

# Tips and Tricks CATIA Forum

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CAD Support

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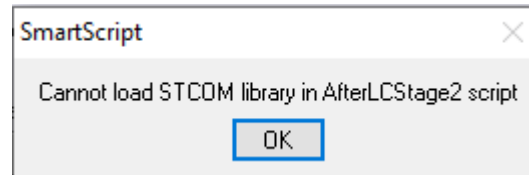
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# Error “Cannot load STCOM library”

Bug by CATIA/SmarTeam Installation

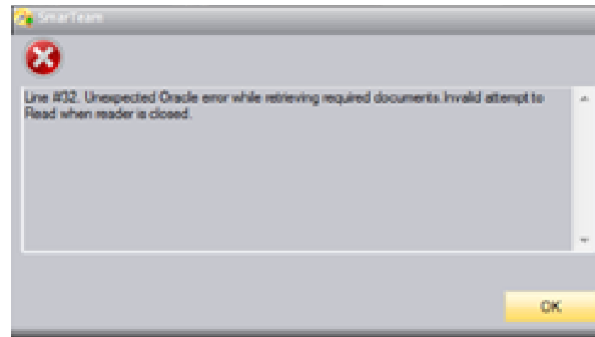


Solution:

- Contact CAD support, it is needed to relaunch the CMF installation.
- Will be solved soon.

# Open Multi fails

## Unexpected Oracle Error

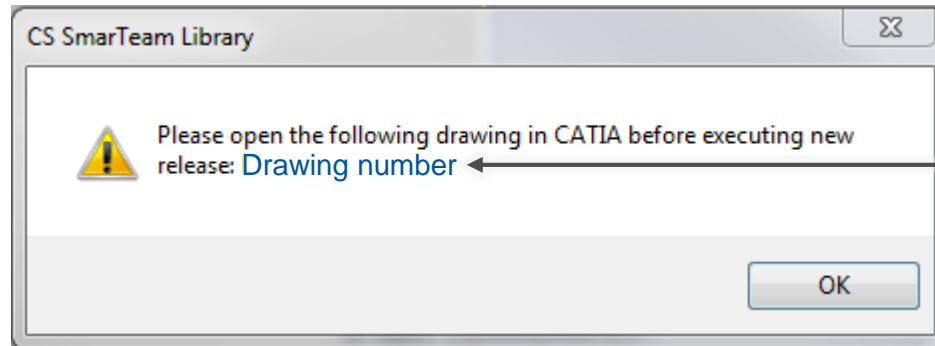


### Solution:

- Clean the work and try the operation again.
- Problem will be solved soon

# Error New release in a drawing

You try to perform a new release in your drawing and you get this message:




But your drawing is already open!

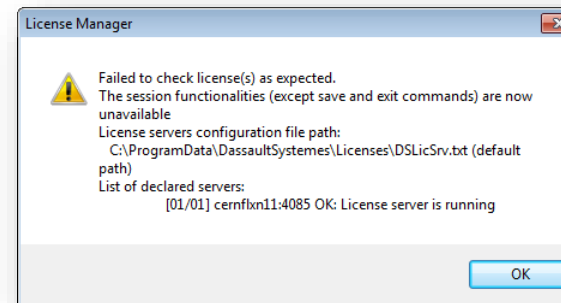
Sometimes appears when it was already performed new release in the 3D Solution

- Clean Work
- Open the drawing/Change the links to the new opened 3D
- Try to perform again new release

# Bad configuration power settings and offline files may cause you problems of ST disconnections

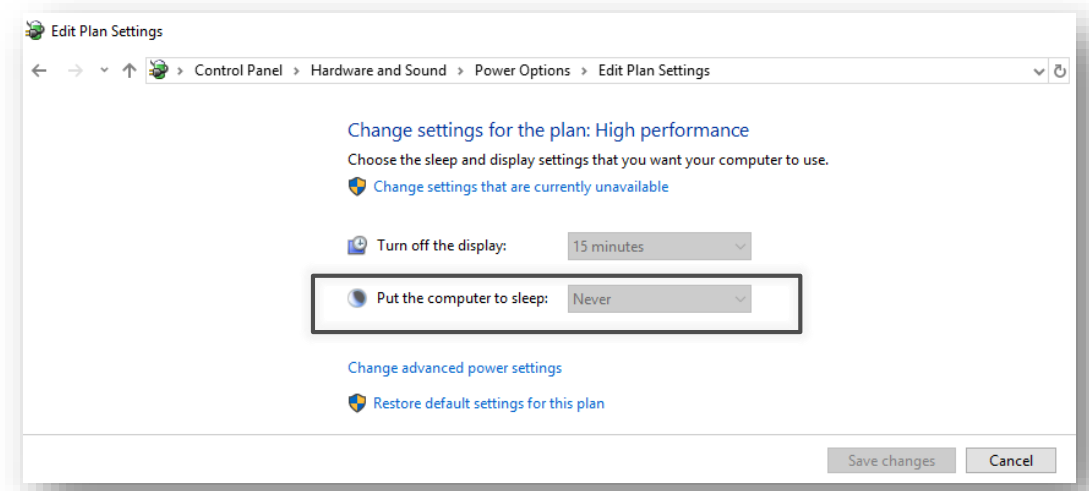
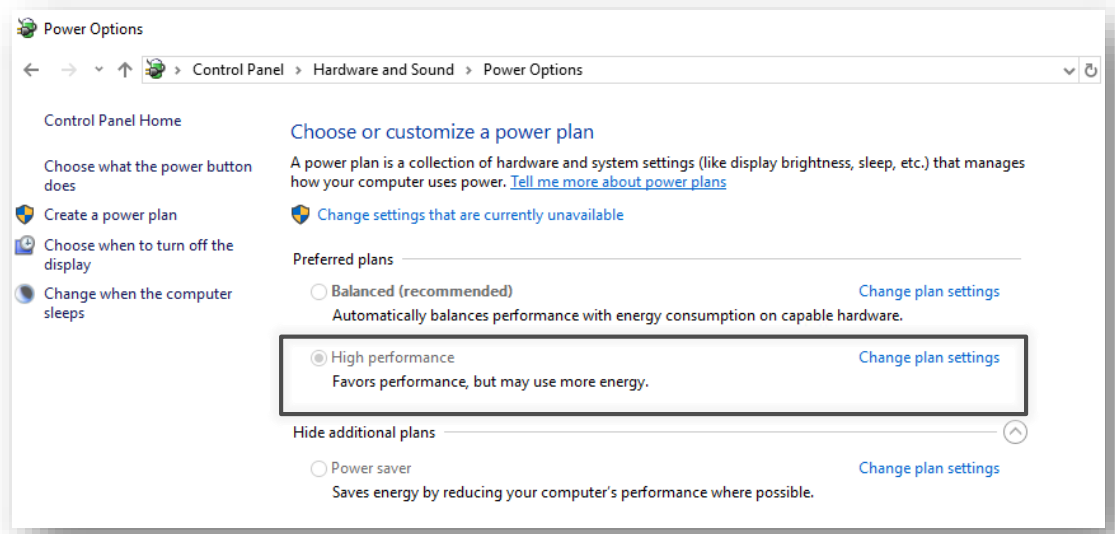
PCs not installed by CAE Workstations may have a configurations problems in:

- Admin rights 
- Power settings
- Offline files



# Power settings

- High performance.
- Never Sleeps

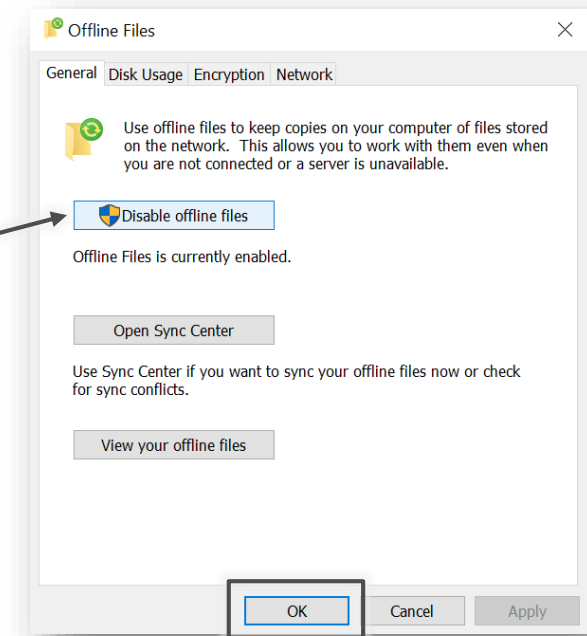
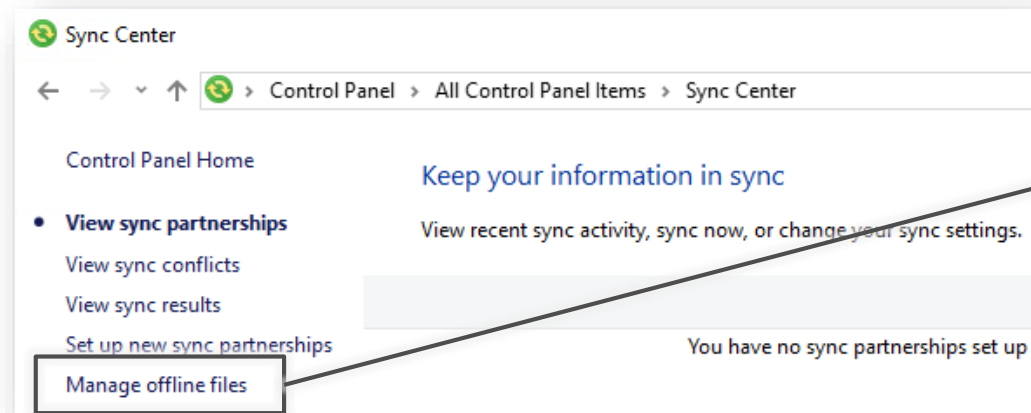


You can find the options navigating here:

Control Panel\Hardware and Sound\Power Options

# Offline Files

- Disable the offline files



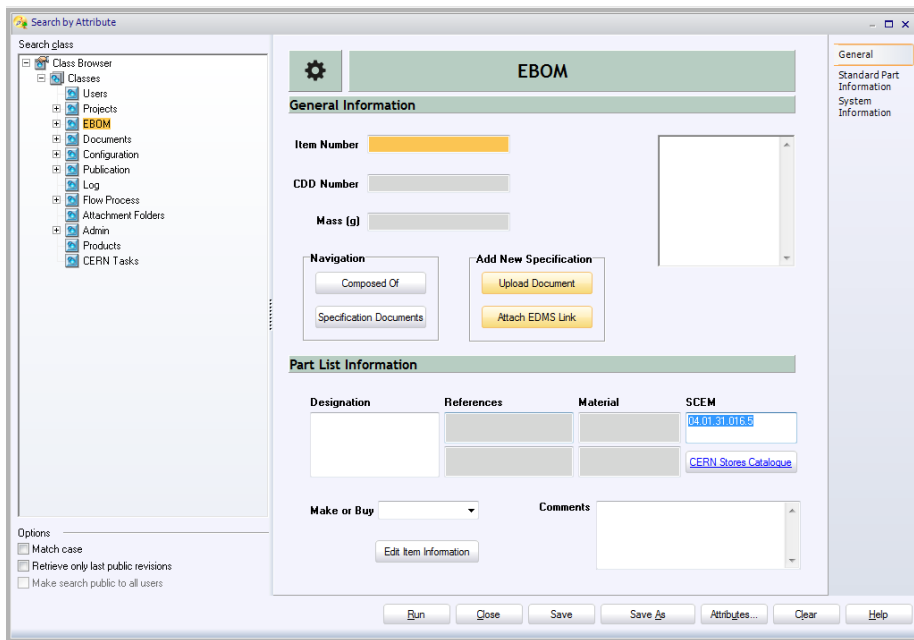
You can find the option navigating here:

**Control Panel\All Control Panel Items\Sync Center**

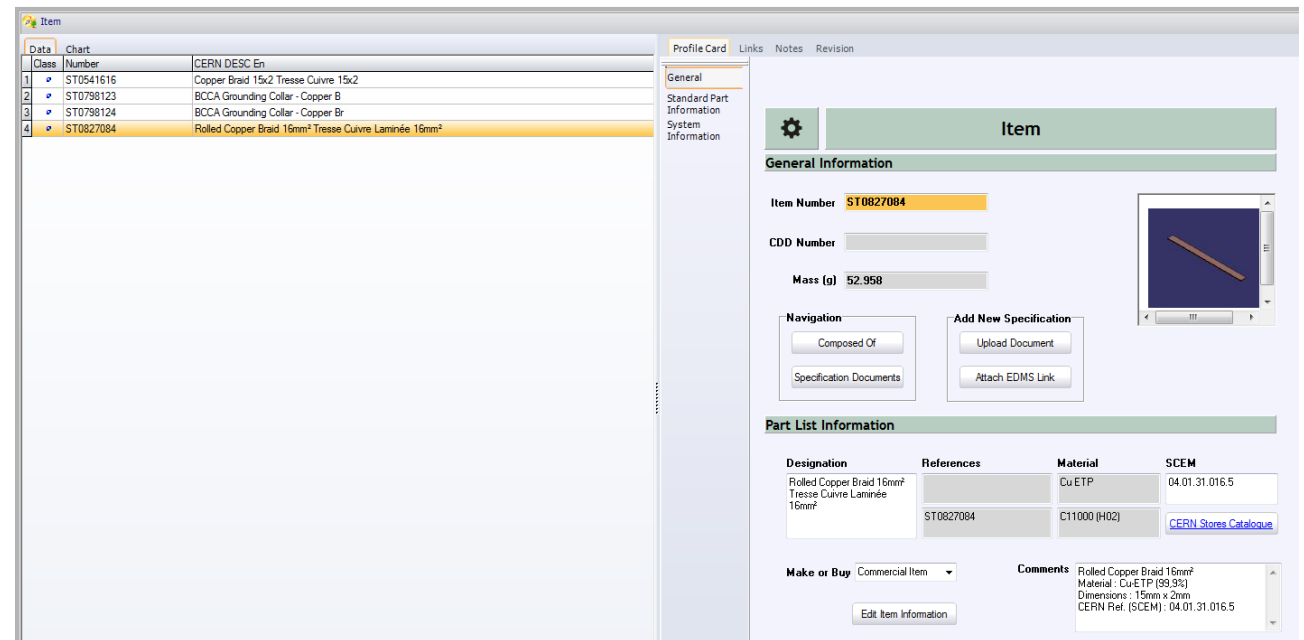


# How to show the SCEM in a BOM?

- Search for the SCEM in SmarTeam



Search window

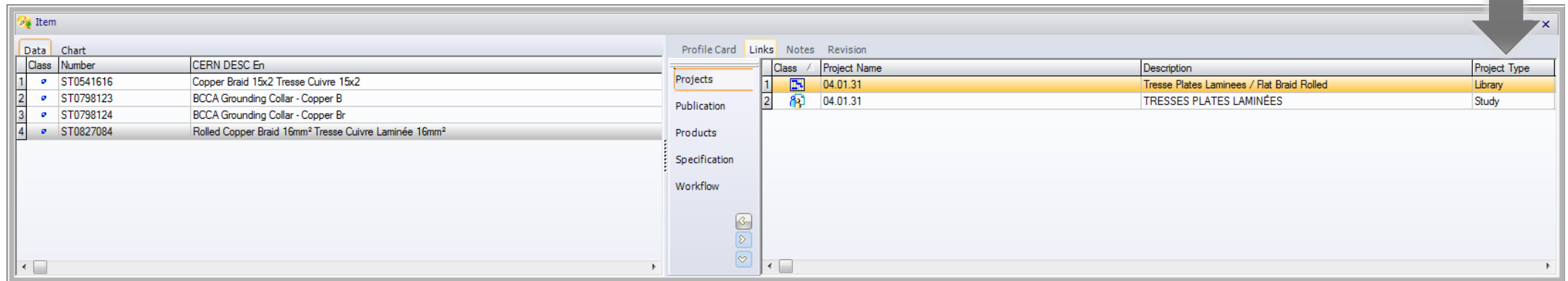


Results window

# How to show the SCEM in a BOM?

Trick to recognize a catalog Item?

- Links/Projects → Belong to an official catalog project
- Links / Specification → Has a 3D released for catalog



The screenshot shows a software interface with two main tables. The left table is titled 'Data' and has columns 'Class', 'Number', and 'CERN DESC En'. The right table is titled 'Links' and has columns 'Class / Project Name', 'Description', and 'Project Type'. A large grey arrow points down to the 'Links' table.

Class	Number	CERN DESC En
1	ST0541616	Copper Braid 15x2 Tresse Cuivre 15x2
2	ST0798123	BCCA Grounding Collar - Copper B
3	ST0798124	BCCA Grounding Collar - Copper Br
4	ST0827084	Rolled Copper Braid 16mm <sup>2</sup> Tresse Cuivre Laminée 16mm <sup>2</sup>

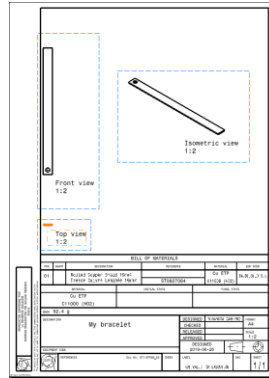
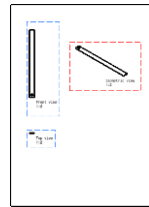
  

Class / Project Name	Description	Project Type
1 04.01.31	Tresse Plates Laminees / Flat Braid Rolled	Library
2 04.01.31	TRESSES PLATES LAMINÉES	Study

# How to show the SCEM in a BOM?

## How to use the catalog Item

- You can base your design from the 3D released for catalog (Save as)



- Copy the catalog Items and paste in the tab “Links” / “Compose of”
- The reference will appear in the BOM list showing it like a raw material

**EBOM**

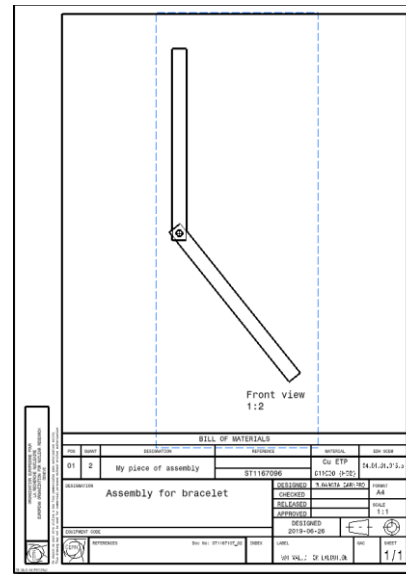
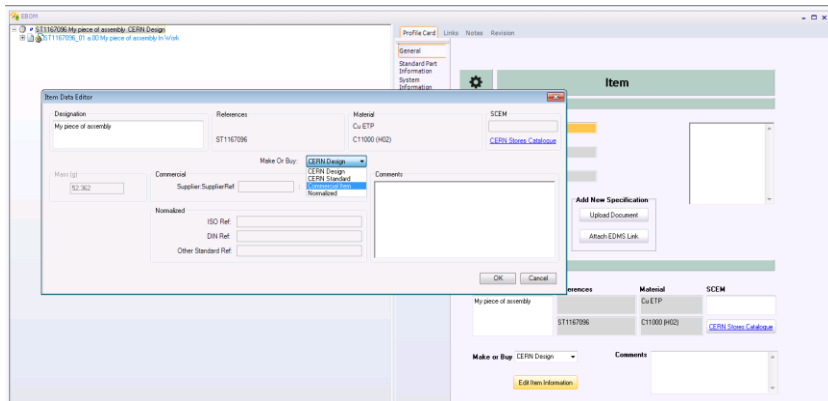
- ST1167080 My bracelet CERN Design
- ST1167080\_02 a.00 My bracelet In Work
- ST1167080\_01 a.00 My bracelet In Work
- ST0827084 Rolled Copper Braid 16mm<sup>2</sup> Tresse Cuivre Laminée 16mm<sup>2</sup> Commercial Item

BILL OF MATERIALS					
POS	QUANT	DESIGNATION	REFERENCE	MATERIAL	EDH SCEM
01		Rolled Copper Braid 16mm <sup>2</sup> Tresse Cuivre Laminée 16mm <sup>2</sup>	ST0827084	Cu ETP C11000 (H02)	04.01.31.016.5
		MATERIAL	INITIAL STATE	FINAL STATE	
		Cu ETP C11000 (H02)			

# How to show the SCEM in a BOM?

Case: 3D without 2d in the assembly which Item refers to the SCEM

- Exceptionally allowed to add the SCEM number in your Item
- Set “make or buy” attribute to commercial component
- Type the desired SCEM



It will appear in the assembly drawing title block

BILL OF MATERIALS					
POS	QUANT	DESIGNATION	REFERENCE	MATERIAL	EDH SCEM
01	2	My piece of assembly	ST1167096	Cu ETP C11000 (H02)	04.01.31.016.5
DESIGNATION Assembly for bracelet			DESIGNED M.GARCIA CARNERO	FORMAT A4	
			CHECKED	SCALE 1:1	
			RELEASED		
			APPROVED		
EQUIPMENT CODE			DESIGNED 2019-06-26		
REFERENCES		Doc No: ST1167107_02	INDEX	LABEL	SHEET 1/1
NOT VALID FOR EXECUTION					

# Controls in big lists of documents

Attention with the % in the control search

Each control will refresh the page will request the state of all the elements

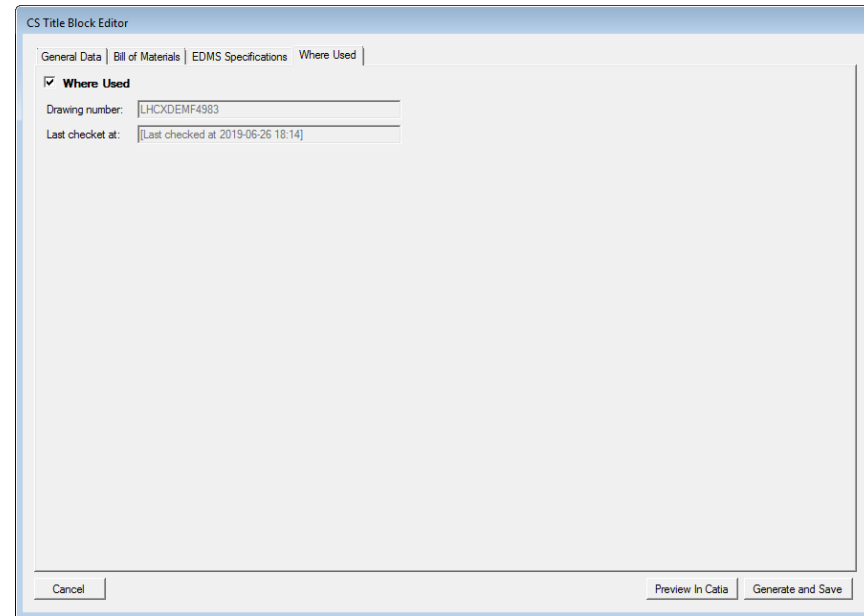
Will take much more time if you have a page with 100 elements than a page with 10

The screenshot shows a web interface titled "Execute Drawing Quality Control". At the top, there is a search bar with "DRAWING NUMBER" and "LHCXDEMF56%" entered. Below the search bar, there are two status indicators: a green checkmark for "Only one control remains" and a red square for "More than one control remain". The main content is a table with columns: "Drawing Number", "Control 1", "Control 2", and "Drawing title / Control Rule".

Drawing Number	Control 1	Control 2	Drawing title / Control Rule
LHCXDEMF5602 AA Synchronised with CAD	Execute Control 1 / Set to Checked / Set to Rejected Impact Set to Checked: Not allowed. Set to Rejected: Not allowed.	-----	P2 Two controls, not restricted <b>Execution denied:</b> Corresponding document in SmartTeam cannot transition to the desired state <b>Rejection denied:</b> Corresponding document in SmartTeam cannot transition to the desired state
LHCXDEMF5611 1st Smarteam state: Checked Synchronised with CAD	Dose	Execute Control 2 / Set to Release / Set to Rejected Impact Set to Released: CATIA Part ST1153834_01 a.00 "P2": will transition from Checked to Released CATIA Drawing ST1153834_02 a.00 (LHCXDEMF5611) "P2": will transition from Checked to Released Set to Rejected: None	P2 Two controls, not restricted
LHCXDEMF5612 1st Smarteam state: Checked Synchronised with CAD	Dose	Execute Control 2 / Set to Release / Set to Rejected Impact Set to Released: CATIA Part ST1153835_01 a.00 "P3": will transition from Checked to Released CATIA Drawing ST1153835_02 a.00 (LHCXDEMF5612) "P3": will transition from Checked to Released Set to Rejected: None	P3 Two controls, not restricted
LHCXDEMF5613 1st Smarteam state: Checked Synchronised with CAD	Dose	Execute Control 2 / Set to Release / Set to Rejected Impact Set to Released: CATIA Part ST1153836_01 a.00 "P4": will transition from Checked to Released CATIA Drawing ST1153836_02 a.00 (LHCXDEMF5613) "P4": will transition from Checked to Released Set to Rejected: None	P4 Two controls, not restricted
LHCXDEMF5614 1st Smarteam state: Checked Synchronised with CAD	Dose	Execute Control 2 / Set to Release / Set to Rejected Impact Set to Released: CATIA Drawing ST1153835_02 a.00 (LHCXDEMF5612) "P3": will transition from Checked to Released	P2 Two controls, not restricted

# Where is used in the title block

- New tab in the title block editor
- You can select or unselect it (In order to show the information in the drawing)



The screenshot shows a software window titled "CS Title Block Editor". It has four tabs: "General Data", "Bill of Materials", "EDMS Specifications", and "Where Used". The "Where Used" tab is selected and contains a checked checkbox labeled "Where Used". Below the checkbox are two input fields: "Drawing number:" with the value "LHCXDMF4983" and "Last checked at:" with the value "[Last checked at 2019-06-26 18:14]". At the bottom of the window, there are three buttons: "Cancel", "Preview In Cata", and "Generate and Save".

# Where is used in the title block

## Behaviour

Result	Printed Message
No used	Not Applicable + Date and time of the extraction
Used in one drawing	(The drawing number) + Date and time of the extraction
Used in several assemblies	Multiple* + Date and time of the extraction

\* For more information is recommended to go to the where is used page

The screenshot shows a document title block with the following content:

[SPT] ITALIAN PDF - 270 ROT - OOF - [SPT] ITALIAN PDF - 270 ROT - OOF

LHCXDEMF4964 First Version

Below the title block, there is a navigation bar with the following links: [Ident.](#) | [Design](#) | [Avail.](#) | [Control](#) | [Arch.](#) | [Appro.](#) | [Comments](#) | [External Ref.](#) | [Links](#) | [Versions](#) | [Access Rights](#) | [Where Used](#)

The 'Where Used' link is highlighted with a black box. Below the navigation bar, there is a lightning bolt icon and the text 'IDENTITY'.

# Where is used in the title block

## Examples

WHERE USED	LHCXDEMF4983	[Last checked at 2019-06-26 18:26]
WHERE USED	Multiple	[Last checked at 2019-06-26 18:29]
WHERE USED	Not Applicable	[Last checked at 2019-06-27 09:05]

BILL OF MATERIALS					
POS	QUANT	DESIGNATION	REFERENCE	MATERIAL	EDH SCEM
01	1	P3	LHCXDEMF4980		
			ST1043690		
02	1	P4	LHCXDEMF4981		
			ST1043691		
		WHERE USED	Multiple	[Last checked at 2019-06-26 18:30]	
DESIGNATION			DESIGNED	M.GARCIA CARNERO	FORMAT
Pr2			CHECKED		A0
			RELEASED		SCALE
			APPROVED		1:1
			DESIGNED		
EQUIPMENT CODE		LHCXDEM <sup>F</sup> CODE FOR TESTS - 2 CTRL NOT RESTRICTED - NEW LC	2019-06-26		
	REFERENCES	Doc No: ST1043692_02	INDEX	LABEL	QAC
	LHCXDEMF4982			NOT VALID FOR EXECUTION	-
					SHEET
					1/1

MATERIAL	INITIAL STATE	FINAL STATE
Steel		
ISO GPS STANDARDS		
ISO 2768-f		ISO 13715
Unless otherwise mentioned, applicable ISO GPS standards are those prior to 2010-08-01 regardless of the drawing date		
MASS	197 g	WHERE USED
		LHCXDEMF4982
		[Last checked at 2019-06-26 18:32]
DESIGNATION		DESIGNED
P3		M.GARCIA CARNERO
		FORMAT
		A0
		SCALE
		1:1
EQUIPMENT CODE		LHCXDEM <sup>F</sup> CODE FOR TESTS - 2 CTRL NOT RESTRICTED - NEW LC
		DESIGNED
		2019-06-26
	REFERENCES	Doc No: ST1043690_02
	LHCXDEMF4980	INDEX
		LABEL
		NOT VALID FOR EXECUTION
		QAC
		-
		SHEET
		1/1

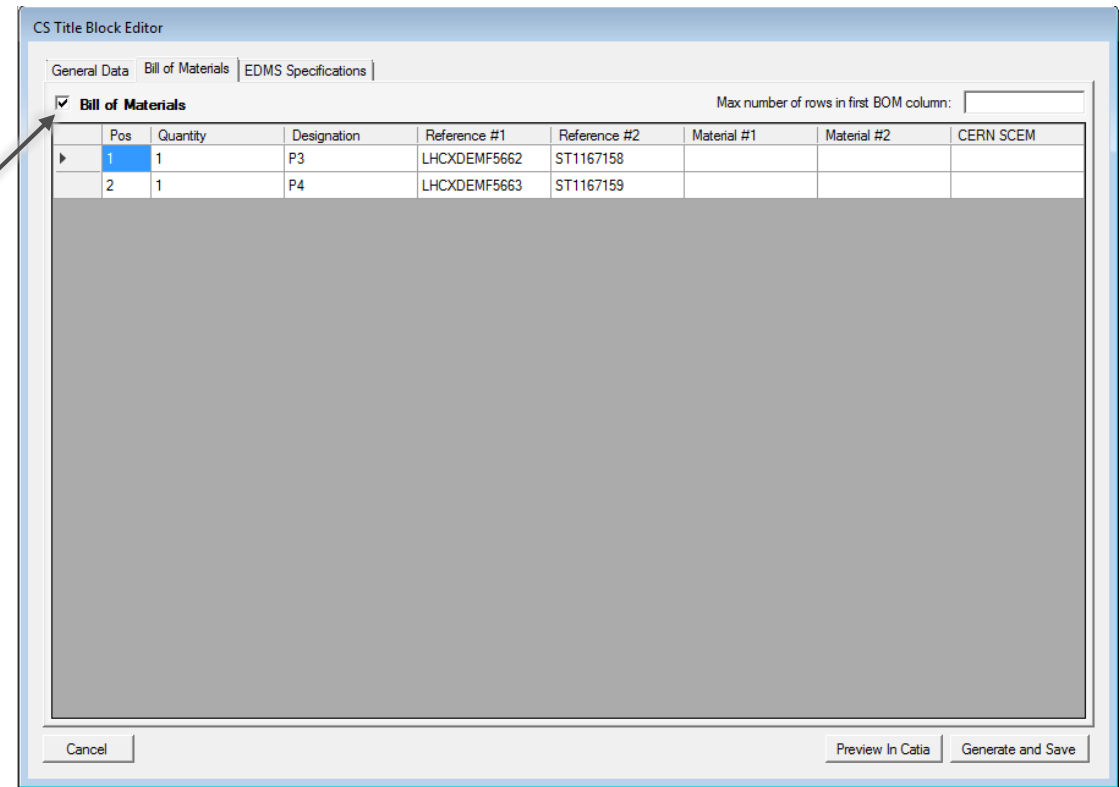


# “Multi sheet” how to hide the BOM list in the second sheet?

Since is sharing the same Item structure the title block editor will print the BOM list also in the secondary sheet

Solution:

Untick the “Bill of Materials” box



# Stickers “confuse” the sheet numbering

Use the option “explode” instead “expose”

Traitement thermique: 1h a 1070°C sous vide puis refroidissement naturel rapide.  
Heat treatment: 1070°C during 1h under vacuum, fast natural cool-down

DESIGNATION	Pr2		DESIGNED	V. GARCIA CARNERO	FORMAT	A0	
DRAWING DEFINITION	Pr2 - Second sheet		CHECKED		SCALE	1:1	
			RELEASED		DESIGNED	2019-06-26	
			APPROVED				
EQUIPMENT CODE	LHCXDEMF CODE FOR TESTS - 2 CTRL NOT RESTRICTED - NEW LG						
REFERENCES	Doc No: ST1167160_03	INDEX	LABEL	NOT VALID FOR EXECUTION		QAC	SHEET
	LHCXDEMF5666					-	1/2

Traitement thermique: 1h a 1070°C sous vide puis refroidissement naturel rapide.  
Heat treatment: 1070°C during 1h under vacuum, fast natural cool-down

DESIGNATION	Pr2		DESIGNED	V. GARCIA CARNERO	FORMAT	A0	
DRAWING DEFINITION	Pr2 - Second sheet		CHECKED		SCALE	1:1	
			RELEASED		DESIGNED	2019-06-26	
			APPROVED				
EQUIPMENT CODE	LHCXDEMF CODE FOR TESTS - 2 CTRL NOT RESTRICTED - NEW LG						
REFERENCES	Doc No: ST1167160_03	INDEX	LABEL	NOT VALID FOR EXECUTION		QAC	SHEET
	LHCXDEMF5666					-	1/1

# Thank you!

## Other presentations here:

[https://cad-support.web.cern.ch/faq/Pages/default.aspx#\(CATIAForumCATIATipsTricks\)](https://cad-support.web.cern.ch/faq/Pages/default.aspx#(CATIAForumCATIATipsTricks))