

# HL-LHC WP3 Documentation MCBXF Correctors

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## Which magnets are today in MTF, and which data?

MTF structures for MCBXFA & MCBXFB orbit correctors have been generated.

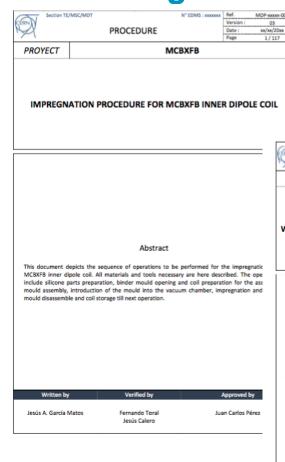






# Is the collaboration systematically loading data, and in which stage?

Almost no data has been uploaded to MTF. The priority was given to fabrication drawings production and first prototype fabrication. Most of the MOP exist and are being corrected to get a final version to be uploaded to EDMS. From July on, all existing data generated during the first MCBXFB magnet fabrication will be uploaded on MTF and FDMS









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

The equipment codes have been generated and CIEMAT has been informed on the required drawing layout to include CERN stamp. The full batch of MCBXFB drawings will be uploaded on their final fabrication version. We expect to have all drawings in CDD by end of summer.

	Dipole Orbit Corrector Q2	MAGNET						HCMCBXFB001		1			
IVICDAFD	Corrector Q2	MAGNET	Yoke-Stacks					HCMCBXFB002		Batch	-		
+			End-Plates			+ +		HCMCBXFB003	1	Batch	-		
			Life-Fields					TICHICDAI DOGS		Suten	-		
MCBXFBC			Inner Collared Coil					HCMCBXFBC001		1			
MCBXFBC				Inner Coil				HCMCBXFBC002		1			
MCBXF_C					Cable			HCMCBXF_C001		Batch	L		
MCBXF_C MCBXF_C					Inner Wedges Inner End spacers	+		HCMCBXF_C002 HCMCBXF_C003		Batch Batch	ŀ		
MCBXF_C					Inner Quench Heaters			HCMCBXFEC009		Batch	-		
MCBXFBC					Fiber Glass Insulation			HCMCBXF_C010		Batch	-		
MCBXFBC					Interlayer Insulation			HCMCBXF_C011		Batch			
MCBXF_C				Inner Collaring Shoe				HCMCBXFBC004		Batch		^	
MCBXF_C				Inner Coil collars				HCMCBXF_C004		Batch	Nor	mbre	Fecha de modifie
MCBXF_C MCBXFBC				Inner Collaring rods Inner Ground Insulation				HCMCBXF_C005 HCMCBXFBC003		Batch Batch	_		
WICEAFEC				inner Ground Insulation				HCIVICBAFBC003		Batch	- 🛅	1601-01 iman	31/05/2018 18:43
MCBXFBC			Outer Collared Coil					HCMCBXFBC005		1		1605-12 mandrino bobinado DI	02/02/2018 13:34
MCBXFBC				Outer Coil				HCMCBXFBC006		1			
MCBXF_C					Cable			HCMCBXF_C001		Batch		1605-13 madrino bobinado DE	12/03/2018 15:42
MCBXF_C					Inner Wedges	+		HCMCBXF_C006		Batch	- 8	1605-14 utillaje bobinado DI	13/02/2018 12:50
MCBXF_C MCBXFBC					Inner End spacers Inner Quench Heaters			HCMCBXF_C007 HCMCBXFBC010		Batch Batch	-	1605-15 utillaje bobinado DE	05/03/2018 18:41
MCBXFBC					Fiber Glass Insulation			HCMCBXF_C010		Batch			
MCBXFBC					Interlayer Insulation			HCMCBXF_C011		Batch		1605-16 molde binder DI	20/02/2018 13:33
MCBXF_C				Inner Collaring Shoe				HCMCBXFBC008		Batch		1605-17 molde binder DE	23/05/2018 19:32
MCBXF_C				Inner Coil collars				HCMCBXF_C008		Batch	-		
MCBXF_C				Inner Collaring rods				HCMCBXF_C009		Batch		1605-18 molde impregnacion DI	09/05/2018 13:50
See the tab	Assets Breakdown	to see the nur	mber of assets of eac	Inner Ground Insulation h item				HCMCBXFBC007		Batch		1605-19 molde impregnacion DE	09/05/2018 16:10
									C UNEUTIVE			1605-21 mesa montaje molde impregnacion	01/03/2018 10:34
												1605-22 utillaje doblado kapton iman	15/03/2018 7:19
									Este equipo			1605-23 moldes silicona DI	09/05/2018 15:58
									Descargas	;		1605-24 mandrinos para espaciadores	21/02/2018 17:47
									Documen	tos		1605-25 soporte carrete cable capa superior	06/02/2018 17:07
									Escritorio		_	1605-26 utillaje collaring DI	18/04/2018 12:22
									Imágenes			7	11/03/2018 19:27
									The same of the sa		_	1605-30 utillaje doblado collaring shoe iman	
									Música			1605-31 estañado cables	20/01/2018 21:06
									Objetos 3	D		1605-32 util soporte control dimensional bobina	07/02/2018 12:38





### Did we have already NC and were they circulated?

We have a geometric non conformity on the first MCBXFB coil produced. The coil will not be used on the first magnet assembly. No NCR has been created yet.





### **Conclusions**

- Which magnets are today in MTF, and which data?
   The MTF structure has been created for MCBXFA & MCBXFB orbit correctors. NO data has been upload yet.
- Is the collaboration systematically loading data, and in which stage?
   Not yet
- What is the situation for the drawings are they in CDD?
  Equipment codes have been generated and around 750 drawings are ready. By end of summer, around 950 drawings will be uploaded to CDD.
- Did we have already NC and were they circulated?

We have a non conformity on the first MCBXFB coil still to be documented and circulated.





# Thank you



