



Graphite and Inermet Assets on EDMS

WP5.2 Meeting
December 16th , 2024

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Graphite EDMS Structure

- EDMS folder for each of the 60 blocks and taperings
- <https://edms.cern.ch/project/CERN-0000249793>

3019663 v.1 In Work Restricted access
S01-1 by CARLOTTA ACCETTURA

Info

Description:

Details

Local administrators: List of Administrators
Context: HL-LHC-WP
Associated Links: High Luminosity LHC Workpackages Context

This page <https://edms.cern.ch/document/3019663/1>

Files

Add | Delete | Download all

Name
No files

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More info

Sub-Documents | Used In | Approval & Comments | Access rights | Versions | History

Create subdocument | Attach document | Detach | Export to Excel | Request access | Add all to Caddie | Edit

#	Id	Title	Files
10	3019664 v.1	Visual Inspection and Density	@ 6
20	3019665 v.1	Metrology	
30	3129353 v.1	Cleaning	
40	3129354 v.1	Firing	
50	3129355 v.1	UHV Test	
60	3129356 v.1	Cu-Coating	
80	3129359 v.1	UHV Test post-coating	
90	3152822 v.1	Visual Inspection Post UHV-Test	

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Sub-Documents | Used In | Approval & Comments | Access rights | Versions | History

Create subdocument | Attach document | Detach | Export to Excel | Request access

#	Id	Title
10	3020927 v.1	Visual Inspection
20	3190431 v.1	UHV-Test
30	3190432 v.1	Cu-Coating
40	3190433 v.1	UHV-Test post coating
50	3200141 v.1	Metrology

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Graphite Assets

- Manufacturing records: <https://edms.cern.ch/project/CERN-0000248426>
- EDMS folders of each block and tapering attached to the Asset under “Final Acceptance”

> [3016024 v.1](#) Material certificate

> [3016036 v.1](#) US Test

> [3016022 v.1](#) Blocks

> [3019663 v.1](#) S01-1

Options : Add extra step

Workflow Diagram

No workflow diagram is defined for this equipment

Workflow Steps							Last Repeated	
Step ID	R/E	Other name	Description	Status	Result	INC		
10			Material certificate(s) - Contractor	Pending				
20			Metrological control(s) - Contractor	Pending				
30			Delivery to CERN	Pending				
40			Visual inspection - Conductivity and density control(s) - CERN	Pending				
50			Metrological control(s) - CERN	Pending				
60			Vacuum firing - CERN	Pending				
70			Vacuum acceptance test - CERN	Pending				
80			Final Acceptance - CERN	Pending				

Inernet EDMS Structure

- Different approach than Graphite due to big amount of Inernet blocks
- All validation documentation (<https://edms.cern.ch/document/3062715/1>) attached to assets

Sub-Documents		Used In	Approval & Comments	Access rights	Versions	History
Create subdocument	Attach document	Detach	Export to Excel	Request access	Add all to Caddie	Edit Tags
# ...	Id		Title	Files	Status	
<input type="checkbox"/> 10	3062716 v.1	★	Visual Inspection - Pictures	6	In Work	
<input type="checkbox"/> 20	3062721 v.1	★	Electrical conductivity and Density measurements	1	In Work	
<input type="checkbox"/> 30	3063565 v.1	★	TCLPX EXTREMITY and CENTRAL BLOCK	57	In Work	
<input type="checkbox"/> 40	3082515 v.1	★	Vacuum acceptance test of tungsten blocks for the HL-LHC ...		In Work	
<input type="checkbox"/> 50	3092685 v.1	★	J3092860, J3096913 - Dimensional Inspection of Inernet18...	326	In Work	
<input type="checkbox"/> 60	3094661 v.1	★	Characterization campaign on Inernet	2	In Work	

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Inernet Assets

Manufacturing Records: TCLPX & TCTPXV/TCTPXH/TCLP/TCTPM
<https://edms.cern.ch/project/CERN-0000248425>

> [3056432 v.1](#)

Batch 1 Metrology Reports and Material Certificates

Main Made of Equipment data **Manufacturing** Operation Documents History Map

Actions : **Add extra step**

Workflow Diagram
No workflow diagram is defined for this equipment

Workflow Steps

Step ID	R/E	Other name	Description	Status	Last Repeated Result	NC
10		()	Material certificate(s) - Contractor	Pending		
20		()	Metrological control(s) - Contractor	Pending		
30		()	Delivery to CERN	Pending		
40		()	Visual inspection - Conductivity and density control(s) - CERN	Pending		
50		()	Metrological control(s) - CERN	Pending		
60		()	Vacuum firing - CERN	Pending		
70		()	Vacuum Acceptance Test - CERN	Pending		
80		()	Final Acceptance - CERN	Pending		

> [3062715 v.1](#)

Inernet180 for LS3 collimators - CERN tests



Thank you!