



## Status of documentation of HO correctors

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# Outline

- Which magnets are today in MTF
- What is the situation for the drawings - are they in CDD?
- What is the situation for the Quality Production Documents (MIP, Procedures...)?

# Which magnets are in MTF (1/2)

- 8Pole => All data in (LASA)
- 10Pole => All data in (LASA)
- 12Pole => Data upload in progress (SRV)
- 4Pole => Data will be uploaded (SRV)

The screenshot displays the MTF (Magnet Test Facility) Equipment Management Folder interface. On the left, an 'Assembly Tree' lists various magnet components, with 'HCMCOXFP00-I1000001 - Single Aperture (150 mm) Octupole (b4)' highlighted. The main area, titled 'Equipment Folder : Main Info', provides detailed information for this specific magnet. It includes the 'Equipment Identifier: HCMCOXFP00-I1000001', 'Other Identifier: MCOXFP1', and 'Description: Single Aperture (150 mm) Octupole (b4) MCOXF Prototype'. Below this, a table lists physical and operational data, including manufacturer (INFN LASA Milan), status (Manufacturing), and location (MRC M01). The 'Safety' section shows 'RP Classification'. The 'Design' section includes 'Item in ABS' with a link to 'Single Aperture (150 mm) Octupole (b4) MCOXF Prototype (ver.0)'. The 'Audit' section shows creation and modification dates and by whom. The 'EDMS owner' is listed as HGACIAG and the 'EDMS group' as AMUSSO HL-LHC-WP3-ORBIT-CORRECTORS-MTF.

Physical			
Manufacturer	INFN LASA Milan		
Resp. Technique	MUSSO ANDREA 70762 163281		
Status	Manufacturing		
Other Identifier	MCOXFP1		
Parent Equipment			
Parent Slot			
Location			
State	Good	MRC	M01

Safety			
RP Classification			

Design			
Item in ABS	<a href="#">Single Aperture (150 mm) Octupole (b4) MCOXF Prototype (ver.0)</a>		

Audit			
Created on	2015-09-29	by	HGACIAG
Last modified on	2017-09-06	by	AMUSSO
EDMS owner	HGACIAG	EDMS group	HL-LHC-WP3-ORBIT-CORRECTORS-MTF

[Link to 8Pole](#)

[Link to 10Pole](#)

[Link to 12Pole](#)

## Which magnets are in MTF (2/2)

### Exception:

Some data about the prototype **6Pole** are missing and will not be recovered; this was the very first design (i.e. obsolete today)

## Are the data systematically uploaded, and in which stage

Together with CERN help all the data are uploaded - at latest - before the magnet is shipped

Remark: transition phase – now prototypes are manufactured in industry => a little more difficult to have feedback

# What is the situation for the drawings - are they in CDD?

All the drawings related to:

- 6Pole
- 8Pole
- 10Pole

Are in CDD



4Pole and 12Pole will follow...

# What is the situation for the Quality Production Documents (MIP, Procedures...)?

## MIP's

- 6Pole, 8Pole and 10Pole prototypes: they were not filled
- 12Pole and 4Pole prototypes: they are available and are being filled by the manufacturer
- All the typology of magnets are now ready and will be filled during series production

## Procedures

- Related to 4Pole and 12Pole they are available (in Italian language)
  - All procedure in English will be available for the series production

# Personal remark...

All this work would not have been possible without the help of  
**Hi-Lumi Quality Team**

Their unconditional support was a key point since the very beginning, with practical help, suggestions and database knowledge transfer to external collaboration and industry

.....this will continue of course...

## Grazie!

# Thank you...



"Please put that confusing mess of documents, files and folders where it belongs....in your computer."