

# **CGI Advantage<sup>®</sup> 4**

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## **Assembled Transaction Customer Header Creation User Guide**

The CGI logo is rendered in a bold, red, sans-serif font. The letters 'C', 'G', and 'I' are closely spaced and have a consistent thickness, giving it a strong, modern appearance.

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## About this Guide

The guide provides general instructions on how to add custom headers to the Assembly Process documents. The header file is constructed using basic XML knowledge. The format used for constructing the XML file is purely internal to Advantage. This guide provides a series of steps to construct your own header files in xml and customize them further as per requirement.

## Creating the Header File in XML

The header file is used to create a header for the terms and conditions XML files attached with the document that is being assembled.

The basic template for a header file in XML is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
  <table total-width = '500'>
    <table-column column-number="" column-width="" />
    ...
    ...
    <table-body>
      <table-row font-family ="" font-weight ="" >
        <table-cell tpl_txt ="">

          </table-cell>
          <table-cell label ="">
          </table-cell>
          <table-cell label ="">
          </table-cell>
          <table-cell label ="" format-str ="">

        </table-cell>
      </table-row>
      <table-row font-family ="" font-weight ="" >
        <table-cell tpl_txt = "" >
          </table-cell>
          <table-cell tpl_txt = "">

        </table-cell>
        <table-cell tpl_txt = "">
        </table-cell>
        <table-cell font-family ="" font-weight =""
label = "" format-str ="">
          </table-cell>
        </table-row>
      </table-body>

    </table>
```

The above template can be used to construct a header for a normal page with the **Page Orientation** as *Portrait*. However, if the requirement is for a *Landscape* header, then the following template can be used.

```
<?xml version="1.0" encoding="UTF-8"?>
  <table total-width = '650'>
    <table-column column-number="" column-width="" />
    ...
    ...
    <table-body>
      <table-row font-family ="" font-weight ="" >
        <table-cell tpl_txt ="">

          </table-cell>
          <table-cell label ="">
          </table-cell>
```

```

        <table-cell label = "">
        </table-cell>
        <table-cell label = "" format-str = "">

        </table-cell>
    </table-row>
    <table-row font-family = "" font-weight = "" >
        <table-cell tmp1_txt = "" >
        </table-cell>
        <table-cell tmp1_txt = "">

        </table-cell>
        <table-cell tmp1_txt = "">
        </table-cell>
        <table-cell font-family = "" font-weight = ""
label = "" format-str = "">
        </table-cell>
    </table-row>
</table-body>

</table>

```

For example, consider the following header XML file:

```

<?xml version="1.0" encoding="UTF-8"?>
  <table total-width = '500'>
    <table-column column-number="1" column-width="10" />
    <table-column column-number="2" column-width="10" />
    <table-column column-number="3" column-width="21" />
    <table-column column-number="4" column-width="4" />
    <table-body>
      <table-row font-family = "arial" font-weight = "10" >
        <table-cell tmp1_txt = "DOC_TITLE">

        </table-cell>
        <table-cell label = "Document Phase">

        </table-cell>
        <table-cell label = "Document Description">

        </table-cell>
        <table-cell label = "Page %d" format-str
="currentPageNumber">
        </table-cell>
      </table-row>
      <table-row font-family = "arial" font-weight = "8" >
        <table-cell tmp1_txt = "DOC_ID" >
        </table-cell>
        <table-cell tmp1_txt = "DOC_PHASE">

        </table-cell>
        <table-cell tmp1_txt = "DOC_DSCR">
        </table-cell>
        <table-cell font-family = "arial" font-weight
="10" label = "of %d" format-str = "totalPageNumber">

```

```

                </table-cell>
            </table-row>
        </table-body>
    </table>

```

The resultant header will be as follows:

Master Agreement CAT_UPLOAD2	Document Phase Draft	Document Description	Page 3 of 6
---------------------------------	-------------------------	----------------------	----------------

## Understanding the Tags of the XML file

1. XML prototype declaration

```
<?xml version="1.0" encoding="UTF-8"?>
```

This tag is mandatory and is non-editable.

2. Table tag

```
<table total-width = '500'>
```

This tag is mandatory; the width of the table can be modified but it is not advised as this is standard.

If total-width = '0' then no header is rendered on the terms and conditions PDF.

3. Table- column tag

```
<table-column column-number="1" column-width="10" />
```

This tag is mandatory and specifies the properties of a column:

- column-number : specifies the number of the column
- column-width : specifies the width of the column

You can add a column tag for each column in your header table.

If you require 4 columns in your header, then add as follows:

```

<table-column column-number="1" column-width="10" />
<table-column column-number="2" column-width="10" />
<table-column column-number="3" column-width="21" />
<table-column column-number="4" column-width="4" />

```

For 3 Columns add as follows:

```
<table-column column-number="1" column-width="10" />
<table-column column-number="2" column-width="10" />
<table-column column-number="3" column-width="25" />
```

If only a single line is required, then add just one column-tag.

Note: The column-width should be kept in ratio with the table-width, you can check that by assuring the (sum of all column-widths) \*10 is close to the table-width (difference should be under 50) for better results.

#### 4. Table-body tag

```
<table-body>
```

This tag is mandatory and should be rendered before starting with the actual contents of the header table.

#### 5. Table- row tag

```
<table-row font-family ="arial" font-weight ="10">
```

This tag is mandatory and specifies the properties for a complete row in the header table. The number of table-row tags determines the total number of rows in the header.

The attributes can be modified as follows:

- font-family: specifies the font file name (without any file extension). The physical font file with this name should be present under the location specified on mentioned in 'FormsAssemblyFontsDir' property on in ADV30Params.ini file. The same font will be applied for the entire row. This property is case sensitive.
- font-weight: specifies the font size. A value of '10' will render a text of size as follows:

## Master Agreement

#### 6. Table-cell tag

```
<table-cell tmp1_txt ="DOC_TITLE">
</table-cell>
<table-cell label ="Document Phase">
</table-cell>
```

This tag is mandatory and it specifies the properties of each column of the row.

The number of these tags should be in synchronization with the number of columns that are defined with the <table-column> tag.

It can have the following attributes:



- i. `tmpl_txt`: acts as a placeholder for values that will be rendered at runtime. The 4 supported place holder values for the header are listed in the following table.

PLACEHOLDER TEXT	RUNTIME VALUE SUBSTITUTED
TMPL_TXT:DOC_TITLE	the transaction's title
TMPL_TXT:DOC_ID	the transaction's ID
TMPL_TXT:DOC_PHASE	the transaction's phase
TMPL_TXT:DOC_DSCR	the transaction's description

- ii. `label`: places static text on the header, such as:

```
<table-cell label = "Document Phase">
</table-cell>
```

Renders as follows on the PDF:

## Document Phase

- iii. `format-str`: it can have only 2 values, either `currentPageNumber`, which places the current page number on the header or `totalPageNumber`, which places the total page number on the header.
- iv. The following provides an example of how you can render the page number to your PDF header:

```
<table-cell label = "Page %d" format-str = "currentPageNumber">
</table-cell>
```

"%d" is a placeholder for the value returned from the `format-str` attribute; here it will be the current page number. Output is as follows on the PDF:

## Page 4

Note: The formatting of the text in all of the columns is defined once in the `table-row` tag but it can also be defined specific to cells with `table-cell` tag as follows:

```
<table-cell font-family = "arial" font-weight = "10"
label = "of %d"
format-str = "totalPageNumber">
</table-cell>
```

Also shown above are the 4 supported place holder values for the header. At runtime the corresponding values from the document being processed will be substituted at the given location.

Once you have created the desired header document, save it as an xml file.

## Deploying the Custom Header

Once you have the created <customheader>.xml, it will need to be placed in the directory folder referenced in the FormsHeaderXMLFileLocation.

```

ADV30Params.ini - Notepad
File Edit Format View Help
##
## temporary files created during the forms assembly
## process
##
## 2.FormswordMLXSLStyleSheet Location of the wordML to XSL-FO XSL Stylesheet
##
## 3.FormsFOPBaseDir Location of Apache FOP base / install directory
##
## 4.FormsHeaderXMLFileLocation Directory where the template header file for forms are locate
##
## 5.FormswordMLSummaryFile Template word file for T&C summary text
##
## 6.FormsFOPUserConfigFile Custom configuration file location to modify / configure
## Apache FOP installation. Properties like additional fonts
## can be added through this file
##
##
## 7.FormsAssemblyFontsDir Location of the Font directory
##
#####
FormsAssemblyBaseDir=C:/Views/DOC_Assembly_FN36/ADV34_35/RTFfiles/VLS1
FormswordMLXSLStyleSheet=C:/Views/DOC_Assembly_FN36/ADV34_35/RTFfiles/VLS1/Forms/wordml_xslstylesheets/word2FO.xsl
FormsFOPBaseDir=C:/Views/DOC_Assembly_FN36/ADV34_35/Utils/fop-0.20.5
FormsHeaderXMLFileLocation=C:/Views/DOC_Assembly_FN36/ADV34_35/RTFfiles/VLS1/forms/header
FormswordMLSummaryFile=C:/Views/DOC_Assembly_FN36/ADV34_35/RTFfiles/VLS1/Forms/TC_Summary_Template.xml
FormsFOPUserConfigFile=C:/Views/DOC_Assembly_FN36/ADV34_35/Utils/fop-0.20.5/conf/userconfig.xml
FormsAssemblyFontsDir=C:/Views/DOC_Assembly_FN36/ADV34_35/Utils/fop-0.20.5/conf
    
```

Then you will need to go into the ADMIN application’s Assembly Configuration (ASCG) page and alter the desired form’s Header Template File Name to be the name of the newly created custom header.

**Assembly Configuration**

Application Resource	Print Job CD	Max Wait Time	Ping Frequency
✓ BAFO	SO_FORM	5	20
CT	PO_FORM	5	20
DO	PO_FORM	5	20
MA	MA_DRAFT	5	20
MA	MA_DRAFT_PDF	5	20
MA	MA_FINAL	5	20
MA	MA_FINAL_PDF	5	20
MA	MA_FORM	5	20
MA	MA_FORM_PDF	5	20
MA	MA_PENDING	5	20

First Prev [Next](#) [Last](#)

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[Save](#) [Undo](#) [Delete](#) [Insert](#) [Copy](#) [Paste](#) [Search](#)

Application Resource: <input type="text" value="BAFO"/>	Max Wait Time for Assembly Job (in min): <input type="text" value="5"/>
Print Job CD: <input type="text" value="SO_FORM"/>	Ping Frequency to Print Resource (in sec): <input type="text" value="20"/>
Print Job Name: <input type="text" value="Solicitation Printer"/>	Number of Cover Page: <input type="text" value="0"/>
Department: <input type="text"/>	Form Title: <input type="text" value="Purchase Order"/>
Unit: <input type="text"/>	Realm: <input type="text" value="ASMBRLM"/>
	Header Template File Name: <input type="text" value="header.xml"/>