

Use Pre-Established Table of Contents Template

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If the customer provides a pre-established XLS template to use on a project, you can use it instead of using the default template. To use the XLS template, values will need to be replaced with general and/or section title page variables from the "TYPE=Comp Section Title" tab of the template variables sheet. For more information about template preparation, see [section below](#).

Variable	Description	Available Parameters
Compilation Meta Data		
<CompilationName>	Compilation Name	
<TotalPages>	Total Pages	
Doc Code Meta Data		
<Section_TOCTNumber>	Section TOC Number	
<Section_TOCHHeader>	Section TOC Header	
<Section_HasDocCodes>	If Section includes Doc Codes, then variable returns Yes, else No.	
Columnar Layout:		
<Start_Section_FullHierarchyTree>	Array with document codes and sections which are included into Section.	count(YYY) columns AutoHeight
<Section_FullHierarchyTree.TOCTNumber>	TOC Number	
<Section_FullHierarchyTree.TOCHHeader>	TOC Header	
<Section_FullHierarchyTree.TOCTType>	Option shows type of the object. Returns "DOC_CODE" or "SECTION"	
<End_Section_FullHierarchyTree>		
Columnar Layout:		
<Start_Section_Documents>	Array with document codes, cards and sections which are included into Section.	count(YYY) columns AutoHeight
<Section_Documents.TOCTNumber>	TOC Number	
<Section_Documents.TOCHHeader>	TOC Header	
<Section_Documents.TOCTAnnex>	TOC/Code suffix for Included In and Not Applicable Codes	
<Section_Documents.TOCTType>	Option shows type of the object. Returns "DOC_CODE" or "SECTION"	

Select a Section Title Page Template

First, you will need to prepare the template and upload it the DocBoss (see article for instructions: [Upload Templates into DocBoss](#)). For the template type, select "Compilation Section Title Page."

Once uploaded, select this template to be used on the compilation editing screen (Project Menu > Index Reports & Compilations > [Compilation Name] > Templates).

Templates	
Compilation Cover Page:	Default Compilation Cover Page [XLS] (system) ▼
Table of Contents:*	Compilation Table of Contents Template (system) ▼
Section Title Page:*	Valve Project Section Title Page [XLS] (Tunde Dorloti) ▼
Doc Code Title Page:*	Compilation Doc Code Title Page [XLS] (system) ▼
Sub-Package Title Page:	Compilation Sub-Package Title Page (system) ▼

Manage Document Codes and Sections

Because a customer-provided template is being used, the system-generated table of contents will need to be removed. From the "Document Codes and Sections" area of the compilation editing screen, delete the table of contents from the compilation structure.

Document Codes and Sections

* Hold CTRL (or SHIFT) and use left mouse click to select multiple codes

+ Compilation Cover Page + Index + Section

Name	Type	Tools	Sort Alphabetically
Table of Contents	TOC		
General Documents	Section		
B14 Vendor Sub-Orders	Doc Code		
A01 Vendor Document Register	Doc Code		
Engineering Documents	Section		
C02 Sizing Calculations	Doc Code		
B01 General Arrangement Drawings	Doc Code		

Once the table of contents is removed, create a new section by clicking the "+ Section" button above the grid. Give the new section a name, and leave the "Put inside another section?" option to "No".

Add Section

2 Name* STP

Put inside another section?* No

Section title page template Use Compilation Defaults

Cancel Save

+ Compilation Cover Page + TOC + Index + Section

Type Tools Sort Alphabetically



The section name will not appear in the table of contents but will be included in the bookmarks of the generated compilation.

Once the section is created, move the entire compilation structure (cards, sections, etc.) into the new section. To do this, hold CTRL (or SHIFT) and use the left mouse click to select multiple items. Once selected, click and drag the selected items into the section.

Document Codes and Sections

* Hold CTRL (or SHIFT) and use left mouse click to select multiple codes

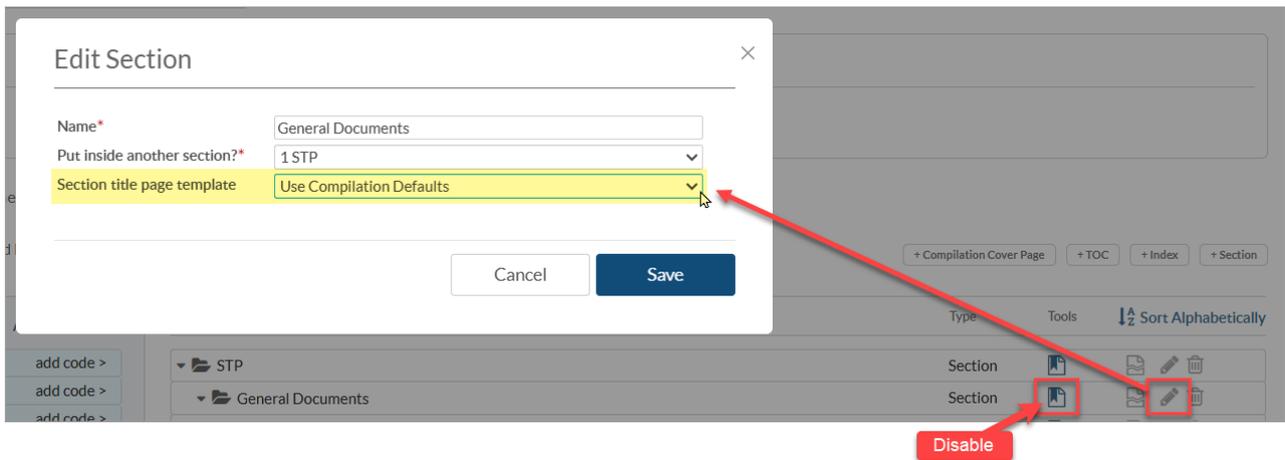
+ Compilation Cover Page + TOC + Index + Section

Name	Type	Tools	Sort Alphabetically
STP	Section		
General Documents	Section		
B14 Vendor Sub-Orders	Doc Code		
A01 Vendor Document Register	Doc Code		
Engineering Documents	Section		
C02 Sizing Calculations	Doc Code		
B01 General Arrangement Drawings	Doc Code		

Optional: Adjust the Section Title Pages

If the customer requires a **different** section title page for each sub-section within the compilation, a different section title page template can be selected for each sub-section by clicking the pencil icon and choosing a different template (i.e., not using the compilation default). Alternatively, if the customer **does not require** a section title page

for sub-sections, it can be disabled using the button under "Tools."



Update Depth of TOC

With the new section introducing an additional depth level to the compilation structure, the TOC depth should be increased to ensure all information is displayed in the output.

Table of Contents and Bookmarks sections options

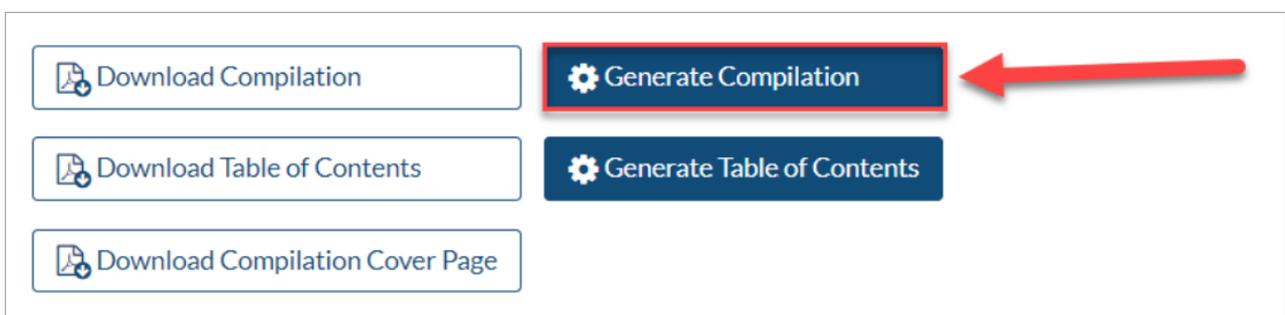
Depth of TOC:*	<input type="text" value="4"/>	Depth of Bookmarking:	<input type="text"/>
Depth of TOC numbering:	<input type="text"/>	Start of TOC numbering:*	<input type="text" value="1"/>
Hide first level TOC numbers	<input type="checkbox"/>		

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Bookmark pattern for cover page entry:*	<input type="text" value="<Title>"/>	
Bookmark pattern for TOC entry:*	<input type="text" value="Table of Contents"/>	
TOC/Bookmark pattern for cards:*	<input type="text" value="<Title>"/>	

Generate Compilation (Result)

Because the separate system-generated table of contents is no longer in the compilation structure, the entire compilation must be generated to see the result of the above steps.



To see specific card details (e.g., doc numbers, etc.), the compilation must be linked to the doc code. For instructions on linking a compilation to a doc code, see this article: [Attach Compilation/TOC to a Doc Code](#).

Variables

To prepare a pre-established TOC template, general and/or section title page variables from the "TYPE=Comp Section Title" tab can be used.

<Supplier_Logo>		General variables
Project Reference:	<Project_Name>	
Equipment Description:	<Project_Description>	Card variables
Supplier Name:	<Supplier_Name>	
Purchase Order Number :	<PO_Number>	
Item/Model:	<Document_Model_List>	
Tag Nos:	<Card_EqList Autoheight>	
Document Number:	<Document_CustomerDocNumber>	

Content Layout Options

1. Full Hierarchy Tree arrays

The TOC Number and TOC Header variables included within the <Start_Section_FullHierarchyTree> and <End_Section_FullHierarchyTree> arrays will display the included document codes and section.

Doc Code Meta Data	
<Section_TOCTNumber>	Section TOC Number
<Section_TOCHHeader>	Section TOC Header
<Section_HasDocCodes>	If Section includes Doc Codes, then variable returns Yes, else No.
<i>Columnnar Layout:</i>	
<Start_Section_FullHierarchyTree>	Array with document codes and sections which are included into Section. TOC Number TOC Header Option shows type of the object. Returns "DOC_CODE" or "SECTION"
<Section_FullHierarchyTree.TOCTNumber>	
<Section_FullHierarchyTree.TOCHHeader>	
<Section_FullHierarchyTree.TOCType>	
<End_Section_FullHierarchyTree>	

Result (Example):

Section	Description	Page No.
1.1	General Documents	2
1.1.1	B14 - Vendor Sub-Orders	3
1.1.2	A01 - Vendor Document Register	4
1.2	Engineering Documents	5
1.2.1	C02 - Sizing Calculations	6
1.2.2	B01 - General Arrangement Drawings	8

2. Section Documents arrays

The variables included within the <Start_Section_Documents> and <End_Section_Documents> arrays will display the compilation structure hierarchy (including the cards).

Columnar Layout:	
<Start_Section_Documents>	Array with document codes, cards and sections which are included into Section.
<Section_Documents.TOCNumber>	TOC Number
<Section_Documents.TOCHeader>	TOC Header
<Section_Documents.TOCAnnex>	TOC/Code suffix for Included In and Not Applicable Codes
<Section_Documents.TOCType>	Option shows type of the object. Returns "DOC_CODE" or "SECTION"
<Section_Documents.DocCode>	Primary Document Code
<Section_Documents.IncludedCode>	String with doc codes which are included into Card
<Section_Documents.StageAbbr>	Document Current Stage abbreviation
<Section_Documents.Title>	Document Title
<Section_Documents.SupplierDocNumber>	Document Supplier Doc Number
<Section_Documents.CustomerDocNumber>	Document Customer Doc Number
<Section_Documents.EndUserDocNumber>	Document End User Doc Number
<Section_Documents.SubSupplierDocNumber>	Document Sub-Supplier Doc Number
<Section_Documents.DocCodeSupplierDocNumberList>	List of all Supplier Doc Numbers for Doc Code.. Value is empty for section.
<Section_Documents.DocCodeCustomerDocNumberList>	List of all Customer Doc Numbers for Doc Code.. Value is empty for section.
<Section_Documents.CustFieldX>	Document Custom FieldX, X is ID of custom Doc Code / Card Field. Value is empty for non-card objects.
<Section_Documents.PageStartShow>	Page number
<Section_Documents.DocumentPages>	Document Pages Count (including Cover Sheets). Value is empty for non-card objects.
<End_Section_Documents>	

Result (Example):

Section	Description	Section	Customer Doc Number	Page No.
1.1	General Documents			2
1.1.1	B14 - Vendor Sub-Orders	Doc Code		3
1.1.1.1	Vendor Sub-Orders		1234-B14-5	Card
1.1.2	A01 - Vendor Document Register			5

3. Order Data Source arrays

The variables included within the <Start_AllUnits|highOrderDataSource(Section_Documents)> and <End_AllUnits> arrays will list information related to all equipment data. These arrays should be used within the <Start_Section_Documents> and <End_Section_Documents> arrays in order to cross-reference card variables with the equipment units.

Columnar Layout:	
<Start_Section_Documents>	Array with document codes, cards and sections which are included into Section.
<Start_AllUnits highOrderDataSource(Section_Documents)>	<p>Array with document units</p> <p>Every unit is shown, regardless of duplicate equipment number values. i.e. If Tag is set as equipment number, and Tag1 is used on 5 equipment unit rows, there will be 5 rows in this output for Tag1.</p> <p>Array with list of ALL equipment units. Each value is treated separately.</p> <p>It is possible to show only units with unique set of variables using distinct parameter. Not listed in the parameter variables will be empty. Example of applying "distinct" parameter: <Start_AllUnits HighOrderDataSource(Section_Documents) distinct(Model, Tag)></p> <p>It is possible to define own sorting rule using sortBy or (and) SortOrder parameters</p>
<AllUnits.SupplierLineNumber>	Supplier Line Number Value
<AllUnits.CustomerLineNumber>	Customer Line Number Value
<AllUnits.Model>	Item/Model Value
<AllUnits.Tag>	Tag Value
<AllUnits.SubSupplier>	Sub-Supplier Value
<AllUnits.CustomerPONumber>	Customer PO Number Value
<AllUnits.CustomerPORevNumber>	Customer PO REV Value
<AllUnits.ShipDate>	Shipment Date
<AllUnits.Milestone>	Milestone Date
<AllUnits.MajorTag1>	MajorTag1 Value
<AllUnits.CustomX>	CustomX Value (X is ID of custom Equipment Field)
<AllUnits.CombinationUnitX>	CombinationUnitX Value (X is ID of CombinationUnit Field, Integer starting from 1)
<End_AllUnits>	
<End_Section_Documents>	

Result (Example):

SIZING CALCULATIONS INDEX

Item	Tag Number	Item/Model	Page No.
1	Tag1	Needle Steel Valve	2
2	Tag2	Needle Steel Valve	3
3	Tag3	Needle Steel Valve	4
4	Tag4	Needle Steel Valve	11
5	Tag5	Globe Steel Valve	12
6	Tag6	Globe Steel Valve	13
7	Tag7	Globe Steel Valve	18
8	Tag8	Globe Steel Valve	19
9	Tag9	Globe Steel Valve	23
10	Tag10	Butterfly Valve	24
11	Tag11	Butterfly Valve	25
12	Tag12	Butterfly Valve	26
13	Tag13	Butterfly Valve	27
14	Tag15	Butterfly Valve	28
15	Tag15	Butterfly Valve	28



This layout is helpful for creating an index for packages of engineering documents (e.g., drawings, data sheets, calculations, etc.) to list the equipment units with the applicable page number of each document.