch			Status report	
Element/ attribute	**Type**	**Occur rence**	**Description**	
@id	Identifi er	1	Batch identity The contents of the attribute are set by the operator Bankgirot. The invoice sender must however create the empty attribute. *Exempel*: id=""	
@status	Character	1	Batch status. Value: Electronic invoice - Business-to-Business	

Batch status table (Business-to-Business):

Value	Description
C	BGC Certifying
T	Tests to invoice receivers
P	Production

Electronic invoice - Business-to-Consumer

Value	Description
C	Webhotel certifying
T	e-giro certifying
P	Production

See chapter 5.2 for more information.

@version	Version	1	Version of batch format. Standard: "1.0"
batchDetail s	Aggregated	1	Batch information. See chapter 7.1.1 for more information.
section	Aggregated	0..n	Document section. See chapter 9.2 for more information.
batchStatus	Aggregated	1	Batch status. See chapter 9.1.1 below.

9.1.1   Status at batch level
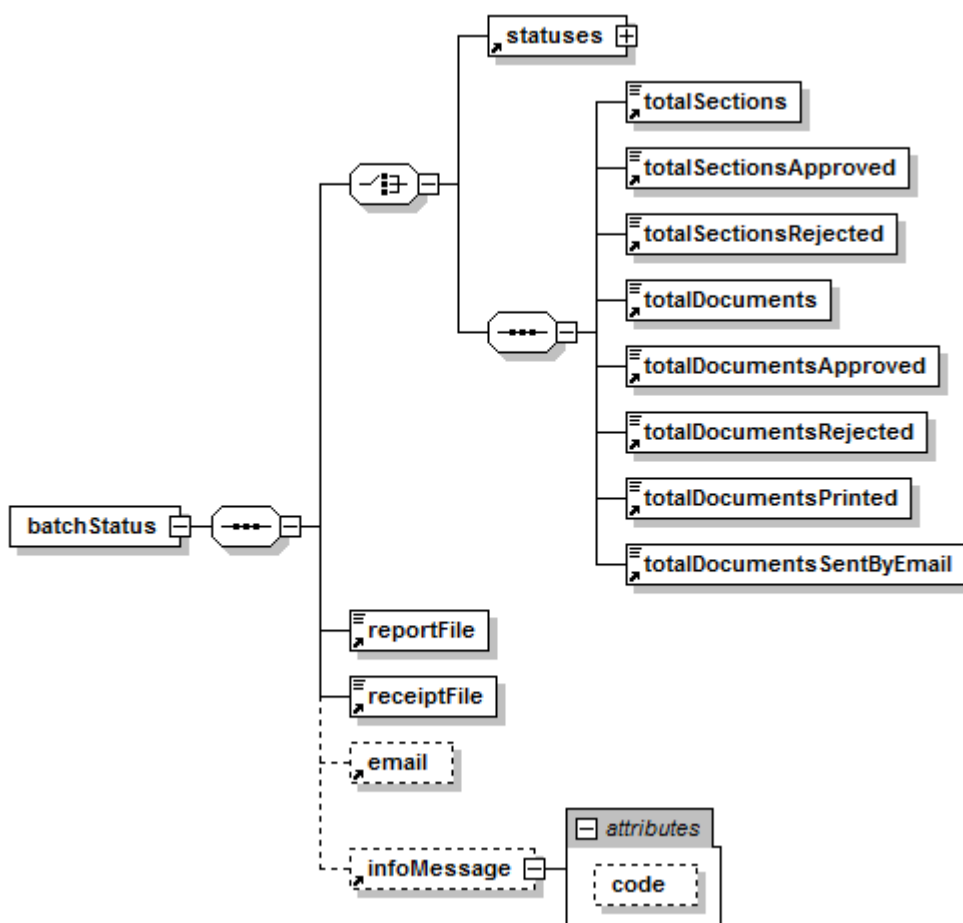
Element type		Description	
batchStatus		Status report for a batch	
Element/attribute	**Type**	**Occurrence**	**Description**
statuses	Statuses	1	Error status at batch level. This element replaces the six elements below. See chapter 9.4 for more information.
totalSections	Integer	1	Number of processed sections.

totalSectionsApproved	Integer	1	Number of approved sections.
totalSectionsRejected	Integer	1	Number of faulty sections.
totalDocuments	Integer	1	Number of processed documents.
totalDocumentsApproved	Integer	1	Number of approved documents.
totalDocumentRejected	Integer	1	Number of faulty documents.
totalDocumentsPrinted	Integer	1	Number of documents that went to the printing operators of the faulty documents. Example: If the status report signals 3 faulty documents but 2 printed documents, this means that 1 document contained general errors, but 2 documents contained "the error" *electronic addressee missing* and was therefore sent to the printing operator.
totalDocumentsSentByEmail	Integer	1	Number of documents sent by e-mail.
reportFile	Character	1	Name of the status report file. NOTE! Bankgirot internal.
receiptFile	Character	1	Name of the acknowledgement file. NOTE! Bankgirot internal.
email	Character	0..1	Email address used for status reports to the sender of the file. The address is registered by Bankgirot when the originator is introduced. See chapter 5.3.1 for more information.
infoMessage	Character	0..1	Descriptive free text for the type of acknowledgement.
infoMessage/@code	Character	0..1	Code identifying the type of acknowledgement. Possible values: **REP1** = Final acknowledgement. No documents sent to intermediators. **REP2** = Non-final acknowledgement. One or more documents sent to an intermediator, which means a delayed acknowledgement may be forthcoming. **REP3** = Delayed acknowledgement. Errors found in documents sent to an intermediator may be reported in a delayed acknowledgement.

9.2 Status report for section
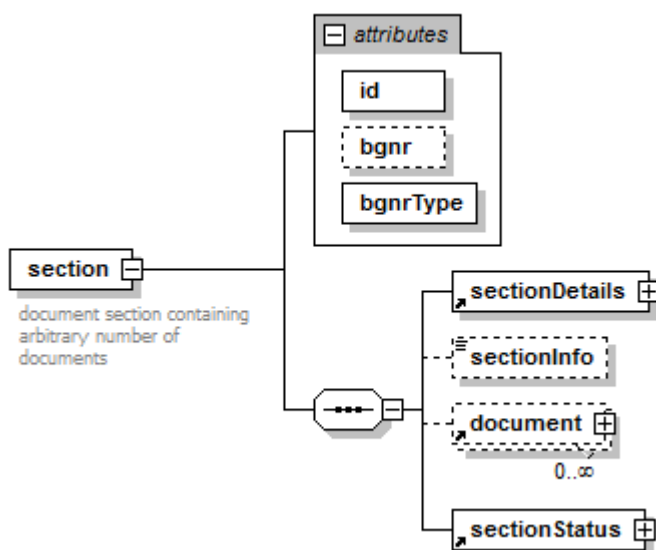
Sections are supplemented with a status element (sectionStatus) that contains the status of the section, in the same way as batches. See chapter 9.2.1 for more information.

Element type	Description		
section	Status report		

Element/attribute	Type	Occurrence	Description
@id	Identifier	1	Section Identity. Is unique in relation to bgnr of section for each delivery (for a batch ID). The same section id must not occur twice in one delivery. Format: Alphanumeric. Maximum 15 characters
@bgnr	Bgnr	0..1	Bankgiro number of the person associated with the documents in the current section. Can be either an exhibitor / creator or the recipient of the documents. Format: See 4.1.3 for more information
@bgnrType	Character	1	Type of bank number associated with the section. Deposit options: **originator** - originator, is used in inbound deliveries and deliveries to the printing office **addressee** - invoice recipient, is used in the rest of outbound deliveries

sectionDetails	Aggregerad	1	See Chapter 7.2.1 for more information.
sectionInfo	Aggregerad	0..1	See Chapter 9.3 for more information.
document	Aggregerad	0..n	See Chapter 7.2.2 for more information.
sectionStatus	Aggregerad	1	Avsnittsstatus. Se kapitel 9.2.1 nedan.

9.2.1   Status at section level

The element presents the status of the documents that were included in the relevant section, for example, the number of documents within the section that went to the printing operator.

Element type			Description	
sectionStatus			Section status	
Element/attribute	**Type**	**Occurrence**	**Description**	
statuses	Statuses	1	Status at section level. This element replaces the four elements below. See chapter 9.4 for more information.	
totalDocuments	Integer	1	Number of processed documents in the section.	
totalDocumentsApproved	Integer	1	Number of approved documents in the section.	
totalDocumentsRejected	Integer	1	Number of faulty documents in the section.	
totalDocumentsPrinted	Integer	1	Number of documents in the section that went to the printing operator of the faulty documents. Example: If the status report signals 3 faulty documents but 2 printed documents, this means that 1 document contained general errors, but 2 documents contained "the error" *electronic addressee missing* and was therefore sent to the printing operator.	

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totalDocumentsSentByEmail	Integer	1	Number of documents sent as e-mail attachment.

9.3 Status report for document
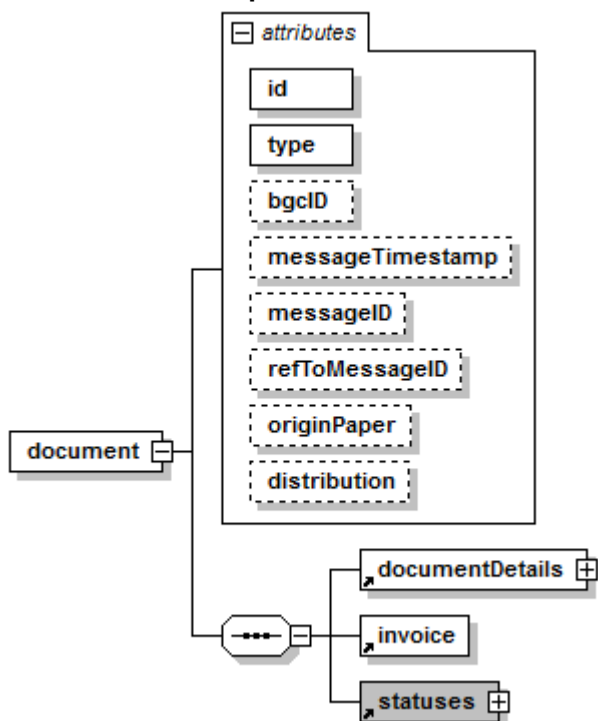
Status reports for documents are issued if the document is faulty. This chapter uses invoice as the document to illustrate where in the XML structure the status information is entered.

Element type	Description		
document	Invoice. See chapter 7.3 for more information		
Element/attribute	**Type**	**Occurrence**	**Description**
documentDetails	Aggregated	1	Information about the document. See chapter 7.3.1 for more information.
Invoice		1	The incorrect document is presented in its entirety.
statuses	Aggregated	1	Status information. See chapter 9.4 below.

9.4 Status list
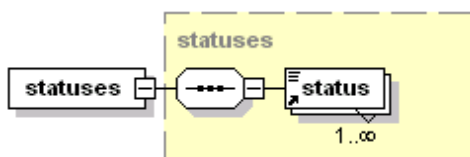
Element type	Description
statuses	List of statuses

Element/attribute	Type	Occurrence	Description
Status	Status	1..n	Status message. See chapter 9.4.1 below.

9.4.1 Status
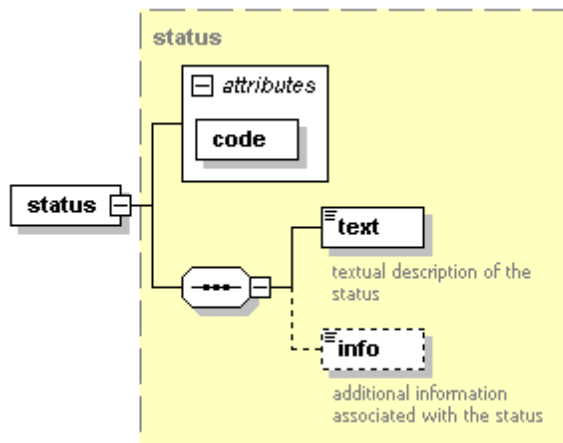
Element type	Description
status	List of statuses.

Element/attribute	Type	Occurrence	Description
@code	Code	1	A four-digit status code. See chapter 13 for more information.
text	Character	1	Message/text that describes the status.
info	Character	0..1	Additional information about the specific status, such as specific messages, data or other information about the event.

10 General elements

This chapter describes the generic element types and the elements that occur often in BGC Invoice.

10.1 Time period

Element type	Description
period	Time period

Element/attribute	Type	Occurrence	Description
startDate	Date	1	Start date for the period.
endDate	Date	1	End date for the period.

10.2 Amount

Element type	Type	Description
amount	Decimal	Amount. See chapter 4.1.1 for

			more information.
Element/at tribute	**Type**	**Occurre nce**	**Description**
@currency	Code	1	Valid currency code according to ISO 4217. Example values: **SEK**, **EUR** Reference: http://www.iso.se/

10.3   Quantity

Element type	**Type**		**Description**
quantity	Integer		Quantity
Attribute	**Type**	**Occurre nce**	**Description**
@unitCode	Code	0..1	Unit code. Arbitrary value. Example values: kg, m, h

10.4   Unit

Element type	**Type**		**Description**
unit	Character		Unit description. Free text. For example, hours, pieces, kilo
Attribute	**Ty pe**	**Occurre nce**	**Description**
@code	Co de	0..1	Arbitrary code attribute for *unit*. Example values: kg, m, h

10.4.1   Length (example)

Descrip tion	**Code**
Millimetr e	MMT
Centimet re	CMT
Decimetr e	DMT
Metre	MTR
Hectome tre	HMT
Kilometr e	KMT

10.4.2   Weight/mass (example)

Descrip tion	**Code**
Milligra	MGM

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m	
Gram	GRM
Hectogram	HGM
Kilogram	KGM
Ton (metric)	TNE
Kiloton	KTN

10.4.3 Energy (example)

Description	Code
Joule	JOU
Kilojoule	KJO
Watt hour	WHR
Kilowatt hour	KWH
Megawatt hour	MWH
Gigawatt hour	GWH

10.4.4 Area (example)

Description	Code
Square millimetre	MMK
Square centimetre	CMK
Square decimetre	DMK
Square metre	MTK
Square kilometre	KMK
Hectare	HAR

10.4.5 Quantity/number (examples)

Description	Code
Pieces	PCE
Packages	PC
Hundred	CEN
Thousand	MIL

Million	MIO
One thousand million	MLD
Billion	BIL
Trillion	TRL

10.4.6 Time (example)

Description	Code
Seconds	SEC
Minutes	MIN
Hour	HUR
Day	DAY

10.5 Terms

Element type	Type		Description
Terms	Character		Terms, terms text
Element/ attribute	**Type**	**Occurrence**	**Description**
@code	**Code**	**0..1**	**Term codes. Optional value.**

10.6 Method

Element type	Type		Description
Method	Character		Method or alternative, such as delivery alternative, payment alternative.
Element/attribute	**Type**	**Occurrence**	**Description**
@code	Code	0..1	Method code. Optional values.

10.7 VAT amount

Describes which VAT amounts are included, the amount on which VAT is calculated, the VAT rate and if there are several VAT rates.

Element type	Type		Description
vatAmount	Decimal		VAT amount
Element/attribute	**Type**	**Occurrence**	**Description**
@currency	Code	1	Currency code See chapter 8.2.3 for more information.
@rate	Decimal	0..1	VAT rate; standard 25% Format: See chapter 4.1.8.
@base	Decimal	0..1	Base amount on which VAT is calculated.
@vatCode	Code	0..1	VAT code. Optional values.
@currencyAC	Code	0..1	Accounting currency's

			currency code. See chapter 8.2.3 for more information.
@baseAC	Decimal	0..1	Accounting currency's base amount on which VAT is calculated.
@vatAmountAC	Decimal	0..1	Total VAT amount for the accounting currency.
@vatCodeAC	Code	0..1	VAT code for the accounting currency. Optional value.
@text	Character	0..1	Free text field, such as to specify the reason for an amount not subject to VAT.

10.8   Address
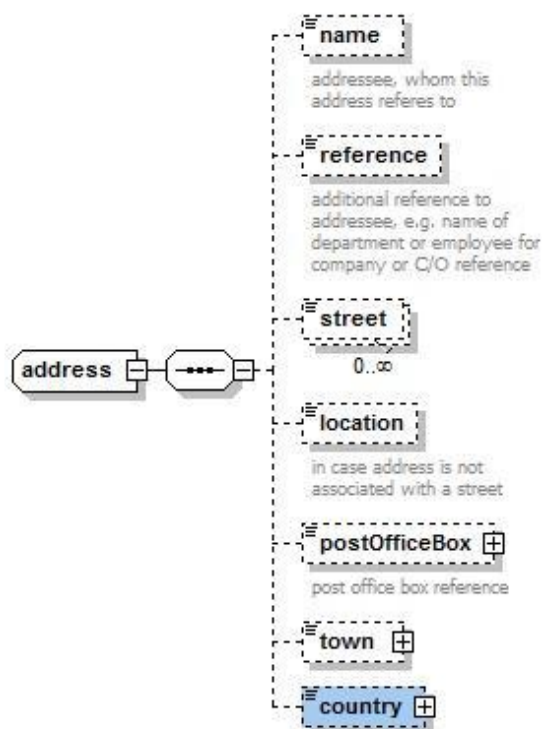
Element type			Description
address			Address

Element/attribute	Type	Occurrence	Description
name	Character	0..1	The addressee's name. Verbal name. Can be the same as a company name, i.e. AB name. **NOTE! Bankgirot recommend the use of this for a well-crafted invoice**
reference	Character	0..1	Unit at the company, business area, group or reference. This element can also be used for the c / o address
street	Character	0..n	Street name
street/@number	Character	0..1	This attribute is not used and Bankgirot does not take into account the conversions. Use adress/street.
location	Character	0..1	The element is not used and Bankgirot does not take into account the conversions.

			Use the address / town.
postOfficeBox	Chara cter	0..1	PO box.
postOfficeBox/@n umber	Chara cter	0..1	PO box number.
town	Chara cter	0..1	City.
town/@postCode	Chara cter	0..1	Postal code. Enter only the number and not the country code with dash.
country	Chara cter	0..1	Country.
country/@code	Code	0..1	Country code according to ISO. Example values: **SE**, **FI**, etc.

10.9 Contact details
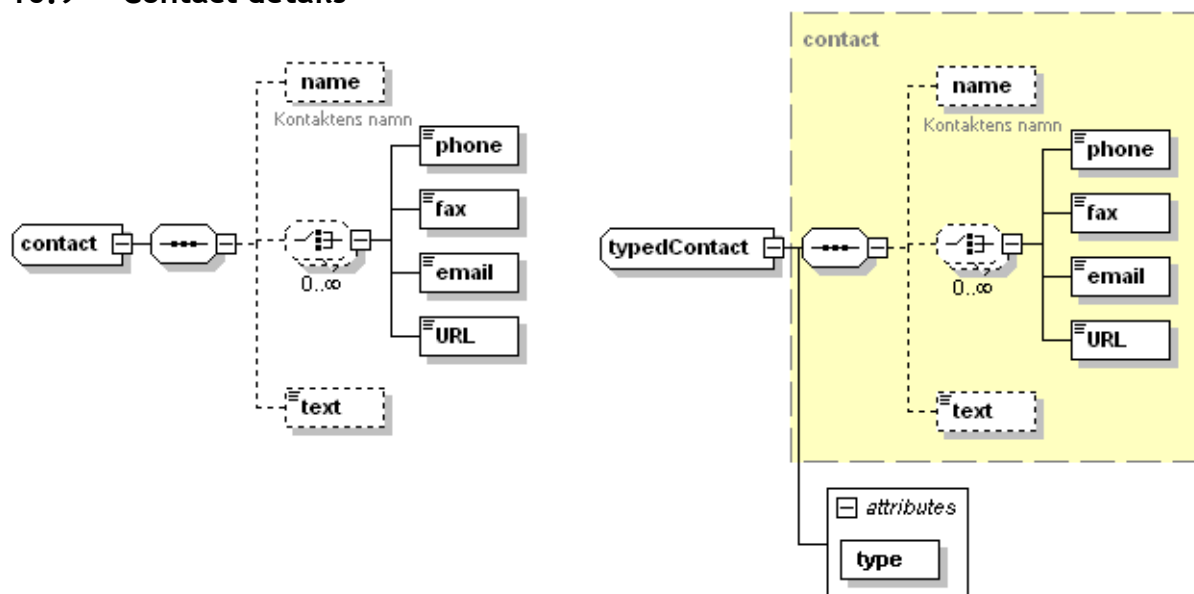
Element type			Description	
contact / typedContact			Contact details	
Element/attribute	**Type**	**Occurrence**	**Description**	
@type	Character	1	**NOTE! Only for typedContact** Type of contact details. Free text.	
name	Character	0..1	Name of contact person.	
phone	Character	0..1	Phone number.	
fax	Character	0..1	Fax number.	
email	Character	0..1	Email address.	
URL	URL	0..1	Web link.	
text	Character	0..1	Free text. Enter here the contact person's electronic address if such exists, for instance. The address is used to route the invoice to the correct individual in the receiver's workflow-system, for example.	

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10.10 Account details
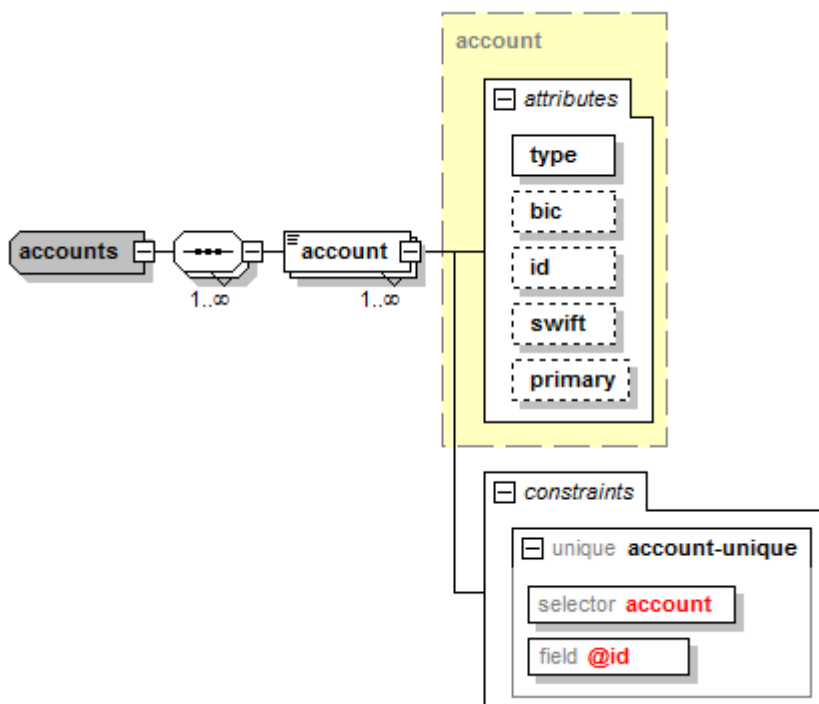
Element type		Description	
accounts		Account details	
Element/attribute	**Type**	**Occurrence**	**Description**
account	Account	1..n	Account

NOTE! For B2C – the following rules and regulations apply for the beneficiary's giro number, i.e. the bgnr where the money will be deposited based on the payment row:

- Only one account number is sent with the payment in the internetbank.
- if there is no account number, use the originator bgnr (the agreement bgnr assigned when first introduced)
- when there is more then one account number: firstly the account that has the attribute @primary set to true will be used, secondly the first occurring account number will be used.

Element type	Type		Description
account	Account		Account number. Format for bgnr/IBAN: See chapter 4.1.3
Element/attribute	**Type**	**Occurrence**	**Description**
@type	Character	1	Account type. Values: **BG** (bank giro), **PG** (postgiro), **IBAN**, **BE** (account number) etc.

			When using Bankgirots Invoice Presentation, only the values **BG** or **PG** are accepted.
@bic	Identifier	0..1	BIC code (Bank Identifier Code)
@id	Identifier	0..1	The account identity used to find the right account in the multitude of accounts.
@swift	Character	0..1	SWIFT code. Example value: BGABSESS The bank identity used for foreign payments.
@primary	Boolean	0..1	Indicates if the account is the primary payment account, i.e. the account that the beneficiary should preferably use for payments. Values: **true** (yes), **false** (no)

10.11   Document reference
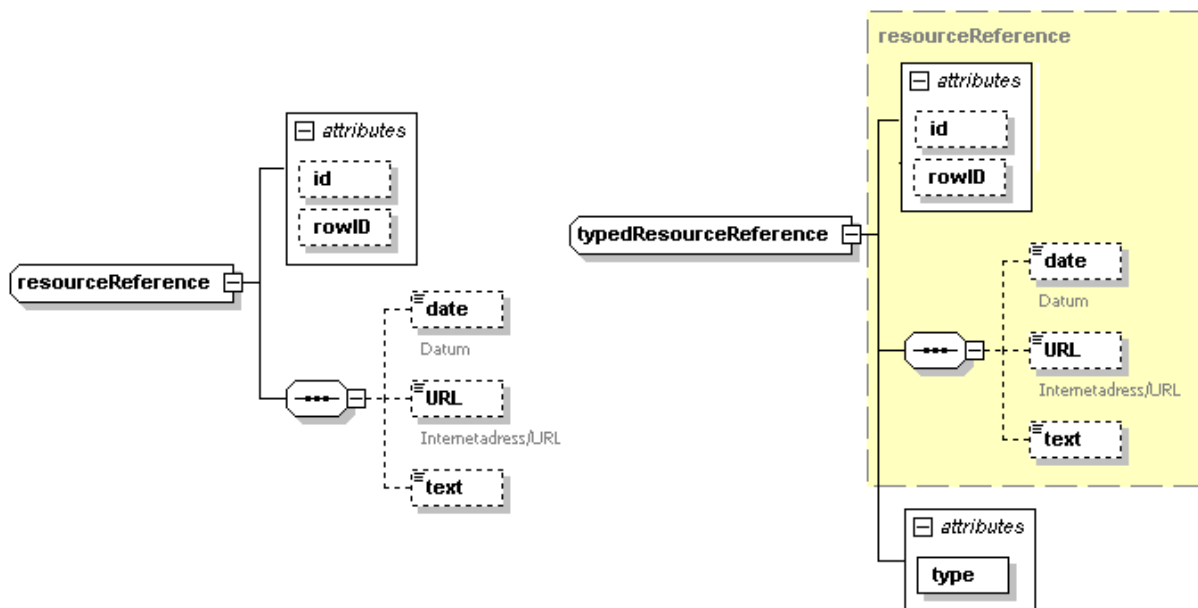
Type	Description		
resourceReference / typedResourceReference	Reference to other document		
Element/attribute	**Type**	**Occurrence**	**Description**
@id	Identifier	0..1	The identity of the document.
@rowID	Identifier	0..1	Indicates a row/section in the document.
@type	Code	1	**NOTE! Only for typedDocumentReference** Indicates to which type of document the

			reference refers.
date	Date	0..1	The date related to the document. For example, order date
URL	URL	0..1	Web link to the document.
text	Character	0..1	Textual description of the document.

You can use the Document reference to directly manage references when converting to Svefaktura. The following describes how to do this.

Type	Description		
Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	The value here is mapped to one of the following fields in Svefaktura:AdditionalDocumentReference/cac:ID/@identificationSchemeID or RequisitionistDocumentReference /cac:ID or InitialInvoiceDocumentReference
@rowID	Identifier	0..1	AdditionalDocumentReference/cac:ID/@identificationSchemeAgencyName
@type	Code	1	Specifies the reference in Svefaktura as to ask that it mapped to. Allowed values are: AdditionalDocumentReference RequisitionistDocumentReference InitialInvoiceDocumentReference Denna styr vart värdet i @id ovan hamnar.
text	Character	0..1	AdditionalDocumentReference/cac:ID/@identificationSchemeID

10.12 Bank

Element type		Description	
bank		Bank	

Element/attribute	Type	Occurrence	Description
@id	Identifier	0..1	Alpha-numeric code that identifies the bank. Example value: SEB See section 11.12.1 for more information
@code	Code	0..1	Numerical code the represents the bank, such as primary clearing number (HCLNR), clearing number (CLNR) or similar. Example value: 6146 See section 11.12.1 for more information
name	Character	0..1	Name of the bank. Format: Alphanumerical.
postalAddress	Address	0..1	The bank's postal address. See chapter 11.8 for more information.

10.12.1 Bank Identities
B2C Internet Bank E-invoice
The identities below constitute the attributes necessary to use when sending e-invoice B2C to the Swedish Internet banks using BGC Invoice.

Bankname	Shortname (ENAR)	BankID	CLNR
Danske Bank	OEB	0035	1200
SEB	SEB	0019	5000
Handelsbanken	SHB	0027	6000
Skandiabanken	SKB	0043	9150
Swedbank	FSPA	0051	8000
Nordea	NB	0078	3000
Länsförsäkringar bank	LFB	0124	9020
ICA banken	ICA	0116	9270
Sparbanken Syd	SYD	0159	9570
Forex Bank	FRX	0108	9400
Ålandsbanken	AAB	0248	2300
Marginalen Bank	MARG	0167	9230
Svea Bank	SVEA	0175	9660
Lunar Bank	LUNA	0280	9710

B2B Internet Bank E-invoice
Bankgirot B2C flow can be used to send electronic invoices with corporate identity numbers as part of the FMI (Invoice receiver information) to the Internet Bank. The Bank identities (BankID) that follow can be used to send such e-invoices to banks which are connected to the service. Check with your bank if you are able to send Internet Bank E-invoices to online businesses.

Bankname	Short name (ENAR)	BankID	CLNR
Danske Bank	DBF	0264	1201
SEB	SEBF	0213	5001
Handelsbanken	SHBF	0205	6001
Nordea	NBF	0221	3001
Swedbank	SBF	0272	8001
Svea Bank	SVEF	0191	9661
Länsförsäkringar Bank	LFBF	0140	9021
Lunar Bank	LUNF	0299	9711

11   Start and end records for files sent to Bankgirot

Below are the start and end records that must enclose the invoice file sent to Bankgirot. Since the electronic invoice system is format independent, Bankgirot must use a specific start and end record to identify an invoice file that is to be further transmitted from the file handling system to the electronic invoice system.

11.1   Flowchart description for when sender sends a file to electronic invoice

Stipulated as start record before XML data. Enables the electronic invoice system to identify the file type.

Start record Electronic invoice					
Name	Position	Length	Contents	Description	Mandatory
BGC-STARTPOST	1	1	The letter O (upper case)	Start record	Yes
BGC-STD-TXT	2-8	7	FHOTELL (upper case)	Marks which service	Yes
BGC-ORGNR	9-18	10	10 digits	Originator's corp. id. no.	Yes
BGC-LEVID	19-28	10	Empty – assigned by BGC	BGC's batch identity	-
BGC-TEST-MARK	29	1	C, T or P (upper case)	Certification, Test or Production	Yes
BGC-FILLER	30-50	20	Empty	For future use	-

```
1 2         9              19               29 30  32  34  37  39            48
O F H O T E L L x x x x x x x x x x                P
```

Entered as the end record after XML data.

End record electronic invoice					
Name	**Position**	**Length**	**Contents**	**Description**	**Mandatory**
BGC-SLUTPOST	1	1	Z (Upper case)	End record	Yes
BGC-ANTAL	2-10	9	Numerical, ragged, null fill	Number of invoice details (invoices) in the file	Yes
BGC-FILLER	11-50	40	Empty	Leave empty	-

* = May, in special cases be zero (no specific value). This needs to then be reconciled between the parties.

12   Response codes/Error codes

Below are all the status and error codes that the electronic invoice system can generate as categorised. The column "Code" defines the unique identifier for the status or error. The column "Type" describes the category to which the status and error codes belong.
The Code column indicates which part the error code stems from, for example batch level, VDxx where xx indicates the error code number.

- VBxx – Batch error
- VSxx – Section error;
- VDxx – Document error;
- EGxx – Electronic giro error, error from the electronic giro system **(B2C invoices)**
- VIxx = Error from receiving e-invoice node (intermediator)
- IBxx = Error from Internet bank

The following types/categories are defined:
- E – Error;
- V – Validation error;
- EE – E-giro External
- IB = Internet bank error (receiving Internet bank)

Batch
If the error occurs at batch level, the entire file is rejected. No section or document in the batch will be read. Contents will be reported depending on the type of error. Check the column at the far right to see if the sender receives a status report of the details.
Section
If the error occurs in a section, for instance that the number of invoices in the section do not coincide with the number of invoices counted by the electronic invoice system, the entire section will be rejected, i.e. all the invoices in the section. If the other sections are OK, these are read into the system.
Document
If one invoice is wrong, it is rejected to the sender. If the other invoices are OK, these are read into the system.

12.1   VB Error codes

Code	Description (in italics in the customer message)	Action
VB05	*Number of documents not specified* \<batch> \<batchDetails> \<**totalDocuments**>\</**totalDocuments**> \</batchDetails> \</batch> The delivery is reported back	The file was processed not. The number of specified documents did not the number processed.
VB06	*Number of records in the delivery is not equal to the specified number of documents* The number of documents in **totalDocuments** does not match the number of delivery. \<batch> \<batchDetails> \<**totalDocuments**>\</**totalDocuments**> \</batchDetails> \</batch> Leveransen återrapporteras	The file was processed not. The number of specified documents did not the number processed.
VB07	*The delivery is not test or production marked* \<batch **status**>\</batch> The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB08	*Delivery has incorrect status* \<batch **status**>\</batch> The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB11	*Submitted closed* \<batch> \<batchDetails> \<**bgnr**>\</**bgnr**> \</batchDetails> \</batch> The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB12	*Number of sections not specified* \<batch> \<batchDetails> \<**totalSections**>\</**totalSections**> \</batchDetails> \</batch> The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB13	*Number of Section deliveries is not equal to the specified number.* The number of sections in **totalSections** is not equal to the number of episodes in the delivery. \<batch> \<batchDetails> \<**totalSections**>\</**totalSections**> \</batchDetails>	Unable to read file. Alarm at Bankgirot.

Code	Description (in italics in the customer message)	Action
	`</batch>` The delivery is reported back	

VB14	*Avsnittsid not specified*
	`<batch>`
	`<section` **id**`></section>`
	`</batch>`
	The delivery is reported back
		Unable to read file. Alarm at Bankgirot.

VB15	*Avsnittsid is not unique*
	`<batch>`
	`<section` **id**`></section>`
	`</batch>`
	The delivery is reported back
		Unable to read file. Alarm at Bankgirot.

VB16	*Originator are not specified in section*
	`<batch>`
	`<section` **bgnr**`></section>`
	`</batch>`
	The delivery is reported back
		Unable to read file. Alarm at Bankgirot.

VB17	*Originator in the section is not organized*
	`<batch>`
	`<section` **bgnr**`></section>`
	`</batch>`
	The delivery is reported back
		Unable to read file. Alarm at Bankgirot.

VB18	*Display units are not indicated in this document*
	`<batch>`
	`<section>`
	`<document>`
	`<documentDetails>`
	`<originatorBgnr></originatorBgnr>`
	`<documentDetails>`
	`<document>`
	`</section>`
	`</batch>`
	The delivery is reported back
		Unable to read file. Alarm at Bankgirot.

VB19	*For many incorrect documents* The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB21	Both bgnr and originator alias may not be used simultaneously. The delivery report contains the bgnr specified within the batch / batchDetails / bgnr The delivery is reported back	Unable to read file. Alarm at Bankgirot.
VB22	Incorrect character in delivery The delivery is not reported back	Unable to read file. Alarm at Bankgirot.
VB23	*Delivery file is too large and is rejected* File size must be a maximum of 500Mb	The file is rejected and not processed at Bankgirot.

12.2   VS Error codes

Code	Description (in italics in the customer message)	Action
VS01	*Number of records in the delivery is not equal to the specified number of sections* The number of sections in **totalDocuments** does not match the number of delivery. <section> <sectionDetails> <**totalDocuments**></**totalDocuments** > </sectionDetails> </section>	Check the late file and correct the data.
VS02	*Originator in the section completed* **bgnr** the status = 'D' i tabellen EWH_BGNR. <batch> <section **bgnr**></section> </batch>	Contact Bankgirot. Enter your agreementbgnr.
VS03	*Originator in the section is not connected to the service bureau* Utställarens kundnummer, vars **bgnr** är ansluten till, är ej ansluten till en servicebyrå i tabellen EWH_ORIGINATOR. Exhibitor's customer number (which the bgnr is connected to) is not connected to a service bureau in the table EWH_ORIGINATOR. <batch> <section **bgnr**></section> </batch>	Contact Bankgirot. Enter your agreementbgnr.
VS04	*BGNR the section does not belong to the same company that BGNR on delivery* bgnr must be the same as bgnr at delivery level. <batch> <section **bgnr**></section> </batch> <batch> <batchDetails> <**bgnr**></**bgnr** > </batchDetails> </batch>	The sender may verify the sent file and correct the data.
VS05	*Originator in the document not posted* bgnr is not registered in the table EWH_BGNR. <batch> <section **bgnr**></section> </batch>	Contact Bankgirot. Enter your agreementbgnr.
VS07	The contents of the section bar has too many characters	The section containing the documents must be re-sent
VS08	Both bgnr and originator alias can not be used mutually	Fix so only bgnr or exhibitor alias used

12.3   VD Error codes

All the MD code is validated by the Web Hotells Code except VD16 and VD17 being validated against the receiver specific schedule.

Code	Description (in italics in the customer message)	Action
VD01	*Originator in document is not registred.* Originator has status "D" in the database table ewh_bgnr. The document is rejected. Validated for B2C and B2B.	Contact Bankgirot and check that the agreement is properly registered in the Bankgirot records.
VD02	*BGNR the document does not belong to the same company that BGNR in section* bgnr originatorBgnr and must be equal. <section id="20080210233454" **bgnr**="0055986459" bgnrType="originator"> ... <documentDetails> <**originatorBgnr**>0055986459</originatorBgnr> </documentDetails> The document is rejected. Validated for B2C and B2B.	Incorrect structure. The sender must check his file to bgnr is the same on both the document level and section level.
VD03	*Documents Duplicate* Double check that bgcID (Unique ID) is unique; <document id="544729296" **bgcID**="2008-02-10-23.34.54.244269"... The document is rejected. Validated for B2C and B2B.	Contact Bankgirot.
VD04	*Unique Id is malformed or missing* bgcID (Unique id) missing or wrong format, <document id="544729296" **bgcID**="2008-02-10-23.34.54.244269"... bgcID appointed by the StreamServe. The document is rejected. Validated for B2C and B2B.	Contact Bankgirot. Incorrect document id set of Bankgirot converter.
VD05	*Template ID is missing* **templateID** missing BGCInvoice document tag or is not set. <document id="544729296" bgcID="2008-02-10-23.34.54.244269" type="INV01" distribution="B2C" originPaper="false" **templateID**="1"> The document is rejected. Validated for B2C and B2B.	The sender may verify that the template id is specified in the file. Otherwise contact Bankgirot.
VD06	*Template closed* Mall **templateID** have not found, <document id="544729296" bgcID="2008-02-10-23.34.54.244269" type="INV01" distribution="B2C" originPaper="false" **templateID**="1"> The document is rejected. Validated for B2C and B2B.	Contact Bankgirot. Incorrect template has angivets in the file
VD07	*Template is not prepared* Template with **templateID** status "D" (Deleted) or 'U' (Unused) in the database table ewh_template, <document id="544729296" bgcID="2008-02-10-23.34.54.244269" type="INV01" distribution="B2C" originPaper="false" **templateID**="1"> The document is rejected. Validated for B2C and B2B.	Contact Bankgirot. Incorrect template has angivets in the file.
VD08	*Currency code absencent*	Check the sent file and

Code	Description (in italics in the customer message)	Action
	currency missing BGCInvoice total mount tag, <invoiceTotal> <totalAmount currency="XXX"></totalAmount> </invoiceTotal> The document is rejected. Validated for B2C and B2B.	correct the data.
VD09	*Currency code incorrect* Defined in the batch system configuration InitConfig.xml. Valid currency codes: **USD** and **EUR**. The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD10	*Changeable amount (CHANGEABLE_AMOUNT) missing* **changeableAmount** missing, <bankCustomer> <**changeableAmount**>true</changeableAmount> </bankCustomer> The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD11	*Payment method absence* **code** is missing in BGCInvoice method tag, <invoice> <payment> <method **code**="XX"></method> </payment> </invoice> The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD12	*Kundreferenstyp (CUST_TYPE) wrong,* **type** is missing or incorrect in the banking customer -> identifier tag OR tag identifier; <bankCustomer> <identifier **type**="BE">0124198107197512</identifier> </bankCustomer> <identifier **type**=""/></buyer> Defined in the batch system configuration InitConfig.xml. Valid currency codes: BE and EG.	Check the sent file and correct the data.
VD13	*Receiver missing* **addresseeID** not specified or originator is not tied to a print bureau, <documentDetails> < **addresseeID** >1234567</ addresseeID > </documentDetails> The document is rejected. Validated only for B2B.	Check the sent file and correct the data. Check with Bankgirot on e-invoice address.
VD14	*Receiver not posted* **addresseeID** that is not registered missing from the database <documentDetails> < **addresseeID** >1234567</ addresseeID > </documentDetails> The document is rejected. Validated only for B2B	Check the sent file and correct the data. Check with Bankgirot on e-invoice address.
VD15	*Receiver closed* **addresseeID** *closed* <documentDetails> < **addresseeID** >1234567</ addresseeID > </documentDetails>	The shipper must contact his client.

Code	Description (in italics in the customer message)	Action
	The document is rejected. Validated only for B2B.	
VD16	*Recipient required values are missing and / or is not on the recipient specified format* The document is rejected. Validated only for B2B.	Check the sent file and correct the data based on the recipient's designated / unique controls.
VD17	*Format error* The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data. General control of e-invoice's XML Schema.
VD18	*Failed to set default values* Originator´s default values are missing in the database table ewh_origin_def. The document is rejected. Validated for B2C and B2B.	Contact Bankgirot.
VD19	*Distribution value is not correct* The value of the distribution is missing or not B2B, B2C or STO, <document id="544729296" bgcID="2008-02-10-23.34.54.244269" type="INV01" **distribution**="B2C" originPaper="false" templateID="1"> The document is rejected. Validated for B2C and B2B.	Check that the distribution method is specified in the file. Otherwise contact Bankgirot.
VD20	*Invoice Date (INVOICEDATE) is missing or wrong value* <invoiceDetails> <invoiceDate>xxxx-xx-xx</invoiceDate> </invoiceDetails> The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD21	*Fakturareferensnummer (INVOICEID) saknas* <document ... **id**="xxxxx"></document> The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD22	*Förfallodag (PMTDUEDATE) saknas eller har felaktigt värde* <invoice id="544729296" type="INV01"> <payment status="unpaid"> <dueDate>2008-03-03</dueDate> </payment> </invoice> The document is rejected. Validated only forB2C.	Check the sent file and correct the data.
VD23	*Total amount (TOTALAMT) missing* <invoiceTotal> <totalAmount ...>xxx.xx</totalAmount> </invoiceTotal> The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD24	*Payment Account (ACCOUNT) is missing* <seller> <accounts> <account ... id="xxxxxxxxx" /> </accounts> </seller>	Check the sent file and correct the data.

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Code	Description (in italics in the customer message)	Action
	The document is rejected. Validated only for B2C.	
VD25	*Girotyp (ACCOUNT TYPE) saknas* <seller> <accounts> <account ... type="XX" /> </accounts> </seller> The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD26	*Recipient XSL incorrect* The document is rejected. Validated only for B2B.	Contact the Bankgirot
VD27	*Recipient scheme incorrect* The document is rejected. Validated only for B2B.	Contact the Bankgirot
VD28	*Mottagarreferens (CUST_TYPE_NUM) saknas* **identifier** is missing or incorrect in bankCustomer/@identifier <bankCustomer> <identifier **type**="BE">0124198107197512</identifier> </bankCustomer> <identifier **type**=""/></buyer> The document is rejected. Validated only for B2C	Check the sent file and correct the data.
VD29	*Changeable amount (CHANGEABLE_AMOUNT) incorrect* **changeableAmount** incorrect <bankCustomer> <**changeableAmount**>true</changeableAmount> </bankCustomer> A valid value must be **true** or **false**. The document is rejected. Validated only for B2C.	Must be **true** or **false**. The sender may verify the sent file and correct the data.
VD30	*Payment method (PMTTYPE) incorrect* <invoice> <payment> <method code="XX"></method> </payment> </invoice> The document is rejected. Validated only for B2C.	Will be **EG**, **EA** or **EF**. The sender may verify the sent file and correct the data.
VD31	*Payment Account (ACCOUNT) incorrect (must contain numbers only)* id must only contain numbers and may only be up to 10 digits long, <seller> <accounts> <account ... id="xxxxxxxxx" /> </accounts> </seller> The document is rejected. Validated only for B2C.	May only be numbers. The sender may verify the sent file and correct the data.
VD32	*Girotyp (ACCOUNT TYPE) incorrect* <seller> <accounts>	Should be **BG** or **PG**. The sender may verify the sent file and

Code	Description (in italics in the customer message)	Action
	<account ... type="XX" /> </accounts> </seller> Valid values BG or PG. The document is rejected. Validated only for B2C.	correct the data.
VD33	*Totalt belopp (TOTALAMT) inkorrekt* <invoiceTotal> <totalAmount ...>xxx.xx</totalAmount> </invoiceTotal> Total amount may be a maximum of 9999999999.99. The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD34	*Document type missing* <document ... **type**="xxxxx"></document> Valid document types for B2C are: INV01, INV02, INV03 and DOK01. The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD35	*Customer number (CUST_ID) is incorrect* <buyer id="8107197512" **sellerID**="509815"> Maximum number of characters for customer number is 16. The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD36	*Customer Reference (CUST_TYPE_NUM) is incorrect* <bankCustomer> <**identifier** type="BE">0124198107197512</identifier> </bankCustomer> <**identifier** type=""/></buyer> Maximum number of characters for customer reference is 80. The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD37	*Customer reference type (CUST_TYPE) is incorrect* <bankCustomer> <identifier **type**="BE">0124198107197512</identifier> </bankCustomer> <identifier **type**=""/></buyer> Maximum number of characters for customer reference is 5. The document is rejected. Validated for B2C and B2B.	Check the sent file and correct the data.
VD38	*The invoice has a negative total amount* <invoiceTotal> <totalAmount ...>xxx.xx</totalAmount> </invoiceTotal> Valideras både för debet- (INV01) och kreditfakturor (INV02). The document is rejected. Validated only for B2C.	Check the sent file and correct the data.
VD39	*Customer reference non-numeric* <bankCustomer> <**identifier** type="BE">0124198107197512</identifier>	Check the sent file and correct the data.

Code	Description (in italics in the customer message)	Action
	</bankCustomer> <**identifier** type=""/></buyer> Kundreferensen innehåller något annat tecken än siffror or is more then 16 The document is rejected. Validated only for B2C.	
VD40	*Originator or the receiver must belong to a* Bankgirot - *bank* <documentDetails> <originatorIntermediator></originatorIntermediator> <addresseeIntermediator></addresseeIntermediator> </documentDetails> If the recipient is a Intermediator either originator or recipient must belong to a Bankgirot bank. The document is rejected. Validated only for B2B.	Contact invoice or receiver and check bank affiliation.
VD41	*Message ID is missing for the invoice* <document bgcID="2007-05-01-16.49.51.112222" id="192" type="INV01" distribution ="B2B" templateID=" Error Error Error " messageTimestamp="2007-05-01- 16.49.51.112222" **messageID**="abc123"> The document is rejected. Validated only for B2B.	The sender may verify the sent file and correct the data.
VD42	*Message Timestamp missing for invoice* <document bgcID="2007-05-01-16.49.51.112222" id="192" type="INV01" distribution ="B2B" templateID="=" Error Error Error " **messageTimestamp**="2007-05-01-16.49.51.112222" messageID="abc123"> The document is rejected. Validated only for B2B.	Check the sent file and correct the data.
VD43	*Duplicate error, an invoice with the originator message* *ID and timestamp is already registered in the* *system*<document bgcID="2007-05-01-16.49.51.112222" id="192" type="INV01" distribution="B2B" templateID=" Error Error Error " **messageTimestamp**="2007-05-01- 16.49.51.112222" **messageID**="abc123"> The combination message timestamp and messageID is already stored in the database. The document is rejected. Validated only for B2B	Check the sent file and correct the data.
VD44	*Invoice recipient Intermediator are not registered* <documentDetails> <**addresseeIntermediator**>NDEASESS</addresseeIn termediator> Intermediator is not registered in the database table EWH Intermediator.	Contact the recipient and correct the data.
VD45	*The invoice does not meet EU regulations* 2008-05-30 felkoden används inte.	Check the sent file and correct the data.
VD46	*B2C invoices may not be sent via intermediatorer not* *belonging to* Bankgirot	Check the sent file and correct the data.
VD47	*Intermediator must not send to a goldcustomer*	Contact the recipient / beneficiary's bank.

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Code	Description (in italics in the customer message)	Action
VD48	*Gold customer may not send to a intermediator*	Contact your bank agreement.
VD49	*Gold customer may not send to other gold customer*	Contact your bank agreement.
VD50	*Since the issuer is a gold customer must issuer and belong to the same bank*	Contact your bank agreement.
VD51	*Since the receiver is a gold customer must issuer and belong to the same bank*	Contact your bank agreement.
VD52	*Gold customer may not send B2C invoice*	Check the sent file and correct the data.
VD54	Both bgnr and originator alias may not be used simultaneously	Fix so only bgnr or originator alias used
VD55	Originator alias is not registered in the system	Check alias and send the invoice
VD56	Originator bank must not send documents to the receiving bank	Contact your contract bank.
VD57	Receiving bank may not receive the document from the originator bank.	Contact your contract bank.
VD58	Incorrect OCR/ message flag.	
VD60	*The document is too large* *The document, without attachment, may be up to 5Mb*	The document is rejected. Reduce the size of the document.
VD61	*The attachment is too large* The document and its attachment may be up to 50Mb	The document is rejected. Reduce the size of the attachment.
VD62	*Unable to decode the attachment*	The document is rejected. Check the sent file and correct the attachment.
VD63	*Intermediator is missing*	The document is rejected. Check the sent file and correct the value.
VD64	*The value of the element buyer/name is too large.* The value cannot be more than 200 characters. <buyer> <name></name> </buyer>	The document is rejected. Check the sent file and correct the value.
VD65	*The value of the element invoiceNumber is too large* invoiceNumber cannot be more than 100 characters. <invoiceDetails> <invoiceNumber></invoiceNumber> </invoiceDetails>	The document is rejected. Check the sent file and correct the value.

VD66	*The Document has one or more incorrect chracters.* Approved characters are those included in ISO-8859-1.	The document is rejected. Check the sent file.
VD67	*The attachment is missing one or more mandatory values for the element encodedObject.* encodedObject/@objectID is empty. see chapter 8.3.21 for more information	The document is rejected. Check the sent file and correct the value.

13   Service Pages

The originator and addressee that use the electronic invoice system can look at a service interface for invoices sent to Bankgirot.

To access the service, an application for authorisation must be sent to Bankgirot. See the table below for instructions.

If you	then...
Want to add a new user who should have access to the Service Pages	1. Go to www.Bankgirot.se 2. Choose About our services ►Invoices. 3. Click on Bankgirot. 4. Choose how you want to log in, Service Pages certification or Service Pages production, in the menu on the right. 5. Click on the link Download the form to apply for or update authorisation. 6. **Result**: The form is downloaded. 7. Complete the form and send it to Bankgirot as instructed.
Want to log in	8. Follow the above log-in process up to and including item 4. 9. Login by entering your user name and password
Have forgotten your user name or password	Contact electronic invoice support at Bankgirot.

The administrator can then in the same way log in at the following addresses https://www.bgcinvoice.com (production) and https://www.bgcinvoice.com/service_pages for certification

The bank giro numbers linked to an administrator are presented in a list. Under the Invoice button, the administrator can search through stored invoices by clicking on customer number, invoice reference or due date.

Reference: For more information about how to use the Service Page, refer to the document *Användarhandbok Servicesidorna - Utställare* (Users Manual for Service Pages – Originator) or *Användarhandbok Servicesidorna - Mottagare* (Users Manual for Service Pages – Receiver) which can be downloaded at https://www.bankgirot.se.

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14 Recommendations concerning invoice contents

14.1 EU directives

Below are the invoice details that are mandatory for an invoice to be considered valid in accordance with EU directive (2010/45/EU).

14.1.1 Interpretation of the EU directive according to NEA (the Swedish Alliance for Electronic Business)

http://content.foreningshuset.se/kundmappar/7532/NEA-rapport_2_faktureringsdirektivet.pdf

General mandatory information according to the EU directive:

- Issue date
- Invoice number
- VAT registration number for seller and buyer
- Name and address for buyer and seller
- The quantity and type of delivered goods and the scope and type of the service, etc.
- Net, VAT and total amounts
- The VAT amount must be expressed in the national currency.

Required information to be introduced January 1, 2013 based on EU directive

- For the purposes of the cash method, enter "cash method"
- For the purposes of self-billing / self-billing, enter "self billing"
- When the buyer is responsible for payment, enter "reverse charge
- For the application of reverse charge
- When the margin-taxation of travel agents referred to "profit-tax for travel agents"
- When the margin-tax second-hand goods, works of art, etc., stated "margin scheme for second hand, profit-taxation of works of art, respectively. margin scheme for collectibles and antiques "

14.2   Electronic invoice B2B standard invoice and presentation in standard template

Below is a list of the most common invoice details in a debit invoice and the BGC Invoice equivalent, expressed as element or attribute. The list covers the mandatory details that are required according to the EU directive.

BGC Invoice is an extensive invoice format with options to use several similar elements/attributes to describe the same invoice detail. This list is a guideline for which element or attribute should be used for the respective invoice details.

The Significance/Importance column indicates if the element is mandatory or optional from the electronic invoice system's perspective. In many instances the principal element is optional but when used, the subordinate element or attribute becomes mandatory. Check to ascertain the significance of the element, see chapter 8.

All of the below XML elements are presented in the Standard Template Full Text for electronic invoice B2B.

Invoice detail Description	XML element	Significance/ Importance
Delivery address	*(delivery address is optional; if delivery address is used, the values marked below are mandatory)*	
Name	invoice/delivery/deliveree/name	Optional
Unit/department	invoice/delivery/deliveree/deliveryAddress/reference	Optional
Street name	invoice/delivery/deliveree/deliveryAddress/street	Optional
Postal code	invoice/delivery/deliveree/deliveryAddress/town/@postCode	Optional
City	invoice/delivery/deliveree/deliveryAddress/town	Optional
Country	invoice/delivery/deliveree/deliveryAddress/country	Optional
Country code	invoice/delivery/deliveree/deliveryAddress/country/@code	Optional
Invoice address		
Name	invoice/buyer/name	Mandatory
Unit/department	invoice/buyer/postalAddress/reference	Optional
Street name	invoice/buyer/postalAddress/street	Optional
Location, area	invoice/buyer/postalAddress/location	Optional
Postal code	invoice/buyer/postalAddress/town/@postCode	Optional
City	invoice/buyer/postalAddress/town	Optional
Country	invoice/buyer/postalAddress/country	Optional
Country code	invoice/buyer/postalAddress/country/@code	Optional

Our reference		
Name	invoice/seller/salesContact/name	Optional
Phone	invoice/seller/salesContact/phone	Optional
Fax	invoice/seller/salesContact/fax	Optional
Email	invoice/seller/salesContact/email	Optional
Rereference-ID	invoice/seller/salesContact/text	Optional
Your reference		
Name	invoice/buyer/contact/name	Mandatory
Phone	invoice/buyer/contact/phone	Optional
Fax	invoice/buyer/contact/fax	Optional
Email	invoice/buyer/contact/email	Optional
Rereference-ID	invoice/buyer/identifier[@type='EID'] (Prio 1) invoice/buyer/contact/url (Prio 2) invoice/buyer/contact/text (Prio 3)	Mandatory

Other information		
Invoice type	invoice/@type	Mandatory
Invoice number	invoice/invoiceDetails/invoiceNumber	Mandatory
Customer number	invoice/buyer/@sellerID	Optional
Invoice date	invoice/invoiceDetails/invoiceDate	Mandatory
Your supplier no.	invoice/seller/@buyerID	Optional
Your cost centre	invoice/invoiceDetails/costCenter	Optional
Your order number	invoice/invoiceDetails/orderReference/@id	Optional
Your VAT reg. no.	invoice/buyer/vatDetails/vatNumber	Mandatory
Delivery date	invoice/delivery/date	Optional
Waybill number	invoice/delivery/@id	Optional
Delivery note no.	invoice/delivery/noteNumber	Optional
Delivery terms	invoice/delivery/terms	Optional
Delivery method	invoice/delivery/method	Optional
Our invoice reference	invoice/invoiceDetails/sellerReference	Optional
Our order date	invoice/invoiceDetails/orderReference/date	Optio

		nal
Our order number	invoice/invoiceDetails/orderReference/@id	Optional
Payment terms	invoice/payment/terms	Optional
Due date	invoice/payment/dueDate	Mandatory
Overdue interest	invoice/payment/overDueFine (prio 1) invoice/payment/overDueFine/@rate (prio 2)	Optional
Stipulated for payment (Used only for Debit and Interest Invoice)	invoice/invoiceDetails/identifier[@type='OCR'] (prio 1) invoice/invoiceDetails/identifier[@type='payment'] (prio 2) invoice/epiDetails/paymentInstructions/remittanceID (prio 3)	Mandatory
Crediting invoice number	invoice/invoiceDetails/invoiceReference/@id	Optional

Row information (Used only for Debit and Credit note)		
Text	invoice/invoiceRow/text	Optional
Article no.	invoice/invoiceRow/article/@id	Optional
Name	invoice/invoiceRow/article/name	Optional
Delivered number of units	invoice/invoiceRow/quantity	Optional
Units (Delivered amount)	invoice/invoiceRow/article/unit (prio 1) invoice/invoiceRow/quantity/@unitCode (prio 2) invoice/invoiceRow/unit/@code (prio 3)	Optional
Piece price	invoice/invoiceRow/unitPrice	Optional
Discount	invoice/invoiceRow/discount/@percent (prio 1) invoice/invoiceRow/discount/amount (prio 2)	Optional
Amount VAT	invoice/invoiceRow/vatAmount	Optional
Amount net	invoice/invoiceRow/netAmount	Optional
Currency	invoice/invoiceRow/netAmount/@currency	Mandatory
Delivery date	invoice/invoiceRow/rowDeliveryReference/date	Optional

Delivery number	invoice/invoiceRow/rowDeliveryReference/@id	Optional
Order date	invoice/invoiceRow/rowOrderReference/date	Optional
Your order number	invoice/invoiceRow/rowOrderReference/@buyerID	Optional
Our order number	invoice/invoiceRow/rowOrderReference/@id	Optional

Row Information *(Used only for Interest Invoice)*		
Text	invoice/invoiceRow/text	Optional
Invoice No.	invoice/invoiceRow/rowInvoiceReference/@id	Optional
Invoice date	invoice/invoiceRow/rowInvoiceReference/date	Optional
Due date	invoice/invoiceRow/rowPaymentReference/payment/dueDate	Mandatory
Payment date	invoice/invoiceRow/rowPaymentReference/payment/date	Optional
Number of days	invoice/invoiceRow/rowPaymentReference/payment/interest/@days	Optional
Interest rate	invoice/invoiceRow/rowPaymentReference/payment/interest/@rate	Optional
Invoice amount	invoice/invoiceRow/rowPaymentReference/payment/totalAmount	Mandatory
Interest amount	invoice/invoiceRow/rowPaymentReference/payment/interest/amount	Optional

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Expenditure e.g. packaging		
Other expenditure - text	invoice/invoiceDetails/expenses/text	Optional
Other expenses - amounts	invoice/invoiceDetails/expenses/netAmount	Optional
Currency	invoice/invoiceDetails/expenses/netAmount/@currency	Optional

Freight		
Freight text	invoice/invoiceDetails/freightDetails/text	Optional
Freight amount	invoice/invoiceDetails/freightDetails/freightAmount	Optional
Currency	invoice/invoiceDetails/freightDetails/freightAmount/@currency	Optional

Compilation of different VAT rates used at line level		
VAT subject amount	invoice/invoiceDetails/vatAmount/@base	Optional
VAT subject (percent)	invoice/invoiceDetails/vatAmount/@rate	Optional
VAT amount	invoice/invoiceDetails/vatAmount	Optional
Currency	invoice/invoiceDetails/vatAmount/@currency	Mandatory

Invoice discount		
Text	invoice/invoiceDetails/discountDetails/discount/text	Optional
Percentage	invoice/invoiceDetails/discountDetails/discount/@percent	Optional
Net amount	invoice/invoiceDetails/discountDetails/discount/netAmount	Optional

Currency	invoice/invoiceDetails/discountDetails/discount/netamount/@currency	Optional

Totals		
VAT subject amount	invoice/invoiceDetails/invoiceTotal/netAmount	Optional
Currency (VAT subject amount)	invoice/invoiceDetails/invoiceTotal/netAmount/@currency	Mandatory
VAT amount	invoice/invoiceDetails/ invoiceTotal/vatAmount	Optional
Currency (VAT)	invoice/invoiceDetails/ invoiceTotal/vatAmount/@currency	Mandatory
Round-off to nearest krona	invoice/invoicedDetails/invoiceTotal/roundingAmount	Optional
Currency (rounded off)	invoice/invoiceDetails/invoiceTotal/roundingAmount/ @currency	Mandatory
Amount to pay	invoice/invoiceDetails/invoiceTotal/totalAmount	Mandatory
Currency	invoice/invoiceDetails/invoiceTotal/totalAmount/@currency	Mandatory

Messages/terms		
Message text	invoice/invoiceDetails/text	Optional
Stipulates if VAT is included or not	invoice/invoiceDetails/legislationDetails/vatIncluded	Optional
Stipulates EUR details	invoice/invoiceDetails/legislationDetails/euInfo	Optional
Stipulates VAT legislation text	invoice/invoiceDetails/legislationDetails/euInfo	Optional
Stipulates tax information	invoice/invoiceDetails/legislationDetails/fTaxStatement	Optional

Sender (invoice footer)		
The company's name	invoice/seller/name	Mandatory
Street name	invoice/seller/postalAddress/street	Optional
Location, area	invoice/seller/postalAddress/location	Optional
Postal code	invoice/seller/postalAddress/town/@postCode	Optional
City	invoice/seller/postalAddress/town	Optional
Country	invoice/seller/postalAddress/country	Optional
Country code	invoice/seller/postalAddress/country/@code	Optional
Fax	invoice/seller/mainContact/fax	Optional
Phone	invoice/seller/mainContact/phone	Optional
Plusgiro	invoice/seller/accounts/account[@type='PG']	Optional
Bank giro	invoice/seller/accounts/account[@type='BG']	Mandatory
Bank	invoice/seller/bank/name	Optional
BIC	invoice/seller/accounts/account[@type='IBAN']/@bic	Optional
IBAN	invoice/seller/accounts/account[@type='IBAN']	Optional
Corp. identity no.	invoice/seller/@id	Mandatory
VAT registration no.	invoice/seller/vatDetails/vatNumber	Mandatory
Board headquarters	invoice/seller/vatDetails/homeTown	Optional
Registered for corporate tax	invoice/seller/vatDetails/vatRegistration	Optional

14.3 Information on ERP systems

In some cases it may be helpful to have information about the ERP system that has created BGC Invoicefilen eg When Bankgirot or banks to troubleshoot an e-invoice. This is the willing information and Bankgirots recommend that it is entered as an XML comment in the examples

Examples of introduction to information on ERP system that has created the BGC Invoice

```
<document id="0091954051" type="INV02" distribution="B2B" originPaper="false" templateID="1">
<documentDetails>
<originatorBgnr>0012345678</originatorBgnr>
</documentDetails>
<invoice id="0091954051" type="INV02">
<!--ERP: Visma Control-->
<!--Version: 6.1-->
<invoiceDetails>
```

Examples of introduction to information on converting from format x to BGC invoice, at Bankgirot

```
<document id="0091954051" type="INV02" distribution="B2B" originPaper="false" templateID="1">
<documentDetails>
<originatorBgnr>0012345678</originatorBgnr>
</documentDetails>
<invoice id="0091954051" type="INV02">
<!--Original format: Svefaktura-->
<!--Version: 111023-->
<invoiceDetails>
```

Examples of introduction to information about the virtual printer in BGC invoice

```
<document id="0091954051" type="INV02" distribution="B2B" originPaper="false" templateID="1">
<documentDetails>
<originatorBgnr>0012345678</originatorBgnr>
</documentDetails>
<invoice id="0091954051" type="INV02">
<!--Virtual printer: PeptoSystem-->
<!--ERP: Visma Control-->
<!--Version: 6.1-->
<invoiceDetails>
```

15 Presentation of invoices for B2B.

When e-invoices sent by Bankgirot to recipients in internetbanks, Bankgirots invoice presentation is used to show an invoice image for the recipient.

Bankgirot offers a standard template for invoice presentation. If an invoice issuer wishes to create a custom invoice template, there is a description of the technology for invoice templates in section 16.

If the invoice issuer wishes to have its logo on their invoice template , send it to Bankgirot support. Bankgirot will then host the logo and it can be linked to the template. The invoice issuer can also upload the logo on Bankgirot E-invoice service pages.

If an attachment is sent with the invoice it is presented to the recipient according to figure 15.1 below.

Fig 15.1 Example of the invoice presentation with an attachment

The following applies only to electronic invoice business-to-business (B2B).
Different invoice definitions are used to present invoice data and create an image for the addressee. Below are the four initial definitions. The invoice types make it possible for the logic that creates and presents the images to know which information to get and present. The following invoice definitions are supported:

- INV01 – Debit invoice
- INV02 – Credit note
- INV03 – Invoice with direct debit

15.1 Example of a debit invoice (INV01) on the Service Pages

Testbolaget AB   Faktura

Fakturanr	Kundnr	Fakturadatum
90346	10	2005-02-11

Leveransadress
Kalles Livs AB
Lugna gatan 1, Box 6732

SE 112 20 Stockholm
Sverige

Fakturaadress
Kalles Livs AB
Lugna gatan 3, Box 6732

SE 112 20 Stockholm
Sverige

Vår referens
Anders Andersson

Telefon: 08-7929500
Fax: 08-7929500
E-post: test.faktura@testbolaget.se

Er referens
Peter Petterson

Telefon:
Fax:
E-post:

Ert kostnadsställe	99187	Vår fakturareferens	90346
Ert ordernr	9876	Vårt orderdatum	
Ert momsreg.nr	SE121212121201	Vårt ordernr	6293
Leveransdatum	2005-02-07	Betalningsvilkor	
Leveransnummer		Förfallodatum	2005-03-11
Leveransvilkor	Fritt vårt lager	Dröjesmålsränta	12.00%
Leveranssätt	Post	Anges vid betaln.	

Artnr	Benämning	Lev ant Enh	á-pris	Rabatt (%)	S:a moms	S:a netto
S-123	Syltburkar, 250	3.00	101,00	0,00	75,75	303,00
L-243	Syltskedar	2.00	35,00	10,00	15,00	60,00
L-444	Syltburk	3.00 st	1,07	0,00	0,80	3,21
Lyxprodukter						

Moms 25.00%		91,55 SEK
Totaler		
Momspl belopp		366,21 SEK
Moms		91,55 SEK
Öresavr		0,24 SEK
Netto 366,21 SEK	**ATT BETALA**	**458,00 SEK**

Meddelande/vilkor
Anmärkningar mot denna faktura ej gjorda inom 8 dagar godkännes ej. Tack för ordern och hoppas allting varit till er belåtenhet!

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15.2   Example 2

Testbolaget AB

Faktura

Fakt nr	Kundnr	Fakturadatum
90346	10	2005-02-11

Leveransadress
Kalles Livs AB
Lugna gatan 1, Box 6732

SE-112 20 Stockholm
Sverige

Fakturaadress
Kalles Livs AB
Lugna gatan 3, Box 6732

SE-112 20 Stockholm
Sverige

Vår referens
Anders Andersson

Telefon: 08-7929500
Fax: 08-7929500
E-post: test.faktura@testbolaget.se

Er referens
Peter Petterson

Telefon:
Fax:
E-post:

Ert leverantörsnr		Vår fakturareferens	90346
Ert kostnadsställe	99187	Vårt orderdatum	
Ert ordernr	9876	Vårt ordernr	6293
Ert momsreg.nr	SE121212121201	Betalningsvillkor	
Leveransdatum	2005-02-07	Förfallodatum	2005-03-11
Leveransnummer		Dröjsmålsränta	12,00 %
Leveransvillkor	Fritt vårt lager	Anges vid betalning	
Leveranssätt	Post		

Artnr	Benämning	Lev ant	Enh	à-pris	Rabatt (%)	S:a moms	S.a netto
S-123	Syltburkar, 250	3,00	gram	101,00	0,00	75,75	303,00 SEK
L-243	Syltskedar	2,00		35,00	10,00	15,00	60,00 SEK
L-444	Syltburk	3,00	st	1,07	0,00	0,80	3,21 SEK
Lyxprodukter							
					Moms 25,00 %		91,55 SEK

Bilden är skapad utifrån den elektroniska fakturan

Totaler
Momspl belopp	366,21 SEK
Moms	91,55 SEK
Öresavr	0,24 SEK
ATT BETALA	458,00 SEK

Meddelande/vilkor
Anmärkningar mot denna faktura ej gjorda inom 8 dagar godkännes ej. Tack för ordern och hoppas allting varit till er
belåtenhet!
Moms ingår
Euro är bra
extra skatteinfo

Adress	Telefon	Plusgiro	Bank	Swift
Testbolaget AB		7896213-9		
Täbyvägen 27, Box 4040	**Organisationsnr**	**Bankgiro**	**IBAN**	
	556647-5330	5713-4892		
SE-182 46 Enebyberg	**Företagets säte**	**Momsreg.nr**		
Sverige	Enebyberg	SE556647533001	**Innehar F-skattebevis**	

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Presentation of invoices for companies.

The following applies only to electronic invoice business-to-consumer (B2B).

Presentation of invoice data and the creation of the image to the invoice recipient, different invoice definitions. Below are the three definitions that exist initially. The purpose of invoice types is that the logic which creates and presents the images.
The following are the relevant invoice types:
- INV01 – invoice
- INV02 – credit note
- INV03 – invoice with direct debit

For credit invoice to customers who have direct debit it is recommend by Bankgirot to use invoice type INV02 used to ensure that the invoice is presented as a credit note in the Internet bank. If desired, the exhibitor to enter in free text that crediting will be done via direct debit.

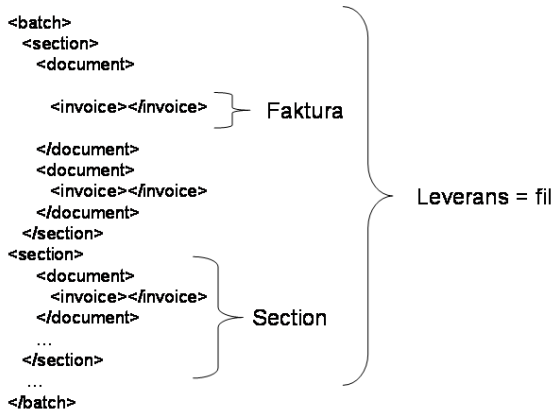## 15.3 Debit invoice - INV01
15.3.1 XML element

Description	XML element
Invoice number	Invoice/@id
Invoice type	Invoice/@type
Invoice type	Invoice /invoiceDetails/invoiceType/@code
Invoice number	Invoice /invoiceDetails/invoiceNumber
Invoice date	Invoice /invoiceDetails/invoiceDate
Net amount	Invoice /invoiceDetails/invoiceTotal/netAmount
VAT amount	Invoice /invoiceDetails/invoiceTotal/vatAmount
Total amount	Invoice /invoiceDetails/invoiceTotal/totalAmount
Seller's corp. id. no.	Seller/@id
Seller's bgnr	Seller/@bgnr
Seller's name	Seller/name
Seller's VAT reg. no.	Seller/vatDetails/vatNumber
Seller's VAT text	Seller/vatDetails/vatRegistration
Seller's city	Seller/vatDetails/homeTown
Seller's name	Seller/postalAddress/name
Seller's street name	Seller/postalAddress/street
Seller's PO Box	Seller/postalAddress/postOfficeBox
Seller's city	Seller/postalAddress/town
Seller's country	Seller/postalAddress/country
Seller's main contact	Seller/mainContact/name
Seller's bank giro no. or postgiro no.	Accounts/account
Type of giro number PG or BG	Accounts/account/@type
Identity of the buyer	Buyer/@id
Seller's customer number for the buyer	Buyer/@sellerID
Buyer's name	Buyer/@name

Buyer's address	Buyer/postalAddress
Buyer's name	Buyer/postalAddress/name
Buyer's street name	Buyer/postalAddress/street
Buyer's city	Buyer/postalAddress/town
Electronic address for the buyer, payment number or bank + national registration number	Buyer/bankCustomer/identifier
Type of identity	Buyer/bankCustomer/identifier/@type
Bank	Buyer/bankCustomer/bank/@id
OCR number	Buyer/bankCustomer/invoiceReference
Due date	Buyer/bankCustomer/date
Changeable amount	Buyer/bankCustomer/changeableAmount
Due date	Payment/dueDate
Net amount	Payment/netAmount
VAT amount	Payment/vatAmount
Total amount	Payment/totalAmount
Round off amount	Payment/roundingAmount
Invoice lines	Specification/lineItem
Date when the invoice details were created	epiDetails/identificationDetails/@date
OCR number	epiDetails/identificationDetails/reference
Information about the beneficiary	epiDetails/beneficiary
The bank giro or postgiro to which payment is to be deposited	epiDetails/account
Type of giro account, BG or PG	epiDetails/account/@type
OCR number	epiDetails/paymentInstructions/remittanceID
Invoice amount	epiDetails/paymentInstructions/instructedAmount
Payment date	epiDetails/paymentInstructions/optionDate
Debit or credit	epiDetails/paymentInstructions/optionDate /@type

16   Instructions for developing an XSL template

A template is linked to every document. This template must follow the XSL regulations defined by the W3C standard.

The electronic invoice service uses a parser to create an HTML page. The parser generates the HTML code from the XSL template and XML data. Images that are to be used in the template are sent to the electronic invoice system which stores them on a separate server.

```
<batch>
  <section>
    <document>

      <invoice></invoice>  ]─ Faktura

    </document>
    <document>
      <invoice></invoice>
    </document>
  </section>                      }─ Leverans = fil
  <section>
    <document>
      <invoice></invoice>
    </document>                   }─ Section
    …
  </section>
  …
</batch>
```

Faktura = Invoice   Leverans = Delivery   fil = file

Only the invoice is stored in the invoice table. This means that the only search path to the invoice is **/invoice/[…]/element name** For example, to get the invoice date, the XSL code is as follows:

<xsl:value-of select="invoice/invoiceDetails/invoiceDate "/>

Instructions

Description	Action
Search path to the image in the invoice.	The search path to the images must follow a standard. The standard is as follows: **/template/images/[**company name**]**/image name Note that the name and search path are case sensitive. Use therefore lower-case letters in the search path and in the image name. *Example*
The amount is presented with a decimal instead of a comma, since the amount is defined in the Schema with a decimal.	Use a translation command in XSL that translates decimal to comma.
The amount is to contain a thousand separator.	For example, to present the amount 10123.56: <xsl:when test="8=string-length(string(amount))"> <xsl:value-of select="substring(amount,1,2)"/> <xsl:value-of select="substring(amount,3,6)"/> </xsl:when>
Select an attribute	<xsl:value-of select="invoice/@id"/>

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Select an element	`<xsl:value-of select="invoice/invoiceDetails/invoiceDate"/>`

Select several elements, for instance two columns in an invoice row.	`<xsl:for-each select="invoice/specification/lineItem">`
	`  <xsl:value-of select="desc[@spec='Col1']"/>`
	`  <xsl:value-of select="desc[@spec='Col2']"/>`
	`</xsl:for-each>`

Select several elements but depending on the result, one or the other column is used.	`<xsl:for-each select="invoice/specification/lineItem">`
	`   <xsl:choose>`
	`      <xsl:when test="desc='faktura'">`
	`         <xsl:value-of select="desc[@spec='Col1']"/>`
	`       </xsl:when>`
	`      <xsl:otherwise>`
	`         <xsl:value-of select="desc[@spec='Col2']"/>`
	`       </xsl:choose>`
	`    </xsl:otherwise>`
	`</xsl:for-each>`

16.1 Example XSL template

The following is an example of how an XSL template is constructed. Pure HTML codes, supplemented with XSL codes are used within the body tags. The example below illustrates what getting the originator's name looks like.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE xsl:stylesheet [<!ENTITY nbsp " ">]>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
<html>
<style type="text/css">
.t20 {font-family: Arial, Helvetica, sans-serif; font-size: 20px; }
.t14 {font-family: Arial, Helvetica, sans-serif; font-size: 14px; }
.t12 {font-family: Arial, Helvetica, sans-serif; font-size: 12px;}
.t11 {font-family: Arial, Helvetica, sans-serif; font-size: 11px;}
.t10 {font-family: Arial, Helvetica, sans-serif; font-size: 10px;}
</style>
<body>
<span class="t10">Faktura avsändare</span><br/>
<xsl:value-of select="invoice/seller/postalAddress/name"/><br/>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

16.2 External assistance

Below are the URL addresses to external sites that provide more information about XSL.
http://www.w3schools.com/xsl

17   Contact details and addresses

Contact electronic invoice support at Bankgirot if you have questions about the format.
Phone: +46 (0)8 725 65 80
email: e-faktura@Bankgirot.se

NOTE! If you have questions about prices and agreement, please contact your local bankoffice.

Postal address	BANKGIROT 105 19 Stockholm
Visiting address	BANKGIROT Mejerivägen 1 Liljeholmen, Stockholm
Website	www.Bankgirot.se