User guide

How to write Secutix document templates with MS-Word

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1 Contents

2   Introduction

A document template refers to a sample document that has already some details in place. The dynamic parts will then be replaced during the generation process, depending on the context.

The document templates for Secutix are now written with the Microsoft Word editor (MS-Word 2010 onwards), and can contain directives to display a dynamic field or a macro depending on some conditions.

This document details the basic guidelines to write and edit such document templates.

3   Management of templates

3.1   Switch to MS-Word templates

Document model have a new attribute named 'Kind'. There are two possible kinds:

1. Assentis (for existing models)
2. Xdoc (for new MS-Word based templates)

It is possible to select the kind while creating a new document model for a given document type.
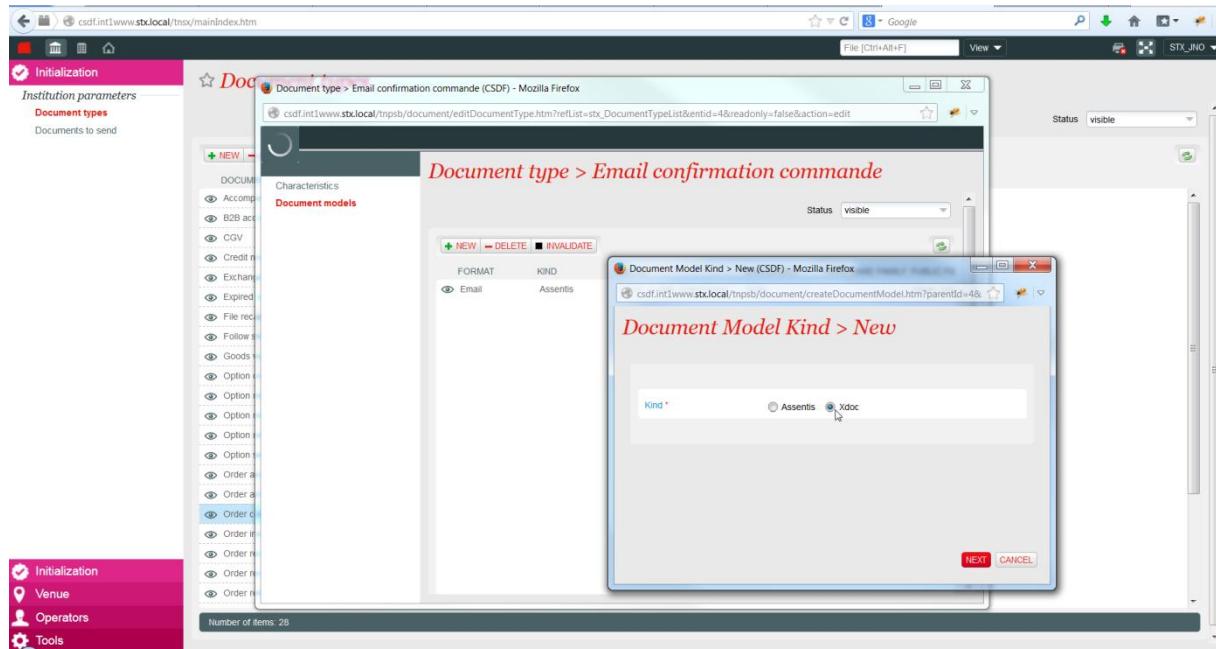
Figure 1: Kind of new document model

There can only be one "valid" document model for a given document type which will be used by Secutix for all purposes. It is possible to validate/invalidate both kinds of model. Hence, it provides a way to switch to ms-word templates / old templates as desired.

3.2   Creating MS-Word templates

Similar to existing templates, configuration parameters like Format, Public file name, hardware family must be specified. Thereafter, save the document model.

Figure 2: Document model creation

The newly created document model uses standard SecuTix templates by default.

3.3 Customize standard template

It is possible to customize template in a language and let SecuTix use it. Inside the model, go to document templates. Create a new template by clicking on "New" button.

Figure 3: Standard template customization

The standard template in the selected language for the given model can be downloaded by clicking on the button "Standard Template". See section Writing MS-Word template to prepare customized template which are derived from standard template. Once customized templates are ready for use, select the language and upload it. Thereafter, save the template.

SecuTix will thereafter use the template which was last uploaded for a specific language and document model.

The document template screen shows the list of customized templates currently in use.

Figure 4: List of customized templates

3.4 Validation of customized template

To validate the changes in the template, open the template and go to Validation menu. Select the entity for which the validation has to be done.

For example: For a file summary document model, the dropdown would show several file numbers with which validation is possible[1].
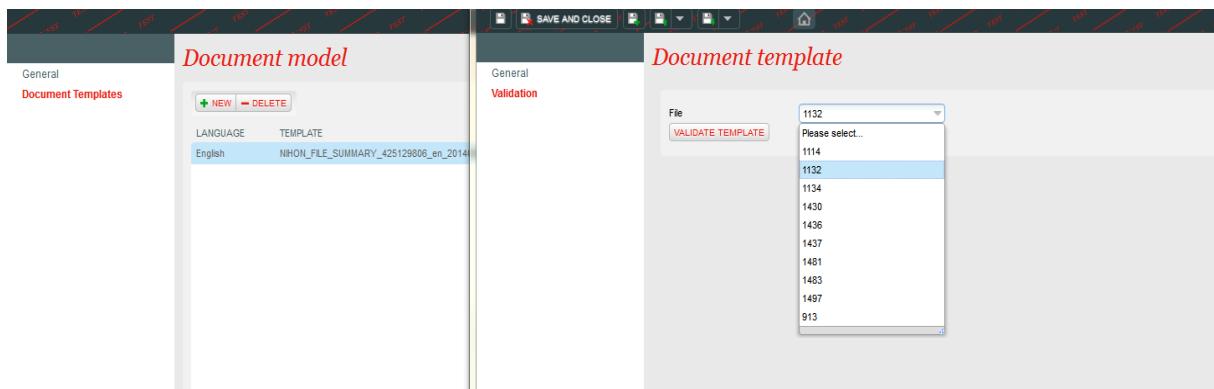
Figure 5: Validating documents

Thereafter, click on validate template button. A new document is generated based on the customized template. The changes made in the template should be reflected in the generated document.

3.5 Reuse standard templates

It is possible to delete document templates. SecuTix would reuse standard templates for a language if there doesn't exist any customized template for the same language.

---

[1] The list contains only those files (entities) for which a document has already been printed before.

4 Writing MS-Word templates

The document template is a standard word document and the static texts can be modified easily.

But you can not only change static texts. The use of the Velocity language allows a lot of various configurations. Here is an overview of the basic directives. You can consult the whole user-guide of Velocity here: http://velocity.apache.org/engine/devel/user-guide.html

Before starting, it is advised to enable the display of special characters, to ensure that you won't insert extra line or paragraph breaks. It is also advised to know basics of paragraph formatting in MS-Word. An informative article by Microsoft about paragraph formatting is provided here.

4.1 Template guidelines

Standard templates follow certain guidelines which will help user in making changes easily. These guidelines are explained in detail in next sub-section of the chapter.

4.1.1 Static texts

All kinds of text which always appears on the document irrespective of the data contained in document are referred as "static texts". For example, the address of organization can be a static text for example. Such texts are written in black color in the standard template and can be modified (adapt/delete) as desired.

4.1.2 Velocity directives

Please refer to velocity user guide to learn more about velocity directives.

Velocity directives are written in red color:

{#markAsSpecimen ($document)}

Note that all velocity directives should be inside { }. The reason behind it is explained here.

It is advised to be careful while changing directives since these directives are usually defined in SecuTix. Using an undefined directive or directive with wrong arguments can lead to failure in document generation.

4.1.3 Comments

Standard templates contain comments which will help user in making changes. These comments do not appear in generated document and are for help purposes only.

Comments are written in blue color:

#*
Show the contact salutation followed by ','. For example: Dear Sir,
*#

It is not advised to change the comment unless until really required.

4.2   Variables

The texts which depend upon the data contained inside the document are referred as "Variables". For example, an order number is variable which will change for different orders.

The velocity syntax to display a variable is the following:

{$document.order.orderId}

Note that the case is taken into account by Velocity. Therefore, $document is different from $Document. Also, variables are proceeded and followed by { } until unless they are used inside velocity directives.

The list of variables for each document class is available [here](#).

4.3   Macro

A macro is a group of static texts and variables displayed with a specific format. SecuTix has defined certain macros which are used in several templates.

For example, SecuTix has defined #orgAddress macro to display the address of organization along with email and telephone number. To use this macro in the template, simply write the text below wherever organization address is required to be displayed:

{#orgAdress($document)}

Note that while using macro, it should be followed by {}

The list of all macro defined by SecuTix is described [here](#).

4.3.1   Writing Macro

Velocity directives should be used inside macro if needed. Each velocity directive should be inside opening ({) and closing braces (}).

{#if($conditionA)} print B
{#end}

In the example above, B is printed if condition A is satisfied.

One should be careful while writing the content of text to be printed. If this content contains line breaks, paragraph breaks, tabs and spaces, it will be rendered in the same way in final document.

{#if($conditionA)}

This macro works.

What about the other?

{#end}

In the example shown above, if condition A is satisfied then the rendered text would be like :

(line break)

This macro works

What about the other

(paragraph break)

However, the expected output was:

(no line/ paragraph break)

This marco works. What about other?

(no line/paragraph break)

In order to get the expected output, above macro should be written in this way:

{#if($conditionA)} This macro works.What about the other?{#end}

However, writing the content without line breaks would make them hard to comprehend with velocity directives.

Use opening and closing braces to avoid line breaks / paragraph breaks / tabs to be taken into account. The macro below will give the expected output.

{#if($conditionA)

}{ This macro works.

{#end}

}{What about the other?

}{#end}

Writing the content in this fashion are easier to comprehend without any consequences on final result.

Avoid paragraph breaks inside macro.

4.3.2   Finalizing Macro

Once macro content has been written, please ensure following things:

- The macro has equal number of opening and closing braces.
- If/Else and forEach loops are properly indented.
- Use proper coloring inside macro content.
  - Calls to macro are in red.
  - All attributes are in blue.
  - Velocity directives are in green.

4.4   Conditions

It is possible to use conditions (if-else) to decide the text which appears in the generated document. These conditions are usually based on the variables inside document.

For example: It is possible to show different texts based on the criteria that an order contains free product only.

```
{#if($document.order.containsOnlyFreeProducts)
}Your order {$document.order.orderId} contains only free products.
{#else}
Your order {$document.order.orderId} doesn't contains only free products.
{#end}
```

Refer to velocity wiki to learn more on writing if-else conditions.
Refer to list of variables to learn more about several variables exported.

4.5   Loops

A loop can be used to iterate over list of variables and show the text based on these variables.

Example:

The reference orders are: {#foreach ($referenceOrder in $document.order.referenceOrderIds)}{
#set($refOrderIds = "$refOrderIds$referenceOrder")
}{#if($foreach.hasNext)}
{ #set($refOrderIds = "$refOrderIds,")
}{#end
}{#end
}

Refer to velocity wiki to learn more on writing for-loops in template.

4.6   Braces { }

There are 2 reasons why the brackets have been used while calling Velocity directives:

1. The first one is a technical constraint, due to the fact that MS-word does not store the text as it display it. It means that the text $document.contact.displayedName can be splitted into $document.contact.displayed   Name
In that case, there is no way to parse and replace the text. The brackets will allow the user to say that this text will be stored as it is displayed and could then be replaced.

2. The second reason is to make the template easier to read: all the formatting including into {} is lost, including the page breaks, paragraph breaks, tabulations. It allows to add more spaces in the text than the needed ones, and to correctly indent complex conditions.

4.7   Styles / Fonts / Colors

4.7.1   Variables

The fonts and colors of dynamic variables can be set in the template. As mentioned before, the formatting inside the brackets is lost, so, please be careful, and set the right font and color to the opening and closing braces: {$document.contact.contactNumber}

4.7.2   Macros

All macros use Normal style. This style can be overridden in the document template.
The style of the paragraph containing the macro can also be defined and will be propagated to the macro, even if it is not the Normal one. Note that the font and the color of a macro won't be taken into account if not defined from a style.

4.7.3   Changing Styles

Modifying or changing styles inside email templates may not be reflected in the generated document. This is a known issue which would be resolved in future. However, there is a workaround. Instead of modifying styles, you can directly select the paragraph and change the font / size / color. These changes would be reflected in the generated email document.

As far as pdf documents are concerned, changes in styles are reflected in the generated document.

Warning: when you modify a stx style check that the "Style based on" is "(no style)".
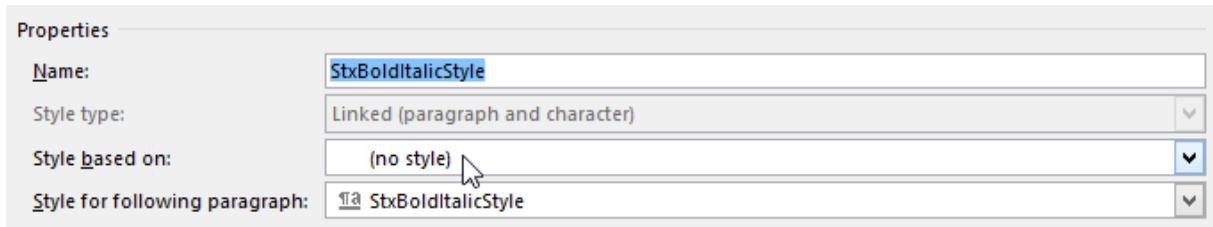
Figure 6: Change of stx stype

4.7.4 Supported fonts

The support for font in case of emails depends upon the browser or the mail client used to render the email.

However, in case of pdf's, only a few custom fonts are supported which are enumerated here.

4.8 Images

Use of images in email templates is slightly different from pdf templates. Images can be of two kinds:

- Static images: Refers to the images which are inserted directly into the word template.
- Dynamic images: Refers to the hyperlinks in templates which links to image on web.

The following sub-sections will discuss their usage in emails and pdfs templates.

4.8.1 Emails

In email templates, static images are not supported. For dynamic image, use following stxImage tag:

stxImage:start url=http://www.secutix.com/sites/all/themes/secutix2010/images/logo-secutix_v2.png, stxImage:end

This tag has three attributes which are listed below:

- url : The web address of the image. Note that the value of this attribute is not a hyperlink but it simple plain text.
- height: The height of image in pixels
- width: The width of image in pixels.

Example:

stxImage:start url=http://accueil.stadefrance.com/files/images/gif_newsletters/Groupes&CE_banniere3v3.gif,height=42,width=42, stxImage:end

Please note following points while using stxImage tag:

- Each stxImage:start should be followed by stxImage:end
- The value of last attribute should also be followed by ','

Static images are supported in pdf templates. However, it does not support dynamic ones. For static images, just import the image inside word template.

4.9   Bullets and numbered Lists

The bullets and numbered lists are not supported (See 11).To show bullets or numbered lists in emails, explicitly insert the bullet (through Insert Symbol option) or write the number and format the text. The list below serves as an example of this manipulation:

- Point 1
- Point 2
- Point 3

4.10 Tables

It's possible to use tables in documents. Macros, pictures and variables work even inside table. Note that tables are not supported in email templates as of now.

4.10.1   Dynamic rows

TODO

4.10.2   Tables inside tables

It is possible to call macro containing table inside a table.

{#macro(showExampleMacro)}

Product	Quantity	Unit net price	Unit rebate	Effective unit price	Total net price

{#end}

{#showExampleMacro ()}

Figure 7: Tables inside tables

When you create a table in a macro you have to fix the table options properties to reduce the default cell margins:
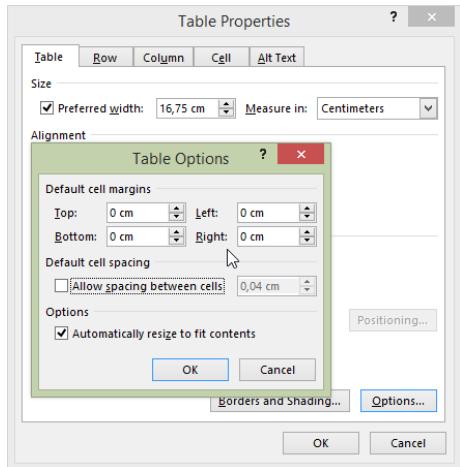
Figure 8: Default cell margins

4.10.3 Prevent row to break across pages

This option doesn't work with a table containing more than one row during PDF conversion. To prevent that 2 rows break across pages:

- Create a 1 x 1 table and insert table with content
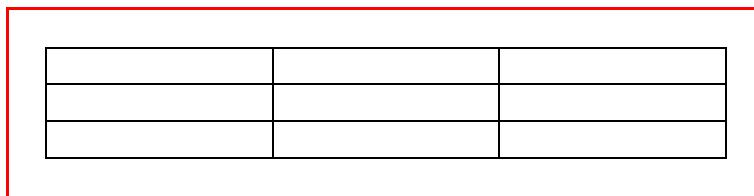
- Uncheck in outside table properties the option "Allow row to break across pages".

4.10.4 Managing the borders

It's possible to add table borders. To have regular borders follow the procedure below.

- Allow spacing between cells in table properties, Options:
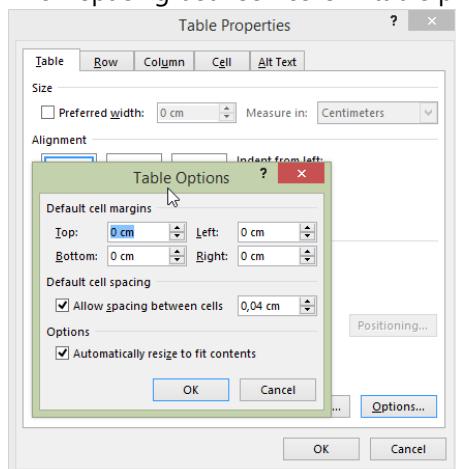
Figure 9: Managing borders

- Remove all borders
- Add one border for each cell (see picture below):

Figure 10: Table's example

4.11 Header & Footer

It's possible to use macros, variables, images, banner in header or footer.

- Links do not work. Tips: add a blue font color and underline the text
- Text boxes do not work. To add text use table.

Warning: if option "Different First Page" in header and footer tools is selected. First page header should have the same size as the headers on the following pages.

4.11.1 Logo

- Working "Text Wrapping" options :
  - Tight
  - Through
  - Top and bottom
  - Behind Text
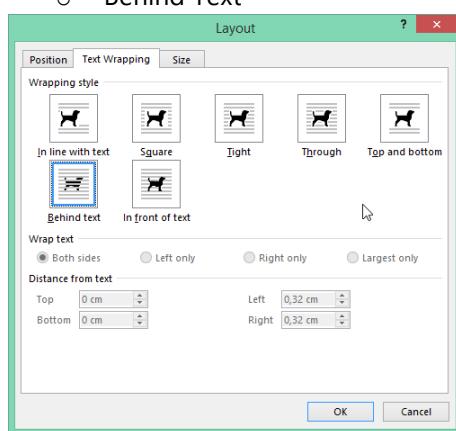
Figure 11: Text wrapping options

- Adjust the picture position and unselect the "Move object with text" option. Check that the horizontal and vertical positions are fixed on Page.
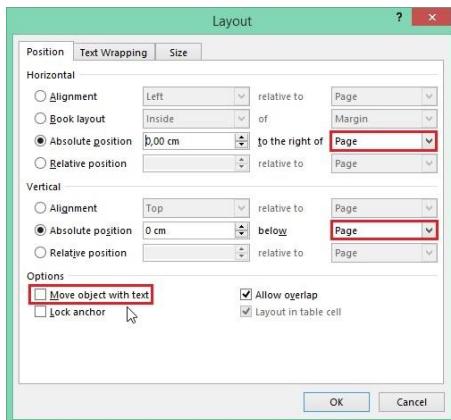
Figure 12: Position options

4.11.2 Banner

It's possible to add a banner and text on top in header. To do this follow the procedure below:

- Check that width of the banner is at least 21 centimeters.
- Fix the position like below:
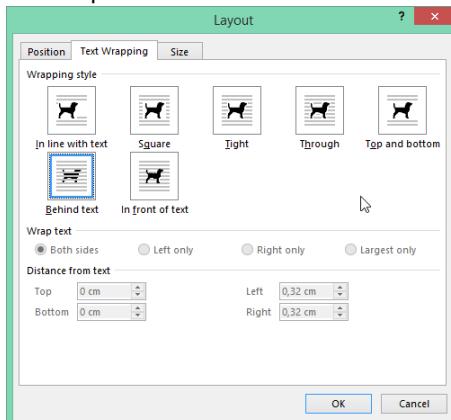
Figure 13: Text wrapping options
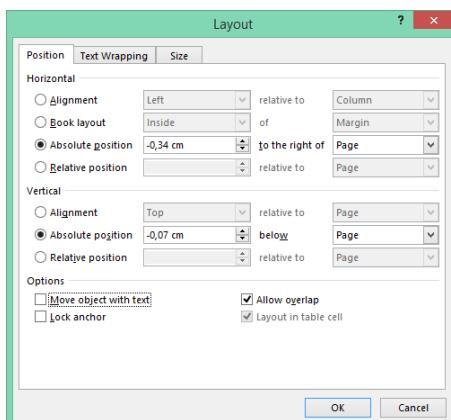
Figure 14: Position options

The banner looks like the picture below.

Figure 15: Banner example

4.11.3 Banner with titles
- Insert a 1 x 2 table to add a title.
  Specify the first line height to adjust the title position in the second line. Row height option is set to "Exactly".
- Configure table properties like the pictures below:
  Cell tab:
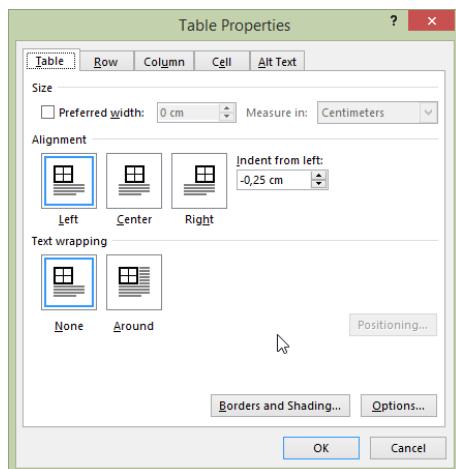
Figure 16: Table standard properties
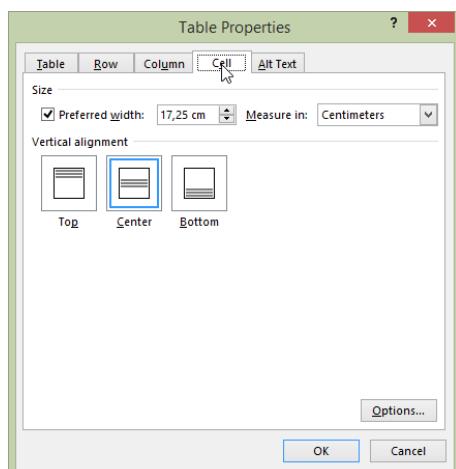
Figure 17: Cell options

Table tab, Options: reduce to zero the default cell margins
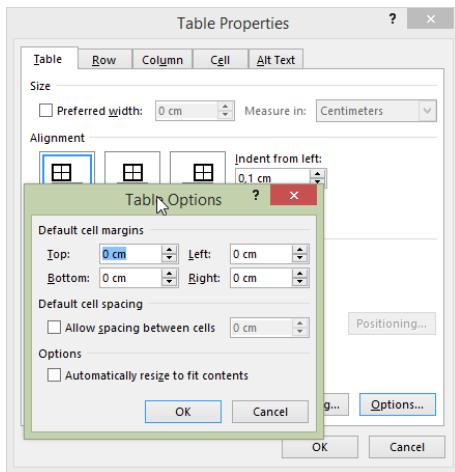
Figure 18: Table options

4.12 Page numbering

It's possible to add page numbers by using Page Number option. All format numbers types are not supported like:

- Brackets
- Large
- Tab
- Thick
- Lines
- Bars
- All specific format

Tips: use the format below and adapt if necessary:
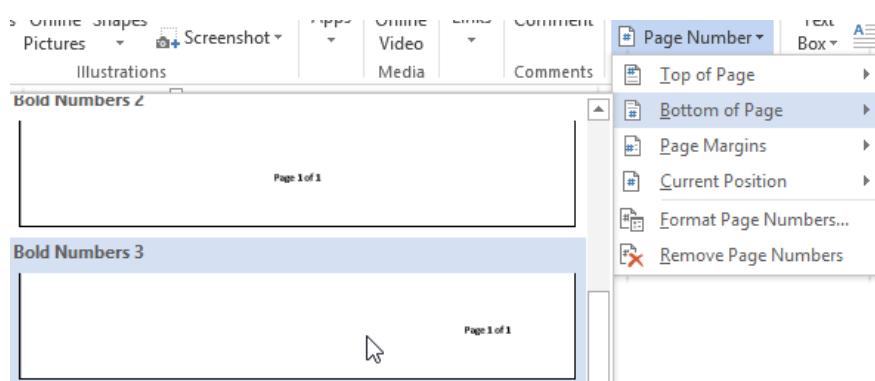
Figure 19: Page Number

4.13 Document Properties

It is possible to change the behavior of macro with document properties. For example, #showFileTable macro shows the content of a file in a tabular form. However, it is possible to maneuver this macro in different ways by tweaking its properties. It is possible to group the content by order contained in the file by configuring "showOrderNumbers" property to "true" in following way:

{#addProperty($document "showOrderNumbers" "true")}
{#showFileTable($document)}

If this property is unset, then grouping by orders is not shown. These properties are for specific macro and are set to default values which is described in list of macros section.

It is important to note following points before using them:

1. The key of the property is case-**in**sensitive. This means "showOrderNumbers" is treated in the same way as "showordernumbers".
2. The leading and trailing whitespaces in the key are not considered. This means "showOrderNumber" is same as "showOrderNumber".
3. The leading and trailing whitespaces are removed from value. Therefore, setting property "showOrderNumber" to "true" is same as setting "showOrderNumber" to "true".
4. Properties are specific to a macro and **must** be configured before calling that macro.

Application of properties

4.14 Tips & Tricks

4.14.1 Changing date format

The date formatting can be different depending upon the requirements. Helper functions are provided. To format a date, always use formatDate macro provided by SecuTix.

4.14.2 Adding document date on each page

It's possible to add the date at the top of each page. To add the date insert "{#formatDate($document.metadata.generationDate $stxHelper.getDateFormat($document, true,false) $document.locale)}" in document.

Example:
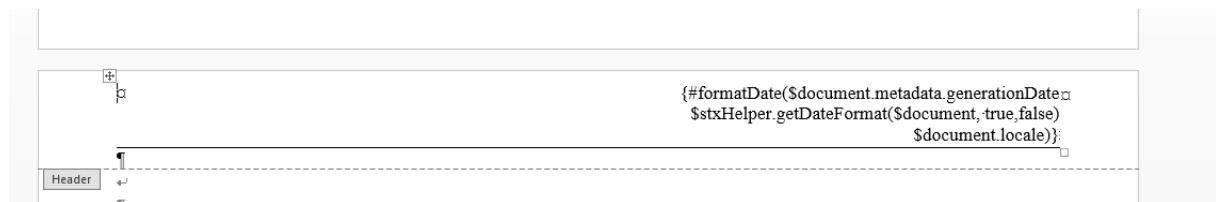
Figure 20: Inserting date

4.14.3 Changing email headers

4.14.3.1 Subject

It is possible to set subject of an email in the template itself. For example, it is easy to set subject of mail to be "Your order number ABC is accepted" where ABC is order number.

This can be done by writing this small snippet in the template:

{#set ($subject = «Your order number $document.order.orderId is accepted. »)
}{$document.metadata.setSubject ($subject)
}

4.14.3.2 Sender's information

It is possible to set the sender name and sender email address of an email in the template itself. It's possible to fix the name and email of sender be "Your institution name" and " the email address by "yourInstitutionName@example.com".

This can be done by writing this small snippet in the template:

{#set ($senderName = "Your institution name")
}
{#set ($senderEmailAddress = "yourInstitutionName@example.com")
}

4.14.4 Dynamic email links inside pdf

It's possible to add dynamic email links into documents (see example below)

Email: {$document.organization.salesChannel.emailAddress.emailAddress}

To add a link select the text (in blue):

- Right click on text and select Hyperlink
- Under "Link to" option click on "E-mail Address
- Enter the desired link (for example "mailto:$document.organization.salesChannel.emailAddress.emailAddress") under "E-mail address".

4.14.5 Changing amount format

The variable which contains information about Amount is amount. This variable is used in showing various amounts such as order amount, invoice amount etc. in documents. In order to display amounts on documents, refer to #showAmount or #showSummaryAmount macro.

4.14.6 Changing document properties

Maps contains several values which are mapped by a unique key for each value. The value corresponding to a key can be easily retrieved by using get() function of map.

For example: map.get("Key") will return the value stored in the map corresponding to "Key". In document templates, maps are used for various purposes such as:

- Storing miscellaneous information like password of contact when it resets.
- Labels and properties of document template.

4.14.7 How to hide columns in tables

It's possible to use if/else conditions in macro to leave the column values empty when column is not desired.

If you need to move a column based on a setting you need to create a condition in macro and two tables (one for each of the possibilities)

Example:

{#if ($condition =="true")
}

Product	Quantity	Unit net price	Unit rebate	Effective unit price	Total net price

{
#else
}

Product			Quantity	Effective unit price	Total net price

{
#end}

4.14.8 How to see all formatting symbols in template

In Word 2013 click on the "File" tag, then on "Option" at the end of the list. In "Display" option select the formatting marks on the screen.

4.14.9 Workaround to show text based special symbols

Special character do not work. It's possible to use superscript to create symbol. To use superscript select the text and click on Superscript button. Example: ^{TM}
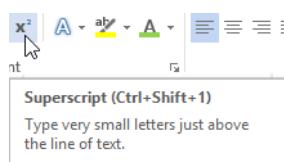
Figure 21: Superscript button

4.14.10 Workaround to show few unsupported MS-Word objects

Tabs do not work in templates. Use options below to align text in tables or in documents:

- **Left Tab** ⌊: Left-aligns the text at the tab stop

- **First Line Indent** ▽: Inserts the indent marker on the ruler, and indents the first line of text in a paragraph

- **Hanging Indent** △: Inserts the hanging indent marker, and indents all lines other than the first line

4.14.11 Overriding macros

It's possible to override the predefined macros in the documents. It is possible to set again a macro. To write macros click here.

4.15 Summary documents

SecuTix has mainly three types of summary documents:

1. Order summary – This is a pdf document which shows the content of a specific order. The content doesn't change even if some items of order have been refunded or exchanged in another order.

2. File summary -- This is a pdf document which shows the content of a file. It doesn't show the items which have been refunded.

3. Invoice – This is a pdf document which shows the content of an invoice.

Standard summary documents have a basic structure in common which is shown in the figure below.

Organization Address	*Logo*

Contact Address

Place,date

Salutation

Contents					
Desciption	Quantity	Unit amount	Tax rate	Taxless amount	Total Amount

VAT details
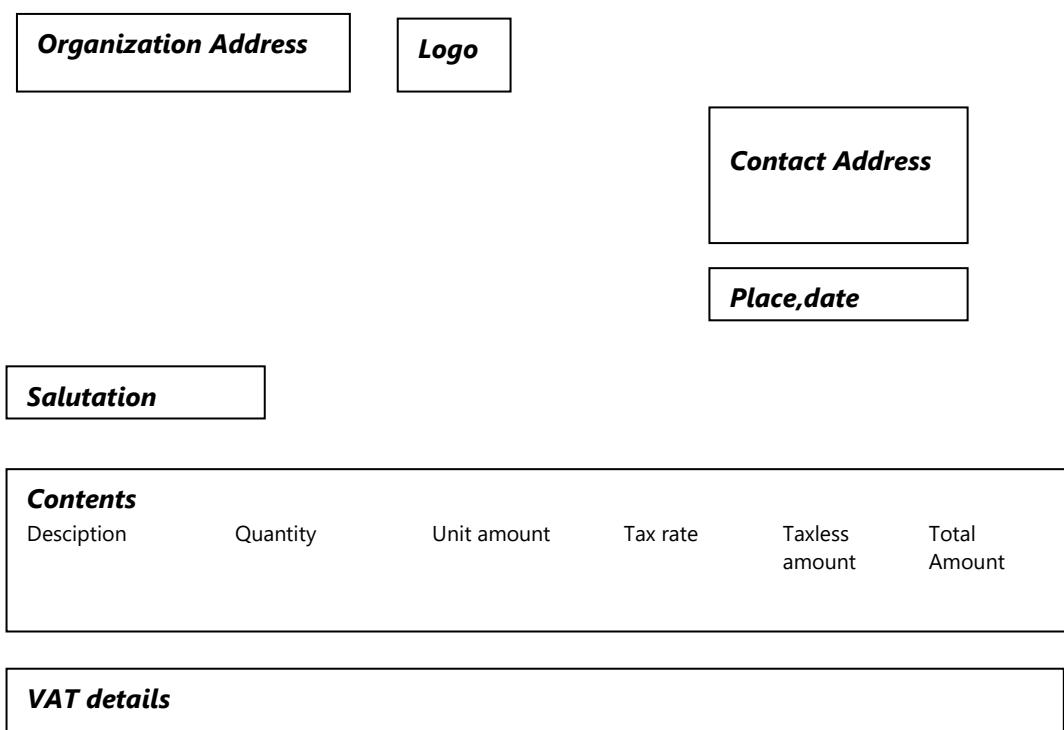
It contains various block which are as follows:

4.15.1 Organization Address

The address of organization is displayed in this section. Usually, this organization is the one which is responsible for sending this document. We have several macros which help in displaying this information. These macros are:

- showOrgAddress
- showOrgAddressWithLegalInfo

Refer to the list of macros to learn how to use them in document templates.

The positions for organization and contact address have to be fixed. Distances are measured from the edge of page.
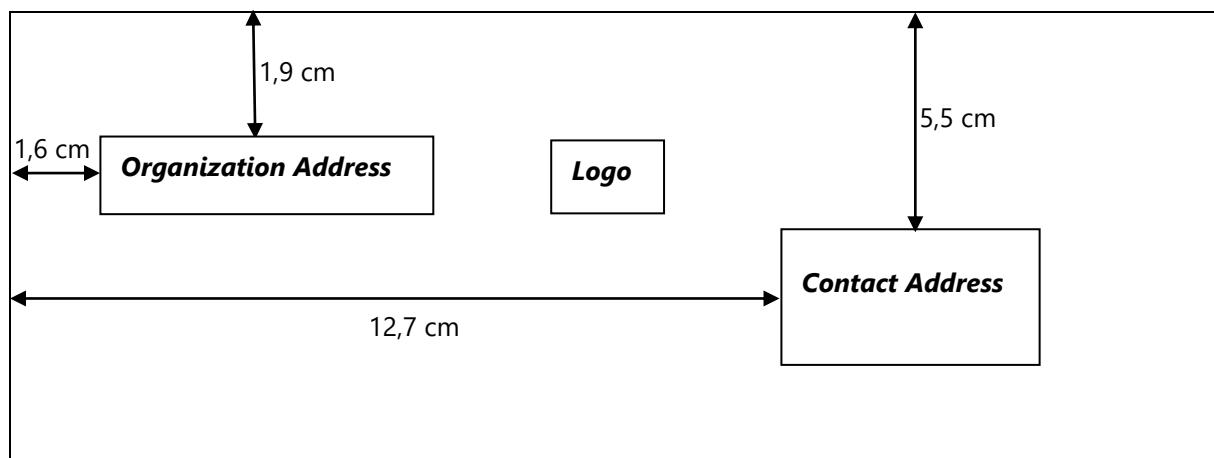
Figure 22: Addresses position

4.15.2   Logo

In this section of document, logo of the organization is displayed provided that it has been configured in the back office. If there is no such logo configured, nothing will be displayed in this section.

4.15.3   ContactAddress

The address of contact is displayed in this section. The contact is the one to which this document is addressed to.

Remark: Note that the position of this section is important as this section must be visible when the document is placed in an envelope.

Macros to show contact address is #showContactAddress

Refer to the list of macros to learn how to use them in document templates.

4.15.4   Place and Date

In this section of document, the town of organization is displayed followed by the date on which the document was generated. Macro to show place and date is #showPlaceAndDate

Refer to the list of macros to learn how to use them in document templates.

4.15.5   Salutation

The text to greet the customer is displayed in this section. It can be like "Dear Mr. X",
Macro to show salutation is #showSalutation

Refer to the list of macros to learn how to use them in document templates.

4.15.6   Contents

The list of products referred in the document are shown in this section. For an order summary, this list will contain all products contained in the order including charges and overheads. For each product, information with respect to its quantity, total amount, totalTaxless amount is also shown.

To show content of an order, file or invoice, use following macros:

- #showOrderTable   :   for an orderSummary
- #showFileTable   :   for a file summary
- #showInvoiceTable   :   for an invoice

Remark: Note that all the macro's described above also show paymentSummary, shipmentSummary and vatDetails by default. All these blocks are explained in following sections.

4.15.7   Vat details

In this section, the vat breakdown for the total amount is explained. It is also possible to configure document property to show or not show this information.

Refer to #showVATDetails macro for learn how to display this information.

4.15.8   Payment Summary

All payments related to document (order, file, invoice) are shown in this section. It includes paid payments, refunded payments, scheduled payments and installments.

Refer to #showPaymentDetails macro to learn how to show this information.

4.15.9   Shipment summary

This section shows the list of shipments related to document (order, file, invoice) which contains tickets.

Refer to #showShipmentDetails macro to learn how to show this information.

5 Getting started

In this section, a small example will be done as an illustration.

Aim of the example:

Company ABC would like to customize SecuTix's standard email sent to reset password in English. Following is the list of customizations to be done:

- The subject of email should be "Your password has been reset upon your request"
- Add the text at the end of standard email :
  "Copyright © 1996–2014 ABC.com. All rights reserved. This e-mail was sent by ABC.com, 1004 CE Nyon, Switzerland"

How to start:

Step 1: Search for the corresponding document type in list of document types based on the use of document type. In this case, the document type would be Password change mail . Note it's document class.

Step 2: Go to SecuTix backend and navigate to "Document Types" in Institution context. Look for the document type with the same document class as noted before.

Figure 23: Document types

Step 3: Open the document type and navigate to document template as explained before.

Step 4: Click on new document template and choose language "English". Thereafter, click on "Standard Template" button and save standard template in local system.
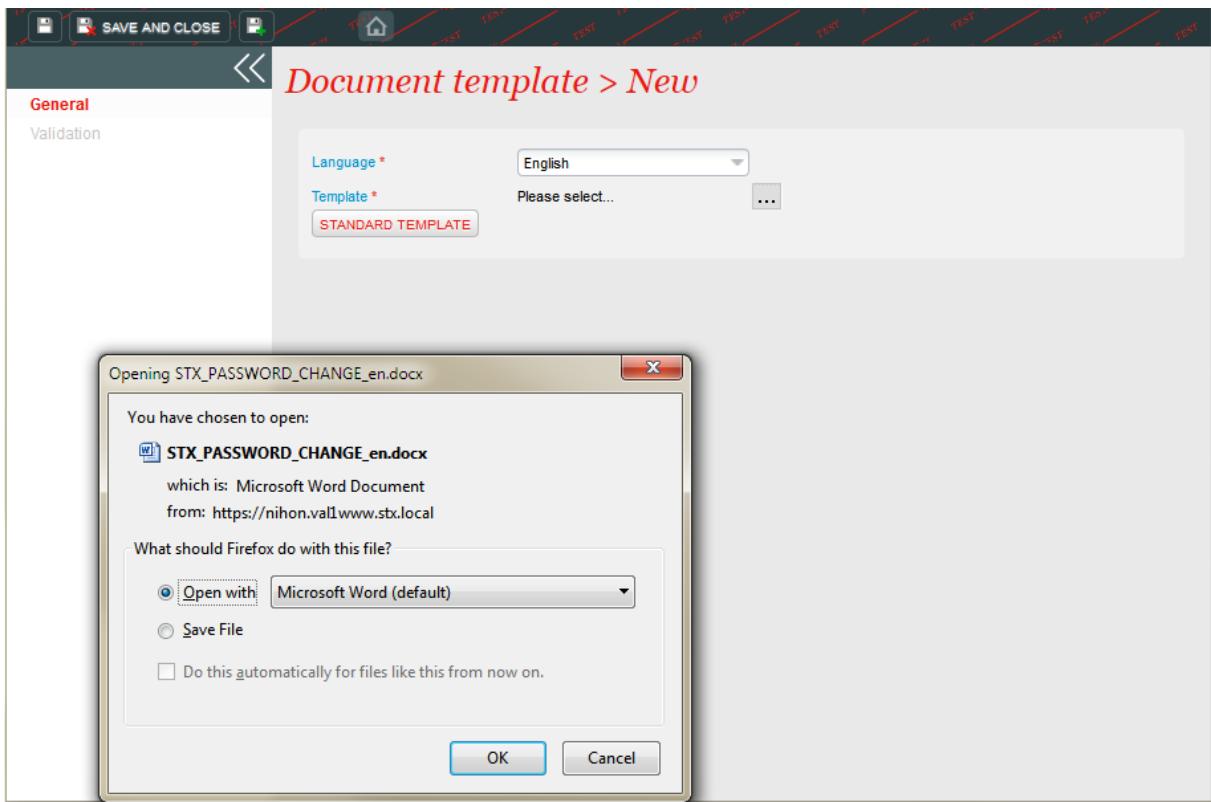
Figure 24: New document template

Step 5: Open standard template.

Let the content of standard email document be:

```
{#*
Configure your email subject here.
*#
}{#set ($subject = «New password»)
}{$document.metadata.setSubject($subject)
}
{
#*
Show the contact salutation followed by ','. For example: Dear Sir,
*#
}{#salutation ($document)},
{
#*
The content of email starts from here.
*#
}
Your password has been reset to {$document.metadata.miscInfo.get("contactPassword")}
Best regards,
{
#*
Shows the email signature of the organization from which the mail is sent. You can replace the text to
```

```
your own custom address as per your requirements. In case of dynamic signature, please refer to
SecuTix trainings or contact our support.
*#
}
{#orgAddress($document)}
```

Figure 25: Standard email document

Step 6: Start modifying it. The changes are indicated by arrow in orange.

```
{#*
Configure your email subject here.
*#
}{#set ($subject = «Your password has been reset upon your request")
}{$document.metadata.setSubject ($subject)
}
{
#*
Show the contact salutation followed by ','. For example: Dear Sir,
*#
}{#salutation ($document)},
{
#*
The content of email starts from here.
*#
}
Your password has been reset to {$document.metadata.miscInfo.get("contactPassword")}
Best regards,
{
#*
Shows the email signature of the organization from which the mail is sent. You can replace the text to
your own custom address as per your requirements. In case of dynamic signature, please refer to
SecuTix trainings or contact our support.
*#
}
{#orgAddress($document)}

"Copyright © 1996–2014 ABC.com. All rights reserved. This e-mail was sent by ABC.com, 1004
CE Nyon, Switzerland"
```
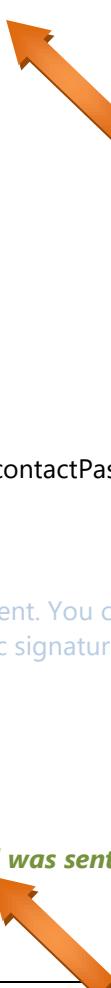
Figure 26: Standard template modification

Step 7: Save the template and upload it to the same window which was opened in Step 4. Click the
save button on window. Upon saving, the validation menu in the window will be enabled.
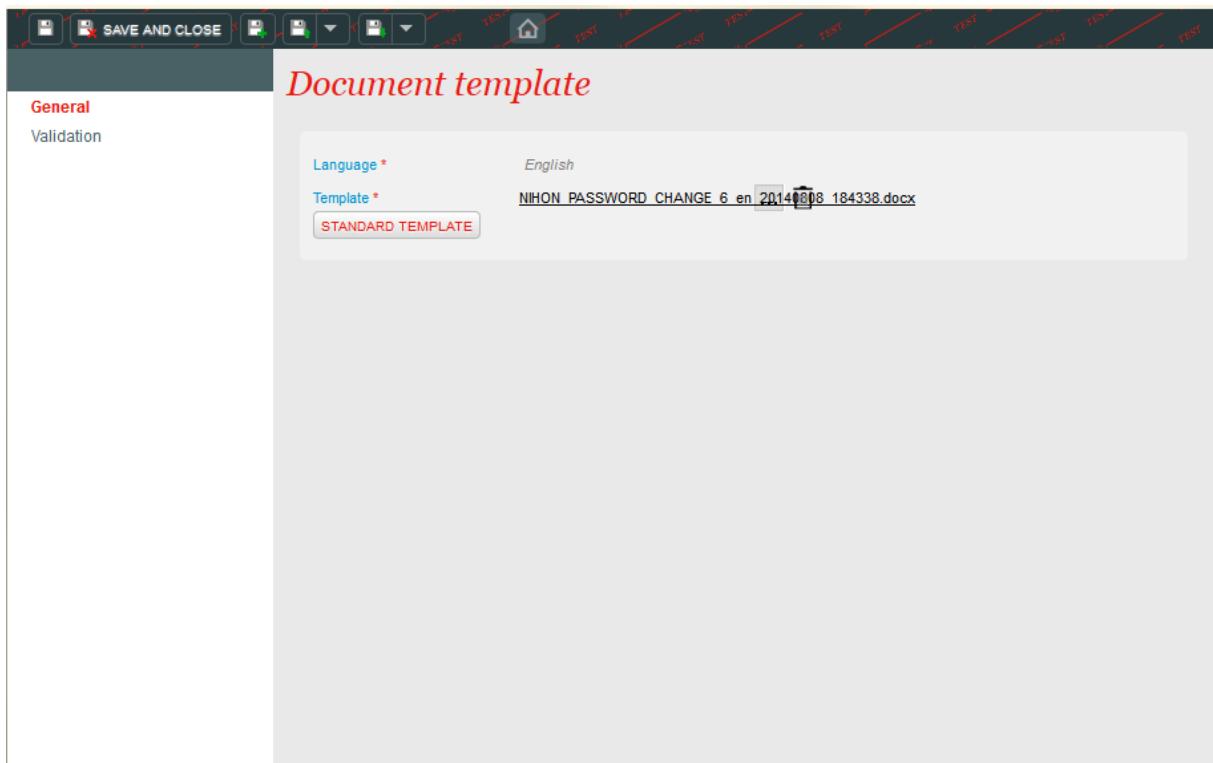
Figure 27: Saving document template

Step 8: Go to validation menu. It would be possible to validate changes for several contacts which have tried to reset their password earlier.
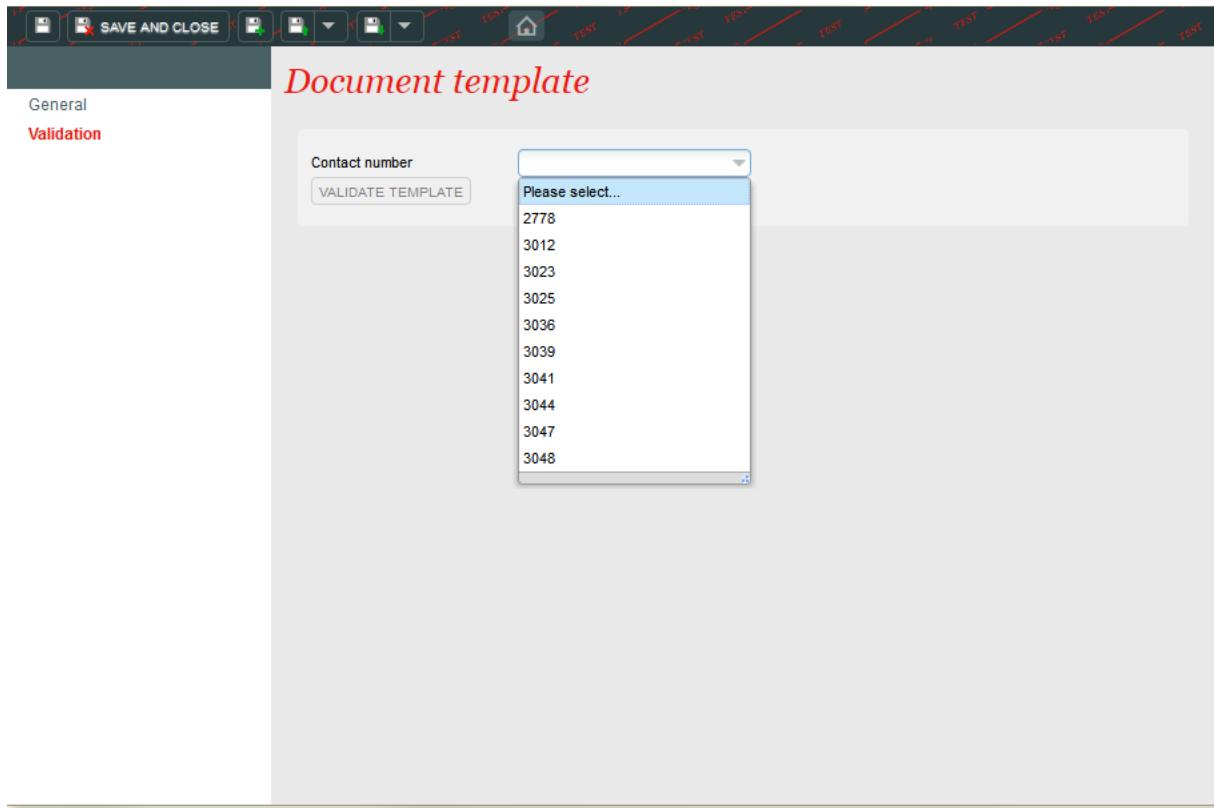
Figure 28: Validation menu

Step 9: Choose any contact number and click on Validate template. Don't worry, this validation will not really reset password for the contact and will not send any mail. It just mocks the behavior.

After clicking on validate button, a new window will be opened which will show generated email content based on your uploaded template.

6 Document Types

6.1 Account Bank Credit

Xdoc template name	STX_ACCOUNT_BANKCREDIT_(language).docx
Supported language	French
Data	
Format	PDF
Document class	
Use	
Remarks	

6.2 Account Bank Debit

Xdoc template name	STX_ACCOUNT_BANKDEBIT_(language).docx
Supported language	French
Data	
Format	PDF
Document class	
Use	
Remarks	

6.3 Advantage notification

Xdoc template name	STX_ADVANTAGE_NOTIFICATION_(language).docx
Supported language	French, English
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.4 B2B account creation mail

Xdoc template name	STX_B2B_ACCOUNT_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	ContactDocumentData ($document)
Format	MAIL
Document class	B2B account creation confirmation
Use	This mail is sent to end-customer when his B2B account is validated or rejected.
Remarks	$document.contact refers to contact of the mail.

6.5   BVR

Xdoc template name	STX_BVR_(language).docx
Supported language	French, English, German
Data	
Format	PDF
Document class	
Use	
Remarks	

6.6   Code Email

Xdoc template name	STX_CODE_EMAIL_(language).docx
Supported language	French, English, German
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.7   Credit Notes

Xdoc template name	STX_CREDIT_NOTES_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	PDF
Document class	
Use	
Remarks	

6.8 Email Cancel Confirmation

Xdoc template name	STX_EMAIL_CONFIRMATION_(language).docx
Supported language	French, English
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.9 Email Follow Shipment

Xdoc template name	STX_EMAIL_FOLLOW_SHIPMENT_(language).docx
Supported language	French, English, German
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.10 Email Option Booking Reminder

Xdoc template name	STX_EMAIL_OPTION_BOOKING_REMINDER_(language).docx
Supported language	French, English
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.11 Email Option Wait List

Xdoc template name	STX_EMAIL_OPTION_WAIT_LIST_(language).docx
Supported language	French, English, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.12 Email Request Reminder

Xdoc template name	STX_EMAIL_REQUEST_REMINDER_(language).docx
Supported language	French, English
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.13 Email Reservation Reminder

Xdoc template name	STX_EMAIL_RESERVATION_REMINDER_(language).docx
Supported language	French, English
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.14 Exchange Ticket Acknowledgement

Xdoc template name	STX_EXCHANGE_TICKET_ACK_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.15 File summary

Xdoc template name	STX_FILE_SUMMARY_(language).docx
Supported language	French, English, German, Spanish, Catalan, Netherlandese
Data	DetailedFileDocumentData($document)
Format	PDF
Document class	File recap
Use	This pdf document contains summary of file.
Remarks	$document.file refers to the file.

6.16 Goods Order

Xdoc template name	STX_GOODS_ORDER_(language).docx
Supported language	French
Data	
Format	PDF
Document class	
Use	
Remarks	

6.17 Letter

Xdoc template name	STX_LETTER_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.18 Option Order Acknowledgement

Xdoc template name	STX_OPTION_ORDER_ACK_(language).docx
Supported language	French, English, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.19 Option Request Acknowledgement

Xdoc template name	STX_OPTION_REQUEST_ACKNOWLEDGEMENT_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.20 Option Request Deletion

Xdoc template name	STX_OPTION_REQUEST_MODIFICATION_(language).docx
Supported language	French, English, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.21 Option Summary

Xdoc template name	STX_OPTION_SUMMARY_(language).docx
Supported language	French, English, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.22 Order Acknowledgement with Confirmation

Xdoc template name	STX_ORDER_ACK_WITH_CONF_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.23 Order Acknowledgement

Xdoc template name	STX_ORDER_ACKNOWLEDGEMENT_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.24 Order Bank Credit

Xdoc template name	STX_ORDER_BANKCREDIT_(language).docx
Supported language	French
Data	
Format	PDF
Document class	
Use	
Remarks	

6.25 Order Bank Debit

Xdoc template name	STX_ORDER_BANKDEBIT_(language).docx
Supported language	French
Data	
Format	PDF
Document class	
Use	
Remarks	

6.26 Order confirmation mail

Xdoc template name	STX_ORDER_CONFIRMATION_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	OrderDocumentData($document)
Format	MAIL
Document class	Order confirmation
Use	This mail is sent to end-customer once his online order is accepted along with its payment.
Remarks	$document.contact refers to contact of the mail.

6.27 Order Invoice

Xdoc template name	STX_ORDER_INVOICE_(language).docx
Supported language	French, English, German, Spanish, Catalan, Netherlandese
Data	DetailedInvoiceDocumentData
Format	PDF
Document class	Order invoice
Use	This pdf document contains summary of file.
Remarks	$document.invoice refers to the invoice.

6.28 Order Rejected

Xdoc template name	STX_ORDER_REJECTED_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	

Use	
Remarks	

6.29 Order summary

Xdoc template name	STX_ORDER_SUMMARY_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	DetailedOrderDocumentData($document)
Format	PDF
Document class	Order recap (static state)
Use	This pdf document contains summary of order.
Remarks	$document.order refers to the order

6.30 Password change mail

Xdoc template name	STX_PASSWORD_CHANGE_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	ContactDocumentData($document)
Format	MAIL
Document class	Password change
Use	This mail is sent to end-customer once he resets his online shop password.
Remarks	$document.contact refers to contact of the mail.

6.31 Product Waitlist Email

Xdoc template name	STX_PRODUCT_WAITLIST_EMAIL_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	
Remarks	

6.32 RAR

Xdoc template name	STX_RAR_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	
Document class	
Use	
Remarks	

6.33 Request Summary

Xdoc template name	STX_REQUEST_SUMMARY_(language).docx
Supported language	French, English
Data	
Format	PDF
Document class	
Use	
Remarks	

6.34 ST Subscription

Xdoc template name	STX_ST_SUBSCRIPTION_(language).docx
Supported language	French, English
Data	
Format	PDF
Document class	
Use	
Remarks	

6.35 Tickets Acknowledgement

Xdoc template name	STX_TICKETS_ACKNOWLEDGEMENT_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	MAIL
Document class	
Use	

Remarks	

6.36 Wait Account Invoice

Xdoc template name	STX_WAITACC_INVOICE_(language).docx
Supported language	French, English, German, Spanish, Catalan
Data	
Format	PDF
Document class	
Use	
Remarks	

7 Not supported features

The generated docx document will eventually be converted to PDF to send to a printer or to html to send via email. Some elements enabled in ms-word are not correctly converted and should not be used:

1. MS-Word documents of 97 format (.doc files)
2. Flying elements (boxes, graphical elements)
3. Watermarks
4. Background colors

Secutix now accept the docx format to generate the document, but please use ms-word instead of Open office, because the compatibility is not totally ensured.

Table row attribute – only At least height preserves the row height.

8 List of known issues

1. **[General/Parameterization]**:Standard document cannot be validated
2. **[General/Parameterization]**:It is not possible to validate some types of documents such as (accompanying letter, product waiting list)
3. **[Template]** Formatting of telephone numbers is not supported.
4. **[Template]** Search for particular item inside exported data.
5. **[Template]** Formatting of amounts is not supported. **[Resolved, supported from Nordend V3]**
6. **[Template]** Inserting special characters
7. **[Template/Email]** Dynamic images are not supported inside emails. **[Resolved, supported from Nordend V3]**
8. **[Template/Email]** Tables are not supported inside emails
9. **[Template/Email]** Different styles inside email templates are not reflected in the generated document
10. **[Template/Email]** Dynamic hyperlinks are followed by an extra space
11. **[Template/Email]** Bullets or numbering are removed.
12. **[Template/Pdf]** Table row attribute – Only At least height attribute preserves the height
13. **[Template/Pdf]** Hyperlinks inside footers are not supported.
14. **[Template/Pdf]** Not possible to keep entire table content on the same page.
15. **[Template/Pdf]** Headers and footers of all pages should be of same size.
16. **[Template/Pdf]** Macros inside headers and footers do not work.
17. **[Template/Pdf]** Page Layout / Columns

A. General list of variables

A.1   AbstractCategoryOptionAllocationData

Derived from AbstractOptionAllocationData

Type	AccessField	Mandatory	Explanation
List<SeatCategoryOptionAllocation>	.categories		

A.2   AbstractCategoryOptionRequestData

Derived from AbstractOptionRequestData

Type	AccessField	Mandatory	Explanation
List<SeatCategoryOptionRequest>	.categories		

A.3   AbstractContainer

Type	AccessField	Mandatory	Explanation
List<String>	.commissionIds		
List<String>	.composedItemIds		
String	.containerId		
List<String>	.hospProdIds		
List<String>	.irphanChargesIds		
List<String>	.nonPerfIds		
List<String>	.overheadIds		
List<String>	.perfIds		
ContainerType	.type		

Member functions:

FunctionName	Parameters	Return	Explanation
isEmpty			

A.4   ContainerType

Following values are possible for InvoicingType

1. ORDER
2. FILE
3. GLOBAL

A.5   AbstractInvoiceData

Following values are possible for InvoicingType

4. ORDER
5. OPERATION

Type	AccessField	Mandatory	Explanation
Amount	.amount		
String	.bic		
AbstractInvoiceData	.cancelledInvoice		
String	.comment		
Date	.date		
List<FileData>	.files		
String	.iban		
ContactData	.invoiceContact		
String	.number		
List<OrderData>	.orders		
PaymentSummary	.paymentSummary		
List<AbstractInvoiceData>	.referencedInvoice		
FileInvoiceSummary	.refundSummary		
FileInvoiceSummary	.saleSummary		
ShipmentSummary	.shipmentSummary		
InvoicingType	.type		

Member functions:

FunctionName	Parameters	Return	Explanation
isEmpty			

A.6 AbstractItem

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
Map<String, SubItemLine>	.chargesMap		
String	.comment		
Date	.deadLine		
IntExtCodeObject	.designation		
String	.instanceNumber		
Map<String, ItemLine>	.itemLineMap		
ProductData	.product		
TaxSummary	.taxSummary		
Integer	.ticketCount		
ItemType	.type		
UrlData	itemUrl		

A.7 AbstractItemLine

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
HospitalityArea	.area		
AudienceSubCatData	.audSubCat		
Integer	.confirmedQuantity		
String	.discountPercent		
String	.identifier		
Integer	.quantity		
Integer	.requestedQuantity		
HospitalityRoom	.room		
SeatCategoryData	.seatCat		
SeatingSummary	.seatingSummary		
String	.taxPercent		
Amount	.totalAmount		
Amount	.totalTaxes		
Amount	.totalTaxlessAmount		
ItemLineType	.type		
Amount	.unitAmount		
Amount	.unitDiscount		
Amount	.woDiscountUnitAmount		
Amount	.woDiscountVatUnitAmount		
Amount	.woVatUnitAmount		
Amount	.woVatUnitDiscount		

Member functions:

FunctionName	Parameters	Return	Explanation
isDiscounted			

A.8   AbstractOptionAllocationData

Derived from AbstractOptionRequestData

Type	AccessField	Mandatory	Explanation
Date	.paymentDeadline		
List<Long>	.similarOptions		
Amount	.totalPrice		

A.9   AbstractOptionRequestData

Derived from OptionData

Type	AccessField	Mandatory	Explanation
Date	.requestDate		
String	.requestDate		

A.10   AbstractOrderSummary

Derived from AbstractSummary<FileContainer>

A.11   AbstractPlannedPaymentInfo

Derived from PaymentInfo

Following values are possible for PlannedPaymentKind

1. BANK_AGREEMENT
2. INSTALLMENT

Type	AccessField	Mandatory	Explanation
PlannedPaymentKind	.kind		
Amount	.totalDueAmount		
Amount	.totalPaidAmount		

A.12   AbstractSummary

Type	AccessField	Mandatory	Explanation
Map<String, Commissions>	.commissionsMap		
Map<String, ComposedItem>	.composedItemMap		
Map<String, T>	.containerMap		
Date	.deadline		
Map<String, HospitalityItem>	.hospitalityItemMap		
HospitalitySummary	.hospitalitySummary		
SummaryKind	.kind		
Map<String, NonPerformanceItem>	.nonPerformanceItemMap		
Map<String, Orphancharges>	.orphanChargesMap		
Map<String. Overheads>	.overHeadsMap		
Map<String, PerformanceItem>	.performanceItemMap		
TaxSummary	.taxesSummary		
SummaryType	.type		

Member functions:

FunctionName	Parameters	Return	Explanation
buildSeatingSummary			
buildTaxSummary			
hasDiscountedComposedItems			
hasDiscountedHospItems			
hasDiscountedItems			
hasDiscountedItems			
hasDiscountedNonPerformanceItems			
hasDiscountedPerformanceItems			
isContainerPresent			
isEmpty			
searchProduct			

A.13   AddressData

Type	AccessField	Mandatory	Explanation
String	.countryCode		
String	.faxNumber	No	The fax number
FormattedAddress	.formattedAddress		
String	.telephoneNumber	No	The phone number
String	.town		
String	.zipCode		

A.14   AdvantageNotificationData

Type	AccessField	Mandatory	Explanation
List<String>	.advantageExternalNames		

A.15   AdvantageNotificationDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
AdvantageNotificationData	advantageNotificationData		

A.16   Amount

Type	AccessField	Mandatory	Explanation
String	.currencyCode	Yes	Refers to currency code
String	.currencySymbol	Yes	Refers to currency symbol.
String	.displayValue	Yes	Refer to text represenation of amount including currency code.

Member functions:

FunctionName	Parameters	Return	Explanation
isNegative			
isZero			

A.17   AmountBreakdown

Type	AccessField	Mandatory	Explanation
Amount	.amount		
String	.identifier		
PriceComponent	.priceComponent		
Integer	.rank		
Float	.taxRate		
VatCode	.vatCode		

A.18   AudienceCatData

Derived from IntExtCodeObject

A.19   AudienceCategoryKindType

Following values are possible for AudienceCategoryKindType

1. FULL
2. REDUCED
3. FREE

A.20   AudienceSubCatData

Derived from IntExtCodeObject

FunctionName	Parameters	Return	Explanation
AudienceCatData	.audCat		
AudienceCategoryKindType	.audienceCategoryKindType		

A.21   BankAgreementData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
List<Long>	.fileIds		
ContactData	.paymentContact		
PlannedPaymentInfo<PlannedPaymentWithItem>	.plannedPayment		

Member functions:

FunctionName	Parameters	Return	Explanation
allDueDatesPaid			
isAllDueDatesPaid			

A.22   BankTransferData

Derived from BankAgreementData

Type	AccessField	Mandatory	Explanation
Amount	.balance		

A.23 BVRPayment

Type	AccessField	Mandatory	Explanation
String	.codeLine		
String	.contactNumber		
AddressData	.formattedBVRBankAddress		
AddressData	.formattedBVRContactAddress		
AddressData	.formattedBVROrgAddress		
String	.postalAccountNumber		

A.24 CodeGenerationData

Type	AccessField	Mandatory	Explanation
List<String>	.accessCodes		
UrlData	.advantageUri		

A.25 CodeGenerationDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
CodeGenerationdata	.codeGenerationData		

A.26 Commissions

Derived from NonPerformanceItem

A.27 ComposedItem

Derived from AbstractItem

Type	AccessField	Mandatory	Explanation
ComposedItemType	.composedItemType		
List<String>	.hospProdIds		
List<String>	.nonPerfIds		
List<String>	.perfIds		
HospitalityDestination	.hospitalityDestination		
boolean	.isComplete		

Member functions:

FunctionName	Parameters	Return	Explanation
isDynamicPrice			

A.28   ComposedItemType

Following values are possible for ComposedItemType

1. PACKAGE
2. FIXED_PRICE_ST
3. DYNAMIC_PRICE_ST
4. CHAMPIONSHIP
5. HOSPITALITY_BUNDLE
6. ??ASI

A.29   ContactData

Type	AccessField	Mandatory	Explanation
String	.activationuri		
String	.addressSalutation	No	Address salutation of contact.
AddressData	.billingAddress	No	The billing address of contact.
String	.communityType		
String	.contactNumber	Yes	The contact number of contact
Amount	.creditNoteAmount		
String	.displayName	Yes	The name of the contact, with this format : LASTNAME firstname
EmailAddress	.emailAddress		
FinancialInfo	.financialInfo		
String	.firstName		
Gender	.gender		
boolean	.isWaitingAccountAllowed		
String	.lastName		
String	.letterBodySalutation	No	Letter body salutation of contact.
AddressData	.mainAddress	No	The main address of the contact.
Locale	.preferredLanguage	No	Preferred language chosen by contact.
ContactRole	.role		
AddressData	.shippingAddress	No	The shipping address of the contact.
StructureData	.structure		
String	.subTargetGroupContCode		
ContactType	.type		
String	.userName		
String	.validityEndReason		

Member functions:

FunctionName	Parameters	Return	Explanation
isWaitingAccountAllowed		isWaitingAccountAllowed	

A.30   ContactDocumentData

Derived from DocumentData

Type	AccessField	Mandatory	Explanation

ContactData	.contact	Yes	Refers to contact of document.

A.31 ContactReferenceData

Derived from ReferenceData

A.32 ContactRole

Following values are possible for ContactRole

1. PUBLIC
2. PARTNER
3. PRESS
4. PRODUCER
5. PROFESSIONAL
6. PROTOCOL
7. RELAY
8. SERVITUDE
9. SUPPLIER
10. GUIDE
11. CONTRACTOR
12. SUPPORT
13. EXHIBITOR

A.33 ContactType

Following values are possible for ContactType

1. INDIVIDUAL
2. STRUCTURE

A.34 ContainerSearchResult

Type	AccessField	Mandatory	Explanation
String	.containerId		
List<AbstractItem>	.items		

A.35 DetailedFileData

Derived from FileData

Type	AccessField	Mandatory	Explanation
Summary	.bookingsSummary	No	Refers to summary of bookings if any.
Summary	.optionSummary	No	Refers to summary of options if any.
Summary	.saleSummary	No	Refers to summary of sales if any.

A.36 DetailedFileDocumentData

Derived from FileDocumentData

Type	AccessField	Mandatory	Explanation
DetailedFileData	.file	Yes	Refers to the file.

A.37 DetailedInvoiceDocumentData

Type	AccessField	Mandatory	Explanation
DetailedInvoiceData	.invoice	Yes	Refers to the invoice

A.38 DetailedMultiFileData

Derived from MultiFileData

Type	AccessField	Mandatory	Explanation
FileSummary	.bookingSummary		
DirectOptionFileSummary	.directOptionSummary		
FileSummary	.optionSummary		
PaymentSummary	.paymentSummary		
FileSummary	.saleSummary		
ShipmentSummary	.shipmentSummary		

A.39 DetailedMultiFileDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
DetailedMultiFileData	.content		

A.40 DetailedOrderData

Derived from OrderData

Type	AccessField	Mandatory	Explanation
Summary	.bookingsSummary	No	Refers to summary of bookings if any.
Summary	.optionSummary	No	Refers to summary of options if any.
Summary	.refundSummary	No	Refers to summary of refunds if any.
Summary	.saleSummary	No	Refers to summary of sales if any.

A.41 DetailedOrderDocumentData

Derived from DocumentData

Type	AccessField	Mandatory	Explanation
DetailedOrderData	.order	Yes	Refers to the detailed content of the order.

A.42 DirectOptionFileSummary

Derived from AbstractSummary<FileContainer>

A.43 DocGenerationResult

Type	AccessField	Mandatory	Explanation
byte[]	.content		
DocumentData	.exportedData		
String	.templateName		

A.44 DocumentData

Members:

Type	AccessField	Mandatory	Explanation
ContactData	.contact	No	The contact of document depends upon the document type.
String	.defaultCurrency	Yes	The currency to use in this document (equals to the currency of the organization)
ShipmentData	.docShipment		
Long	.documentId		
Boolean	.isDuplicate	Yes	true if the document is a duplicate, false otherwise
Boolean	.isSpecimen	Yes	true if the document is generated from a test environment, false otherwise
Locale	.locale	Yes	The locale of the document contains information about language of the document.
DocumentMetadata	.metadata	Yes	Special informations concerning this document.
OrganizationData	.organization	Yes	The organization is the responsible organization of the point of sales sending the email.
String	.shipmentModeType	Yes	The shipment mode of the current document
String	.shipmentModeType		
String	.version		

Member functions:

FunctionName	Parameters	Return	Explanation
isInternetSalesChannel		Boolean	True if the shipmentModeType is PRINT_AT_HOME
addProperty	String key, String value	-	
addPropertyWithParams	String key, String valueString, List<String> params	-	

A.45   DocumentFormat

Following values are possible for DocumentMetadata

1. PDF
2. EMAIL

A.46   DocumentLanguageType

Following values are possible for DocumentLanguageType

1. FR
2. EN
3. DE
4. IT
5. ES
6. CA
7. NL

A.47   DocumentMetadata

Type	AccessField	Mandatory	Explanation
String	.amountDisplayFormat		
List<EmailContact>	.bccContact		
List<EmailContact>	.ccContact		
boolean	.containsLogo		
String	.documentClassCode		
DocumentFormat	.documentFormat		
String	.documentFormat	Yes	Refers to format of document. Possible formats are EMAIL, PDF.
Long	.documentTypeId		
EmailContact	.fromContact	No	Refers to contact from which the email will be sent. Irrelevant for PDF format.
Date	.generationDate	Yes	Refers to generation date of document. See section on formatting dates to use them in documents.
Map	.miscInfo	Yes	It is a map with key, value which contains miscellaneous information about document. Information contained in this map are: | Key
---
contactPassword
isNewContact	 See section on maps to use them in

			template.
Map	.propertiesMap	No	It's a map with key, value which contains information about all properties of documents. See section on document properties for more details.
String	.subject	No	Refers to subject of the email if the format is EMAIL. Irrelevant for PDF format. More details here.
String	.templateName		
EmailContact	.toContact	No	Refers to contact to which the email will be sent. Irrelevant for PDF format. More details here.

Member functions:

FunctionName	Parameters	Return	Explanation
isContainsLogo			

A.48   EmailAddress

Type	AccessField	Mandatory	Explanation
String	.emailAddress		

A.49   EmailContact

Type	AccessField	Mandatory	Explanation
boolean	.anonymousContact		
String	.displayName		
String	.emailAddress		

A.50   EventOptionAllocation

Derived from EventOptionRequest

Type	AccessField	Mandatory	Explanation
PerformanceItem	.allocatedPerformance		

A.51   EventOptionAllocationData

Derived from AbstractCategoryOptionAllocationData

Type	AccessField	Mandatory	Explanation
EventOptionAllocation	.event		

A.52   EventOptionRequest

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
String	.groupName		
List<PerformanceItem>	.perfItems		

A.53   EventOptionRequestData

Type	AccessField	Mandatory	Explanation
EventOptionRequest	.event		

A.54   FileComment

Following values are possible for FileCommentType

1. CONTACT
2. COMMENT

Type	AccessField	Mandatory	Explanation
String	.comment		
Date	.date		
Long	.orderId		
FileCommentType	.type		

A.55   FileCommentType

Following values are possible for FileCommentType

1. CONTACT
2. COMMENT

A.56   FileContactData

Following values are possible for FileContactType

3. OWNER
4. PROFORMA

Type	AccessField	Mandatory	Explanation
FileContactType	.contactType		

A.57   FileContactType

Following values are possible for FileContactType

1. OWNER
2. PROFORMA

A.58   FileContainer

Derived from AbstractContainer

A.59   FileData

Type	AccessField	Mandatory	Explanation
ContactData	.fileContact	Yes	Refers to the file
Date	.fileCreationDate	Yes	Refers to file creation date.
Long	.fileId	Yes	Refers to fileId
Long	.initialOrderId	Yes	Refers to initial order of the file.
List<Long>	.orderIds	Yes	Refers to set of ids of order contained in the file.
String	.state	Yes	Refers to state of file. Possible states are: RUNNING,SUSPENDED,IN_OPTION,IN_RESERVATION,OPTION_RESERV,CONFIRMED,NOT_SETTLED,PART_SETTLED,SETTLED,CANCELED,ABANDONNED,TECH_ERROR

A.60   FileDocumentData

Derived from DocumentData

Type	AccessField	Mandatory	Explanation
FileData	.file	Yes	Refers to the file.

A.61   FileInvoiceSummary

Derived from AbtractSummary<OrderContainer>

A.62   FilePaymentSummary

Derived from PaymentSummary

Type	AccessField	Mandatory	Explanation
boolean	.hasDepositPayment		
Date	.maxDepositdate		
Amount	.paidDeposit		
PaymentInfo<Payment>	.paidDepositPayment		
PaymentInfo<Payment>	.refundDepositPayments		
Amount	.remainingBalance		

A.63   FileReferenceData

Derived from ReferenceData

A.64 FileRemarkTypeEnum

Following values are possible for FileRemarkTypeEnum

1. CONTACT
2. INTERNAL
3. EXTERNAL

A.65 FileStatus

Following values are possible for FileStatus

1. SALE
2. OPTION
3. CANCELLATION
4. RESERVATION

A.66 FileState

Following values are possible for ItemType

1. RUNNING
2. SUSPENDED
3. IN_OPTION
4. IN_RESERVATION
5. OPTION_RESERV
6. CONFIRMED
7. NOT_SETTLED
8. PART_SETTLED
9. SETTLED
10. CANCELED
11. ABANDONNED
12. TECH_ERROR

A.67 FileSummary

Derived from AbstractSummary<OrderContainer>

A.68 FinancialInfo

Type	AccessField	Mandatory	Explanation
String	.bankName		
String	.bicNumber		
String	.fiscalNumber		
String	.iban		
String	.taxIdNumber		

Member functions:

FunctionName	Parameters	Return	Explanation
isFinanciallForbidden		isFinanciallyForbidden	

A.69   FormattedAddress

Type	AccessField	Mandatory	Explanation
List<String>	.addressLines		
Int	MAX_NUMBER_OF_LINES		

A.70   Gender

Following values are possible for Gender

1. MALE
2. FEMALE
3. UNKNOWN

A.71   GlobalContainer

Derived from AbstractContainer

A.72   GlobalInvoiceSummary

Derived from AbstractSummary<GlobalContainer>

A.73   GoodsOrderDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
int	.orderNumber		
Date	.purchaseOrderDate		
String	.remark		
AddressData	.shipmentAddress		
Date	.shippingDate		
TaxSummary	.taxSummary		

A.74   HospitalityArea

Derived from IntExtCodeObject

Type	AccessField	Mandatory	Explanation
HospitalityDestination	.destination		

A.75   HospitalityDestination

Following values are possible for HospitalityDestination

1. SKYBOX
2. PREMIUM_SEATS
3. LOUNGE
4. BOTH

A.76   HospitalityItem

Derived from AbstractItem

Type	AccessField	Mandatory	Explanation
HospitalitySession	.session		

A.77   HospitalityProduct

Derived from ProductData

A.78   HospitalityRoom

Derived from IntExtCodeObject

A.79   HospitalitySession

Derived from IntExtCodeObject

Type	AccessField	Mandatory	Explanation
Date	.date		
SiteData	.siteData		

A.80   HospitalitySummary

Type	AccessField	Mandatory	Explanation
String	.discountPercent		
Integer	.nbOfDistinctMatches		
Integer	.nbOfPackages		

A.81   InstallmentData

Type	AccessField	Mandatory	Explanation
Date	.duedate		
Long	.orderId		
PaymentMethod	.paymentMethod		
Integer	.rank		

Amount	.remainingAmount		

A.82 InstallmentPaymentInfo

Derived from AbstractPlannedPaymentInfo<Payment>

A.83 InstitutionData

Type	AccessField	Mandatory	Explanation
String	.cardType		
String	.countryCode		
String	.currencyCode		
String	.institCode		
boolean	.isCardSupported		
Locale	.locale		

Member functions:

FunctionName	Parameters	Return	Explanation
isCardSupported		isCardSupported	

A.84 IntExtCodeNamingObject

Derived from IntExtCodeObject

A.85 IntExtCodeObject

Type	AccessField	Mandatory	Explanation
String	.code		
String	.externalName	Yes	Refers to the file.
String	.internalName	Yes	

A.86 InvoiceData

Type	AccessField	Mandatory	Explanation
Amount	.amount	Yes	Refers to invoice amount.
InvoiceData	.cancelledInvoice	No	Refers to cancelled invoice.
Date	.date	Yes	Refers to invoice date.
List<Filedata>	.files	No	Set only if invoice type is OPERATION
ContactData	.invoiceContact	Yes	Refers to invoice contact.
String	.number	Yes	Refers to invoice number
List<OrderData>	.orders	No	Set only if invoice type is ORDER
PaymentSummary	.paymentSummary	No	Refers to payments of invoice

Type	AccessField	Mandatory	Explanation
Summary	.refundSummary	No	Refers to cancellation part of invoice.
Summary	.saleSummary	No	Refers to sales part of invoice.
ShipmentSummary	.shipmentSummary	No	Refers to shipments of order contained in the invoice.
String	.type	Yes	Refers to type of invoice. Possible types are: ORDER, OPERATION.

A.87   InvoiceDocumentData

Type	AccessField	Mandatory	Explanation
InvoiceData	.invoice	Yes	Refers to the invoice

A.88   InvoiceReferenceData

Derived from ReferenceData

A.89   ItemLineType

Following values are possible for ItemLineType

1. OPERATION
2. CHARGES
3. TR_BALANCE

A.90   ItemType

Following values are possible for ItemType

1. COMPOSED
2. PERFORMANCE
3. HOSPITALITY
4. NONPERFORMANCE
5. OVERHEADS
6. COMMISSIONS
7. ORPHAN_CHARGERS

A.91   MatchData

Type	AccessField	Mandatory	Explanation
String	.hostTeam		
String	.opposingTeam		
String	.round		

A.92   MultiFileData

Type	AccessField	Mandatory	Explanation

Type	AccessField		
List\<FileData\>	.files		
Long	.identifier		
MultiFileType	.type		

A.93 MultiFileDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
MultiFileData	.content		

A.94 MultiFileType

Following values are possible for MultiFileType

4. ORDER
5. FILE

A.95 NamingObject

Type	AccessField	Mandatory	Explanation
String	.name		
String	.shortName		

A.96 NonPerformanceItem

Derived from AbstractItem

A.97 OperationInvoiceData

Derived from AbstractInvoiceData

A.98 OperationInvoiceDocumentData

Derived from InvoiceDocumentData\<OperationInvoiceData\>

A.99 OptionAllocationDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
int	.allocatedConfirmedCount		

int	.allocatedUnconfirme dCount		
List<AbstractOptionAllocationData>	.options		
int	.refusedCount		
Amount	.totalPrice		

A.100   OptionData

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
AudienceSubCatData	.audSubCat		
Long	.fileId		
Long	.optionNumber		
ProductData	.product		
OptionState	.state		
OptionType	.type		
boolean	.upgradeAllowed		

Member functions:

FunctionName	Parameters	Return	Explanation
isUpgradeAllowed			

A.101   OptionRequestDocumentData

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
AbstractOptionRequestData	.optionRequest		

A.102   OptionState

Following values are possible for OptionState

1. REQUEST
2. ORDERED
3. ALLOCATION_IN_PROGRESS
4. REFUSED
5. DENIED_CONFIRMED

A.103   OptionType

Following values are possible for OptionType

1. EVENT
2. PACKAGE
3. SEASONTICKET

4. SERVICE

A.104 OrderContainer

Derived from AbstractContainer

A.105 OrderData

Type	AccessField	Mandatory	Explanation
Boolean	.hasTickets	Yes	Set to true if order contains any shipment with tickets.
Amount	.orderAmount	Yes	Refers to order amount. See more on amount here.
Date	.orderCreationDate	Yes	Refers to creation date of order
Long	.orderId	Yes	Refers to orderId
String	.orderRefusalReason	Yes	Set to "None" if order is not refused. Otherwise, possible values are: OrderProblem, PaymentProblem
SalesChannelData	.salesChannel	Yes	Refers to sales channel of order.
String	.state	Yes	Refers to state of order. Possible states are: ABANDONNED, OPEN, VERIFIED, CLOSED, SUSPENDED
String	.type	Yes	Refers to type of order. Possible types are: SALE, OPTION, REFUND, RESERVATION_FREEING, OPTION_FREEING, EXCHANGE, RESERVATION

A.106 OrderDocumentData

Derived from DocumentData

Type	AccessField	Mandatory	Explanation
OrderData	.order	Yes	Refers to the order.

A.107 OrderInvoiceData

Derived from AbstractInvoiceData

A.108 OrderInvoiceDocumentData

Derived from InvoiceDocumentData<OrderInvoiceData>

A.109 OrderReferenceData

Derived from ReferenceData

A.110 OrderRefusalReason

Following values are possible for OrderRefusalReason

1. OrderProblem
2. PaymentProblem
3. None

A.111 OrderState

Following values are possible for OrderState

1. ABANDONNED
2. OPEN
3. VERIFIED
4. CLOSED
5. SUSPENDED
6. SUSPENDED_BALANCE
7. TECH_ERROR
8. CLOSED_SEATING

A.112 OrderSummary

Derived from AbstractOrderSummary

A.113 OrderType

Following values are possible for OrderType

1. SALE
2. OPTION
3. REFUND
4. RESERVATION_FREEING
5. OPTION_FEEING
6. EXCHANGE
7. RESERVATION

A.114 OrganizationData

Derived from IntExtCodeObject

Type	AccessField	Mandatory	Explanation

AddressData	.address	No	The address of organization. More details here.
String	.code	Yes	The code of the organization
String	.currencyCode		
EmailAddress	.emai lAddress		
String	.externalName	Yes	The external name of the organization, in the current chosen language of user.
InstitutionData	.institution		
Map	.legalInformation	Yes	Map containing the administrative numbers and their corresponding values. See section on maps to use them in template.
String	.printingOperator Name		
SalesChannelData	.salesChannel	No	The sales channel sending the email. More details here.
UrlData	.websiteuri		
String	-externalLogoURL		

A.115   OrphanCharges

Derived from NonPerformanceItem

A.116   Overheads

Derived from NonPerformanceItem

Following values are possible for OverheadKind

1. ORDER
2. PAYMENT
3. DELIVERY
4. Integer rank

Type	AccessField	Mandatory	Explanation
OverheadKind	.kind		

A.117   PackageOptionAllocation

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
List<EventOptionAllocationData>	.allocatedEvents		
List<ServiceOptionAllocationData>	.allocatedServices		

A.118   PackageOptionAllocationData

Derived from AbstractCategoryOptionAllocationData

Type	AccessField	Mandatory	Explanation
PackageOptionAllocation	.packages		

A.119 PackageOptionRequest

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
List<EventOptionRequest>	.events		
List<ServiceOptionRequest>	.services		

A.120 PackageOptionRequestData

Derived from AbstractCategoryOptionRequestData

Type	AccessField	Mandatory	Explanation
PackageOptionRequest	.packages		

A.121 Payment

Type	AccessField	Mandatory	Explanation
Amount	. amount	No	Refers to payment amount
String	.contactNumber	Yes	Refers to contact number of the payment contact.
String	.identifier	No	Set if there is any payment identifier.
String	.reference	No	Reference if any.
Date	.referenceDate	No	Refers to reference date of payment.
String	.remark	No	Payment remark.
Date	.valueDate	No	Refers to value date of payment

A.122 PaymentConditions

Derived from NamingObject

A.123 PaymentInfo

Type	AccessField	Mandatory	Explanation
Amount	. totalAmount	No	Refers to sum of amounts of all payments contained in this info.
Date	.deadline		
List<PaymentOverhead>	.overheads		
List<T>	.payments		
PaymentTerms	.paymentTerms		
String	.reference		
Date	.referenceDate		

A.124 PaymentMethod

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
PaymentMethodType	.paymentType		

A.125 PaymentMethodType

Following values are possible for ItemType

1. CASH
2. CHEQUE
3. CANCEL_CHEQUE
4. BANKCARD
5. BANKCARD_CANCEL
6. WITHDRAWAL
7. BANKTRANSFER
8. CREDITNOTE
9. COUPON
10. VOUCHER
11. COUNTERMARK
12. EXTERNAL
13. BVR
14. INVALIDATION
15. WAITINGACCOUNT
16. WAITINGACCOUNT_WITHOUTAUTH
17. DEPOSIT
18. SAPTRANSFERS
19. FIDELITY_POINTS

A.126 PaymentOverhead

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
Amount	.overhead		

A.127 PaymentSummary

Type	AccessField	Mandatory	Explanation
Boolean	. isPaidOnlyByVouchers	Yes	Set only when entire order is paid through vouchers.
PaymentInfo	.paidPayments	Yes	Refers to paid payment contained in the summary.
PaymentInfo	.refundedPayments	Yes	Refers to refunded payment contained in the summary.
Amount	.totalPaidAmount	No	Refers to sum of all paid amounts.
Amount	.totalPlannedPaymentAmount	No	Refers to sum of amounts of bank agreements and installments.

A.128 PaymentTerms

Derived from NamingObject

A.129 Percent

Type	AccessField	Mandatory	Explanation
String	.displayValue		
float	.percent		

A.130 PerformanceItem

Type	AccessField	Mandatory	Explanation
TimeInterval	.duration		
Date	.endTime		
String	.formattedEndTime		
String	.formattedStartTime		
String	.groupKind		
String	.groupName		
MatchData	.match		
Integer	.nbOfFollowers		
Integer	.nbOfParticipants		
String	.rateType		
SiteData	.site		
Date	.startTime		
Date	.startTime		

A.131 PlannedPayment

Derived from Payment

Following values are possible for PlannedPaymentState

1. PAID
2. SUSPENDED
3. TO_BE_TRANSMITTED
4. TRANSMITTED

Type	AccessField	Mandatory	Explanation
Date	.signedDate		

A.132 PannedPaymentInfo

Derived from AbstractPlannedPaymentInfo

A.133 PlannedPaymentWithItem

Derived from PlannedPayment

Type	AccessField	Mandatory	Explanation
List<AbstractItem>	.Items		

A.134 PosData

Derived from IntExtCodeObject

Type	AccessField	Mandatory	Explanation
String	.communityType		

A.135 PriceComponent

Derived from IntExtCodeObject

A.136 ProductData

Derived from InExtCodeObject

Type	AccessField	Mandatory	Explanation
String	.description		
UrlData	.iDescriptionUrl		
UrlData	.iUrl		
ProductFamilyData	.prodFamily		
String	.shortName		

A.137 ProductDocument

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
Long	.productId		
String	.productName		
String	.producturi		
String	.seasonName		

A.138 ProductFamilyData

Type	AccessField	Mandatory	Explanation
String	.familySubType		
String	.familyType		
int	.rank		

A.139 ProductSearchQuery

Type	AccessField	Mandatory	Explanation
List<String>	.audSubCatCodes		
List<String>	.productCodes		

A.140 ProductSummary

Derived from AbstractSummary<GlobalContainer>

Member functions:

FunctionName	Parameters	Return	Explanation
buildSeatingSummary			
buildTaxSummary			

A.141 ReferenceData

Following values are possible for ReferenceType

1. ORDER
2. FILE
3. INVOICE
4. CONTACT

Type	AccessField	Mandatory	Explanation
Date	.expirationDate		
FileState	.fileState		
FileStatus	.fileStatus		
String	.reference		
Date	.referenceDate		
RemarkData	.remarkData		
ReferenceType	.type		

A.142 ReferenceDataDocument

Derived from ContactDocumentData

Type	AccessField	Mandatory	Explanation
ReferenceData	.referenceData		

A.143 ReferenceDocumentData

Derived from ContactDocumentData

A.144 RemarkData

Type	AccessField	Mandatory	Explanation

UserInfoData	.operator		
String	.remark		
Date	.remarkDate		
FileRemarkTypeEnum	.type		

A.145 ReferenceType

Following values are possible for ReferenceType

1. ORDER
2. FILE
3. INVOICE
4. CONTACT

A.146 SalesChannelData

Derived from IntExtCodeObject

Type	AccessField	Mandatory	Explanation
AddressData	.address		
EmailAddress	.emailAddress	No	The email address of sales channel if configured.
boolean	.isInternalSalesChannel		
boolean	.isNetPricesg		
PosData	.pointOfSales		
SalesChannelTypeEnum	.salesChannelType	Yes	The type of the sales channel. The various values are I_AGENCY,I_MAIL,I_BOXOFFICE,I_INTERNET_B2C,I_INTERNET_B2B,I_INTERNET_B2B2C,I_INTERNET_C2C,I_INTERNET_FLASH,I_PHONE_PLATFORM,I_EBO,I_TVM,I_GOODS,E_CONTINGENT,E_POOL_OFFICE,E_REMOTE_STATION,E_FNAC,E_DIGITICK,E_TICKETNET,E_DATASPORT,E_STXFILE,I_REALTIME,E_EXT_WITH_OP,I_INTERNET_B2P;

A.147 SalesChannelTypeEnum

Following values are possible for SalesChannelTypeEnum

1. I_AGENCY
2. I_MAIL
3. I_BOXOFFICE
4. I_INTERNET_B2C
5. I_INTERNET_B2B
6. I_INTERNET_B2B2C
7. I_INTERNET_C2C
8. I_INTERNET_FLASH
9. I_PHONE_PLATFORM

10. I_EBO
11. I_TVM
12. I_GOODS
13. E_CONTINGENT
14. E_POOL_OFFICE
15. E_REMOTE_STATION
16. E_FNAC
17. E_DIGITICK
18. E_TICKETNET
19. E_DATASPORT
20. E_STXFILE
21. E_REALTIME
22. E_MOBILE
23. E_EXT_WITH_OP
24. I_INTERNET_B2P
25. I_INTERNET_LOTTERY

A.148   SaleSeatData

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
Long	.saleSeatId		

A.149   SaleSeatSummary

Type	AccessField	Mandatory	Explanation
List<SaleSeatData>	.saleSeat		

A.150   SeasonTicketOptionAllocation

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
List<EventOptionAllocationData>	.allocatedEvents		

A.151   SeasonTicketOptionAllocationData

Derived from AbstractCategoryOptionAllocationData

Type	AccessField	Mandatory	Explanation
SeasonTicketOptionAllocation	.seasonTicket		

A.152   SeasonTicketOptionRequest

Type	AccessField	Mandatory	Explanation
List<EventOptionRequest>	.events		

A.153 SeasonTicketOptionRequestData

Type	AccessField	Mandatory	Explanation
SeasonTicketOptionRequest	.seasonTicket		

A.154 SeatBlockData

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
SaleSeatData	.fromSeat		
SaleSeatData	.toSeat		

A.155 SeatCategoryData

Type	AccessField	Mandatory	Explanation
String	.catNum		

A.156 SeatCategoryOptionAllocation

Type	AccessField	Mandatory	Explanation
String	.seatCategoryName		

A.157 SeatCategoryOptionRequest

Type	AccessField	Mandatory	Explanation
Integer	.requestedQuantity		
String	.seatCategoryName		

A.158 SeatingSummary

Type	AccessField	Mandatory	Explanation
List<SalesSeatData>	.saleSeat		
List<SeatBlockData>	.seatBlocks		

A.159 ServiceOptionAllocation

Derived from ServiceOptionRequest

Type	AccessField	Mandatory	Explanation
List<ServiceOptionAllocationLine>	.optionAllocationLines		

A.160 ServiceOptionAllocationData

Derived from AbstractOptionAllocationData

Type	AccessField	Mandatory	Explanation

Type	AccessField	Mandatory	Explanation
ServiceOptionAllocation	.service		

A.161   ServiceOptionAllocationLine

Derived from ServiceOptionRequestLine

Type	AccessField	Mandatory	Explanation
Integer	.allocatedCount		
AudienceSubCatData	.audienceSubCategory		
Amount	.taxes		
Amount	.taxlessPrice		
String	.taxRate		
Amount	.totalPrice		
Amount	.unitPrice		

A.162   ServiceOptionRequest

Derived from NamingObject

Type	AccessField	Mandatory	Explanation
List<ServiceOptionRequestLine>	.optionRequestLines		

A.163   ServiceOptionRequestData

Derived from AbstractOptionRequestData

Type	AccessField	Mandatory	Explanation
ServiceOptionRequest	.service		

A.164   ServiceOptionRequestLine

Type	AccessField	Mandatory	Explanation
NonPerformanceItem	.item		
Integer	.requestedQuantity		

A.165   Shipment

Type	AccessField	Mandatory	Explanation
Date	.date		
boolean	.isContainsTickets		
String	.type		

Member functions:

FunctionName	Parameters	Return	Explanation
isContainsTickets			

A.166 ShipmentData

Derived from DocumentData

Type	AccessField	Mandatory	Explanation
ContactData	.contact		
AddressData	.copiedContactAddress		
Int	.countTickets		
Date	.Date		
boolean	.hasInvoice		
Boolean	.isCurrentShipment		
Long	.orderId		
AddressData	.originalContactAddress		
String	.referenceNumber		
String	.remark		
Long	.shipmentId		
ShipmentModeData	.shipmentMode		
UrlData	.shipmentTrackingUrl		
List<TicketInfo>	.tickets		
AddressData	.trackingShipmentAddress		

Member functions:

FunctionName	Parameters	Return	Explanation
actualContactAddress			
isHasInvoice			

A.167 ShipmentModeData

FunctionName	Parameters	Return	Explanation
ShipmentModeType	.type		

A.168 ShipmentModeType

Following values are possible for ShipmentModeType

1. MAIL
2. BOX_OFFICE
3. ELECTRONIC
4. PRINT_AT_HOME
5. LOAD_BADGE
6. LOAD_RFID_CARD

Member functions:

FunctionName	Parameters	Return	Explanation
.isBoxOfficeShipment			
.isElectronicShipment			
.isLoadBageShipment			
.isLoadRfidShipment			

.isPrintAtHomeShipment			

Member functions:

FunctionName	Parameters	Return	Explanation
isPrintAtHomeShipment		Boolean	True if the shipmentModeType is PRINT_AT_HOME

A.169   ShipmentSummary

Type	AccessField	Mandatory	Explanation
List<ShipmentData>	.shipments		
ShipmentModeType	.ticketShipmentModeType		

Member functions:

FunctionName	Parameters	Return	Explanation
addShipment	ShipmentData shipmentData		

A.170   SiteData

Derived from IntExtCodeObject

A.171   StructureData

Type	AccessField	Mandatory	Explanation
String	.addressName1		
String	.addressName2		
String	.communityType		
FinancialInfo	.financialInfo		
Locale	.prefferredLanguage		
String	.structureName		
IntExtCodeObject	.type		

A.172   SubItemLine

Derived from AbstractItemLinea

A.173   Summary

Type	AccessField	Mandatory	Explanation
Map<String,Commissions>	.commissionsMap	Yes	Refers to map which contains commission. It's an empty map when there are no such products.
Map<String,ComposedItem>	.composedItemMap	Yes	Refers to map which contains composed products. It's an empty

			map when there are no such products.
Date	.deadline	No	Refers to latest payment or expiration deadline of product contained in the summary.
Map<String,NonPerformanceItem>	.nonPerformanceItemMap	Yes	Refers to map which contains non-performances. It's an empty map when there are no such products.
Map<String,Overheads>	.overheadsMap	Yes	Refers to map which contains overheads. It's an empty map when there are no such products.
Map<String,PerformanceItem>	.performanceItemMap	Yes	Refers to map which contains performances. It's an empty map when there are no such products.

A.174 SummaryKind

Following values are possible for SummaryKind

1. BOOKING
2. EXCHANGE
3. REFUND
4. EXCHANGE_SALE
5. OPTION
6. REFUND
7. SALE

A.175 SummaryType

Following values are possible for SummaryType

1. FILE
2. ORDER

A.176 SummarySearchResult

Type	AccessField	Mandatory	Explanation
ContainerSearchResult	.containerResult		
AbstractSummary	.summaryReference		

A.177 TaxDetail

Type	AccessField	Mandatory	Explanation
String	.taxPercent		
Amount	.totalAmount		
Amount	.totalTax		
Amount	.woTaxTotalAmount		

A.178   TaxLine

Type	AccessField	Mandatory	Explanation
String	.description		
String	.taxPercent		
float	.taxRate		
Amount	.totalAmount		
Amount	.totalTax		
Amount	.woTaxTotalAmount		

A.179   TaxSummary

Type	AccessField	Mandatory	Explanation
Map<String, TaxLine>	.taxLineMap		
Amount	.totalAmount		
Amount	.totalTax		
Amount	.woTaxTotalAmount		

A.180   TicketInfo

Type	AccessField	Mandatory	Explanation
String	.taxPercent		
TicketSupport	.ticketSupport		

A.181   TimeInterval

Type	AccessField	Mandatory	Explanation
Integer	.nbIfHours		
Integer	.nbOfDays		
Integer	.nbOfMinutes		

A.182   UrlData

Type	AccessField	Mandatory	Explanation
boolean	.isSecured		
String	.urlWithoutPrefix		

Member functions:

FunctionName	Parameters	Return	Explanation
isAnonymousContact	.	anonymousContact	

A.183   UserInfoData

Type	AccessField	Mandatory	Explanation

String	.firstName		
String	.lastName		
String	.login		

A.184   VatCode

Derived from IntExtCodeObject

B. List of macros

B.1 AcrobatReminder

Use	Shows information about adobe reader
Format	{#acrobatReminder ($document)}
Result	
Availability	
Document properties	
Remarks	It is mostly used for emails.

B.2 AddProperty

Use	This macro adds properties into the document.
Format	{#addProperty ($document $propertyKey $propertyvalue)}
Result	
Availability	
Document properties	
Remarks	-

B.3 DisplayEvent

Use	Display event name and dates of given event.
Format	{#displayEvent ($event)}
Result	
Availability	
Document properties	
Remarks	-

B.4 DisplayEventDates

Use	Displays all performance date and times of given event.
Format	{#displayEventDates ($event)}
Result	
Availability	
Document properties	
Remarks	-

B.5 DisplayEventOptionRequestLines

Use	Display event option request lines.
Format	{#displayEventOptionRequestLines ($eventOptionRequestLines)}
Result	
Availability	

Document properties	
Remarks	-

B.6   DisplayOptionCategories

Use	Display option category request quantities
Format	{#displayOptionCategories ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.7   DisplayOptionRequestLabel

Use	Display the name of an option request.
Format	{#displayOptionRequestLabel ($optionRequest)}
Result	
Availability	
Document properties	
Remarks	-

B.8   DisplayOptionUpgradeAllowed

Use	Display option upgradeAllowed.
Format	{#displayOptionUpgradeAllowed ($optionRequest)}
Result	
Availability	
Document properties	
Remarks	-

B.9   DisplayServiceOptionRequest

Use	Display service option request lines.
Format	{#displayServiceOtionRequest ($serviceOptionRequest)}
Result	
Availability	
Document properties	
Remarks	-

B.10   FormatDate

Use	To show dates on documents.
Format	{#formatDate($date "dd MMMMM yyyy" $document.locale)}

	The first argument of this macro is the date itself.
	The second argument is the format in which date needs to be shown.
	The third argument is the locale of the document which is always accessible through $document.locale
Result	*Dear Sir,*
Availability	Available for all document classes.
Document properties	-
Remarks	Internally, this macro uses DateTool class of velocity. Refer to its documentation to know more about list of supported formats. SecuTix provides following standard date format for each language : • dd MMMMM yyyy – standard date format • EEE d.MM.y -- date format to show performance dates

B.11   getSeatBlockInfo

Use	This macro adds properties into the document.
Format	{#getSeatBlockInfo ($seatingSummary $summary $document)}
Result	
Availability	
Document properties	
Remarks	-

B.12   GetProperty

Use	This macro adds properties into the document.
Format	{#getProperty ($document $propertyKey $strictCheck $keyPrefix $keySuffix)}
Result	
Availability	
Document properties	
Remarks	-

B.13   JoinParts

Use	This macro shows objects in comma delimited way.
Format	{#joinParts ($objects)}
Result	
Availability	
Document properties	
Remarks	-

B.14   OrgAddress

Use	Shows complete organization address
Format	{#orgAddress ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.15   Salutation

Use	To show salutations like "Dear Sir/Madam" in documents
Format	{#salutation($document)}
Result	Dear Sir.
Availability	Available for all document classes.
Document properties	-
Remarks	TODO

B.16   ShowAbsoluteAmount

Use	This macro shows amount without sign. The format is : (-)xxx.xx $
Format	{#showAbsoluteAmount ($amount)}
Result	
Availability	
Document properties	
Remarks	-

B.17   ShowAddress

Use	This macro shows address including telephone number, fax number and email address.
Format	{#showAddress ($address $locale)}
Result	MITSUBISHI Yoko NAKAMURA RUE DU MARCHE 12345 TOKYO JAPON
Availability	Available for all document classes.
Document properties	No document properties configured.
Remarks	-

B.18   ShowAmount

Use	To show amounts on documents. This macro shows amount with sign. The format is : (-)xxx.xx ($currencySymbol)

Format	{#showAmount($amount)}
	The argument of macro is the amount itself.
Result	*Dear Sir,*
Availability	Available for all document classes.
Document properties	-
Remarks	-

B.19   ShowCommissions

Use	This macro shows details about performance item.
Format	{#showCommissions ($document $container $summary $showPrices $showQuantity $showVATPrices)}
Result	
Availability	
Document properties	
Remarks	-

B.20   ShowComposedItem

Use	This macro shows details about composed item. It should display the content from new line but shouldn't add any extra line break after the content.
Format	{#showComposedItem ($composedItem $document $summary $showVATPrices)}
Result	
Availability	
Document properties	
Remarks	-

B.21   ShowComposedItemName

Use	This macro shows name of composed item.
Format	{#showComposedItemName ($composedItem $document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.22   ShowComposedItemNameWithValues

Use	This macro shows name of composed item.
Format	{#showComposedItemWithValues ($composedItem $document $summary $showPrices $showQuantity)}
Result	
Availability	

Document properties	
Remarks	-

B.23   ShowConfirmationTicketTable

Use	The macro shows the result of the requested option.
Format	{#showConfirmationTicketTable ($document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.24   ShowContactAddress

Use	This macro shows contact address. First it tries to use shipping address. In case it is not defined, it fallbacks to main address of contact. Nothing is shown in case both these addresses are not defined.
Format	{#showContactAddress ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.25   ShowDeliveryAddressForInvoice

Use	This macro shows delivery contact address for invoice.
Format	{#showDeliveryAddressForInvoice ($document $showContactNb)}
Result	
Availability	
Document properties	
Remarks	-

B.26   ShowDetailOfConfirmationOfCompetition

Use	TODO
Format	{#showDetailOfConfirmationOfCompetition ($item $document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.27   ShowFilePaymentDetails

Use	This macro shows content of payments inside summary.
Format	{#showFilePaymentDetails ($document $paymentSummary)}
Result	
Availability	
Document properties	
Remarks	-

B.28   ShowFileTable

Use	This macro shows the content of file in a tabular form.
Format	{#showFileTable ($document)}
Result	
Availability	
Document properties	
Remarks	See documentation of showSummary for more details.

B.29   ShowInstallmentDetails

Use	This macro shows content of payments inside summary.
Format	{#showInstallmentDetails ($document $ordersWithInstallments)}
Result	
Availability	
Document properties	
Remarks	-

B.30   ShowInstallment

Use	This macro shows installment.
Format	{#showInstallment ($document $installment)}
Result	
Availability	
Document properties	
Remarks	-

B.31   ShowIntExtObject

Use	This macro shows internal / external name of IntExtObject depending upon parameters given.
Format	{#showIntExtObject ($intExtObject $preferExtName)}
Result	
Availability	
Document	

properties	
Remarks	See documentation of showSummary macro for more details.

B.32   ShowInvoiceTable

Use	This macro shows the content of invoice in a tabular form.
Format	{#showInvoiceTable ($document)}
Result	
Availability	
Document properties	
Remarks	See documentation of showSummary macro for more details.

B.33   ShowInvoicingAddressForInvoice

Use	This macro shows facturation contact address for invoice
Format	{#showBillingAddressForInvoice ($document $showContactNb)}
Result	
Availability	
Document properties	
Remarks	-

B.34   ShowItemDeadline

Use	This macro adds properties into the document.
Format	{#showItemDeadline ($item $document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.35   ShowMultiFileTable

Use	This macro shows the content of file in a tabular form.
Format	{#showMultiFileTable ($document)}
Result	
Availability	
Document properties	
Remarks	See documentation of showSummary macro for more details.

B.36   ShowName

Use	Gets the name of object. For this, the object must extend NamingObject.
Format	{#showName ($namingObject $document)}

Result	
Availability	
Document properties	
Remarks	-

B.37 ShowNonPerformanceItem

Use	The macro shows details about performance item
Format	{#showNonPerformanceItem ($nonPerformanceItem $document $summary $showPrices $showQuantity $showVATPrices $produtComposition)}
Result	
Availability	
Document properties	
Remarks	-

B.38 ShowNonPerformanceItemWithValues

Use	This macro shows name of composed item
Format	{#showNonPerformanceItemWithValues ($nonPerformanceItem $document $summary $showPrices $showQuantity $showVATPrices)}
Result	
Availability	
Document properties	
Remarks	-

B.39 ShowNonPerformanceName

Use	This macro shows details about non performance item.
Format	{#showNonPerformanceName ($nonPerformanceItem $document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.40 ShowOptionEventSummary

Use	TODO
Format	{#showOptionEventSummary ($eventOption)}
Result	
Availability	
Document properties	
Remarks	-

B.41   ShowOptionMainProduct

Use	Show the main product of an option request (a bit tricky in case of packages or season tickets)
Format	{#showOptionMainProduct ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.42   showOptionProductSummary

Use	TODO
Format	{#showOptionProductSummary ($productOption)}
Result	
Availability	
Document properties	
Remarks	-

B.43   ShowOptionRequestSummary

Use	Show the details of an option request.
Format	{#showOptionRequestSummary ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.44   ShowOptionSummary

Use	TODO
Format	{#showOptionSummary ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.45   ShowOrderPaymentAndShipmentDetails

Use	This macro shows content of payments & shipment inside order.
Format	{#showOrderPaymentAndShipmentDetails ($document $summary)}
Result	
Availability	
Document	

properties	
Remarks	-

B.46   ShowOrderTable

Use	This macro shows the content of order in a tabular form.
Format	{#showOrderTable ($document)}
Result	
Availability	
Document properties	
Remarks	See documentation of showSummary macro for more details.

B.47   ShowOrgAddressWithLegalInfo

Use	This macro shows the content of a summary across all containers in a tabular form.
Format	{#showSummary ($document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.48   ShowOrgLegalInfo

Use	Shows complete organization address
Format	{#showOrgLegalInfo ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.49   ShowOrphanCharges

Use	This macro shows details about performance item.
Format	{#showOrphanCharges ($document $container $summary $showPrices $showQuantity $showVATPrices)}
Result	
Availability	
Document properties	
Remarks	-

B.50   ShowOverheads

Use	This macro shows details about performance item.
Format	{#showOverheads ($document $container $summary $showPrices $showQuantity

	$showVATPrices)}
Result	
Availability	
Document properties	
Remarks	-

B.51 ShowPaymentDetails

Use	This macro shows content of paymentSummary
Format	{#showPaymentDetails ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.52 ShowPaymentState

Use	Translate the state of a due date agreement
Format	{#showPaymentState ($payment $locale)}
Result	
Availability	
Document properties	
Remarks	-

B.53 ShowPerfItemLines

Use	Shows all itemline contained inside performance/nonperformance item. If there are any chargeLines contained in the performance item, it is followed after itemLines.
Format	{#showPerfItemLines ($item $document $summary $showPrices $showQuantity $showVATPrices $showSeatingInfo)}
Result	
Availability	
Document properties	
Remarks	-

B.54 ShowPerformanceItem

Use	This macro shows details about performance item.
Format	{#showPerformanceItem ($perfItem $document $summary $showPrices $showQuantity $showVATPrices)}
Result	
Availability	
Document properties	

Remarks	-

B.55   ShowPerformanceName

Use	This macro shows name of the performance
Format	{#showPerformanceName ($perfItem $document)}
Result	
Availability	
Document properties	
Remarks	-

B.56   ShowPlaceAndDate

Use	The macro shows place of organization followed by document generation date.
Format	{#showPlaceAndDate ($document)}
Result	TOKYO , 12 juin 2014
Availability	Available for all document classes.
Document properties	-
Remarks	If town name contains more than 10 characters, then the date is shown in next line.

B.57   ShowPlaceAndDateSeparator

Use	This macro shows objects in comma delimited way.
Format	{#showPlaceAndDateSeparator ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.58   ShowPlannedPaymentReference

Use	This macro adds properties into the document.
Format	{#showPlannedPaymentReference ($plannedPayment $document)}
Result	
Availability	
Document properties	
Remarks	-

B.59   ShowProductCompositions

Use	This macro shows all product compositions of a composed product.
Format	{#showProductCompositions ($composedItem $document $summary $showVATPrices)}

Result	
Availability	
Document properties	
Remarks	-

B.60   ShowSeatBlockInfo

Use	This macro adds properties into the document.
Format	{#showSeatBlock ($seatBlock)}
Result	
Availability	
Document properties	
Remarks	-

B.61   ShowShortAddress

Use	This macro shows address including telephone number, fax number and email address.
Format	{#showShortAddress ($address $locale)}
Result	
Availability	
Document properties	
Remarks	-

B.62   ShowShipmentDetails

Use	This macro shows details about composed item.
Format	{#showShipmentDetails ($document $shipmentSummary $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.63   ShowSummary

Use	This macro shows the content of a summary across all containers in a tabular form.
Format	{#showSummary ($document $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.64   ShowSummaryAmount

Use	This macro shows amount with sign. The format is : (-)xxx.xx $
Format	{#showSummaryAmount ($amount $summary)}
Result	
Availability	
Document properties	
Remarks	-

B.65   ShowValue

Use	For displaying an alternate value when the primary one is "null"
Format	{#showValue ($variable $alternate)}
Result	
Availability	
Document properties	
Remarks	-

B.66   ShowVATDetails

Use	This macro shows tax details of summary
Format	{#showVATDetails($document $summary)}
Result	
Availability	-ag-
Document properties	
Remarks	-

B.67   Specimen

Use	This macro marks the document as specimen if the institution is a test institution.
Format	{#markAsSpecimen ($document)}
Result	
Availability	
Document properties	
Remarks	-

B.68   SupportInfo

Use	This macro shows support information. It is mostly used for emails.
Format	{#supportInfo ($document)}
Result	
Availability	
Document properties	

Remarks	-

B.69 UsageReminder

Use	This macro shows the information about tickets. It is mostly used for emails.
Format	{#usageReminder($document)}
Result	
Availability	
Document properties	
Remarks	-

C. List of document helpers

Function Name	Parameters	Return	Explanation
isAmountZero	Amount amount		
isAmountPositive	Amount amount		
isAmountNegative	Amount amount		
getProperty	DocumentData document, String key, boolean strictCheck, String keyPrefix, String keySuffix		
getProperty	DocumentData document, String key		
addProperty	DocumentData document, String key, String value		
hasDiscountItems	DocumentData documentData		
capitalize	String string		
toUppercase	String string, Locale locale		
toLowercase	String string, Locale locale		
padStart	Strin string, char padChar, int maxLength		
padEnd	String string, char padChar, in maxLength		
isNullOrEmpty	String string		
isPaymentInfoForAnyInstallment	List<OrderData> orderData		
getDateFormat	DocumentData document, boolean isLongFormat, boolean isForPerformance		
formatDate	DocumentData document, Date date, String dateFormat		
formatDate	DocumentData document, Date date		

searchProductByCode	ProductSearchQuery			
findStructureAdminValue	StructureData structureData, String structureAdminNumberCode			
sortByInternalName	Collection<U> objects, boolean skipNulls			
sortByExternalName	Collection<U> objects, boolean skipNulls			
sortByCode	Collection<U> objects, booleana ascOrder, boolean skipNulls			
mergeTaxSummary	TaxSummary saleTaxSummary, TaxSummary refundTaxSummary, DocumentData document			
isRejectedRequest	DirectOptionFileSummary summary			
hasComplimentaryTickets Only	DirectOptionFileSummary summary			
buildHospitalitySummary	DocumentData document			
formatNumber	Number number, String string			
formatPercentWithLocale	Float value, Locale locale			
formatPercentage	Float value			
addAmount	Amount amount. Amount amountToAdd, DocumentData documentData			
subtractAmount	Amount amount, Amount amountToSubtract, DocumentData documentData			

D. List of document properties

Name	Code	Use	Documents	Macro specific
AllocatedOption	allocatedOption			
AllocatedQuanti ty	allocatedQuantity			
Deadline	booking.showItem.Deadline			
PaymentDetails	booking.showPaymentDetails			
ShipmentDetails	booking.showShipmentDetails			
ComposedItem Number	composedItem.showInstanceN umber			
File	file			
Items	items			
NoContent	message.noContent			
NonperfItemNu mber	nonperfItem.showInstanceNu mber			
Numbers	number			
Number	numbers			
Option	option			
OptionDeadline	option.showItemDeadline			
OptionPayment Details	option.showPaymentDetails			

OptionShipment Details	option.showShipmentDetails			
Options	options			
PaymentDueDate	paymentDueDate			
RefundPayment Details	refund.showPaymentDetails			
RefundShipment Details	refund.showShipmentDetails			
RefusedOption	refusedOption			
RequestedQuantity	requestedQuantity			
SalePaymentDetails	sale.showPaymentDetails			
SaleShipmentDetails	sale.showShipmentDetails			
FileNumbers	show.FileNumbers			
InstallmentDetails	showinstallmentDetails			
ItemDeadline	showItemDeadline			
OrderNumbers	showOrderNumbers			
PaymentDetails	showPaymentDetails			
ShipmentDetails	showShipmentDetails			
TaxPrice	showTaxPrices			
UnitPriceBefore Discount	showUnitPriceBeforeDiscount			
VATDetails	showVATDetails			
ContactFiscalNb	taxDetail.showContactFiscalNb			
VATInformation	taxDetail.showVATInformation Text			
VATInformation Text	taxDetail.VATInformationText			
TaxlessAmount	taxlessAmount			
Total	total			
TotalOption	totalOption			
TotalPrice	totalPrice			
UnitPrice	unitPrice			
VAT	VAT			
VATRate	vatRate			

E. List of document labels

Part	LabelCode	Use
Date formats	dateFormat.long	
Date formats	dateFormat.short	
Date formats	exchange.refund.label.heading	
Date formats	exchange.refund.lable.heading	
Date formats	invoice.sale.label.heading	
Date formats	performance.dateFormat.long	

Date formats	performance.dateFormat.short	
Installment labels	label.installmentDetails.heading	
Installment labels	label.installmentDetails.heading.dueAmount	
Installment labels	label.installmentDetails.heading.dueDate	
Installment labels	label.installmentDetails.heading.Order	
Installment labels	label.installmentDetails.heading.paymentMethod	
Item specific labels	label.itemDeadline	
Payment table's labels	labal.paymentDetail.refundedPayment.heading	
Payment table's labels	label.paymentDetail.depositPayment.deadline	
Payment table's labels	label.paymentDetail.depositPayment.heading	
Payment table's labels	label.paymentDetail.depositPayment.heading	
Payment table's labels	label.paymentDetail.depositPayment.totalPaid	
Payment table's labels	label.paymentDetail.depositPayment.totalRemainingDeposit	
Payment table's labels	label.paymentDetail.heading	
Payment table's labels	label.paymentDetail.paidPayment.total	
Payment table's labels	label.paymentDetail.paidpayments.heading	
Payment table's labels	label.paymentDetail.paymentAmount	
Payment table's labels	label.paymentDetail.paymentDate	
Payment table's labels	label.paymentDetail.paymentMethod	
Payment table's labels	label.paymentDetail.plannedPayments.total	
Payment table's labels	label.paymentDetail.refundedPayment.total	
Payment table's labels	label_paymentDetail_plannedPayments_paymentTerms	
Shipment table's labels	label.shipmentDetail.qtyOfTicketsInCurrentShipment	
Shipment table's labels	label.shipmentDetail.table.heading	
Shipment table's labels	label.shipmentDetail.tableFooter.quantityExplanation	
Shipment table's labels	label.shipmentDetail.tableHeader.Comment	
Shipment table's labels	label.shipmentDetail.tableHeader.Count	
Shipment table's labels	label.shipmentDetail.tableHeader.Date	
Shipment table's labels	label.shipmentDetail.tableHeader.ShipmentMode	
Shipment table's labels	shipmentModeType.boxOffice	
Shipment table's labels	shipmentModeType.electronic	
Shipment table's labels	shipmentModeType.loadBadge	
Shipment table's labels	shipmentModeType.loadRfidCard	
Shipment table's labels	shipmentModeType.mail	
Shipment table's labels	shipmentModeType.printAtHome	
Summary table's labels	booking.label.heading	
Summary table's labels	label.tableHeader.description	
Summary table's labels	label.tableHeader.File	
Summary table's labels	label.tableHeader.Order	
Summary table's labels	label.tableHeader.quantity	
Summary table's labels	label.tableHeader.taxAmount	
Summary table's labels	label.tableHeader.taxlessAmount	
Summary table's labels	label.tableHeader.taxRate	
Summary table's labels	label.tableHeader.totalAmount	
Summary table's labels	label.tableHeader.unitPrice	
Summary table's labels	label.tableHeader.unitPriceBeforeDiscount	
Summary table's labels	option.label.heading	

Summary table's labels	refund.label.heading	
Summary table's labels	sale.label.heading	
VAT table's labels	label.taxDetail.heading	
VAT table's labels	label.taxDetail.taxAmount	
VAT table's labels	label.taxDetail.taxlessAmount	
VAT table's labels	label.taxDetail.taxRate	
VAT table's labels	label.taxDetail.total	

F. List of document parameters

Parameter Name	Parameter Key	Possible Values	Documents	Remark
	HIDE_SEATING_OPERATIONS	true/false		
	EXPORT_INVOICE_DATA_IN_FILE	true/false		
	EXPORT_PAYMENT_INFO_IN_EMAILS	true/false		
	EXPORT_PROFORMA_CONTACT	true/false		
	COUNTRY_MANDATORY_IN_ADDRESS	true/false		
	GA_TAGS_ACCOUNT_URL	String		
	GA_TAGS_ACTIVATION_URL	String		
	GA_TAGS_PRODUCT_URL	String		
	GA_TAGS_ORDER_URL	String		
	AMOUNT_DISPLAY_FORMAT	String		
	EXPORT_SUB_TARGET_GROUP_INFO	String		

G. List of supported font

- DejaVu Sans Condensed
- Segoe UI
- Segoe Print
- OCR-B
- Times new roman