HL-LHC
WP3 Meeting Documentation D2

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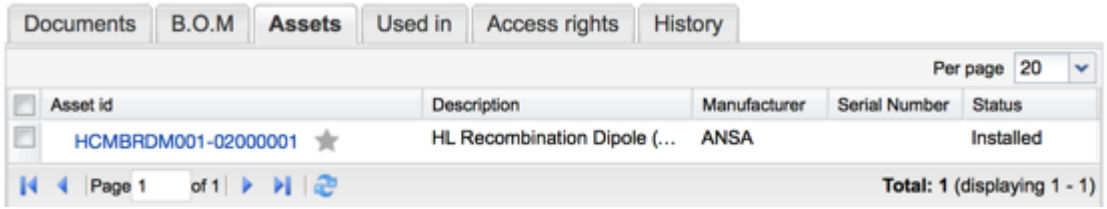
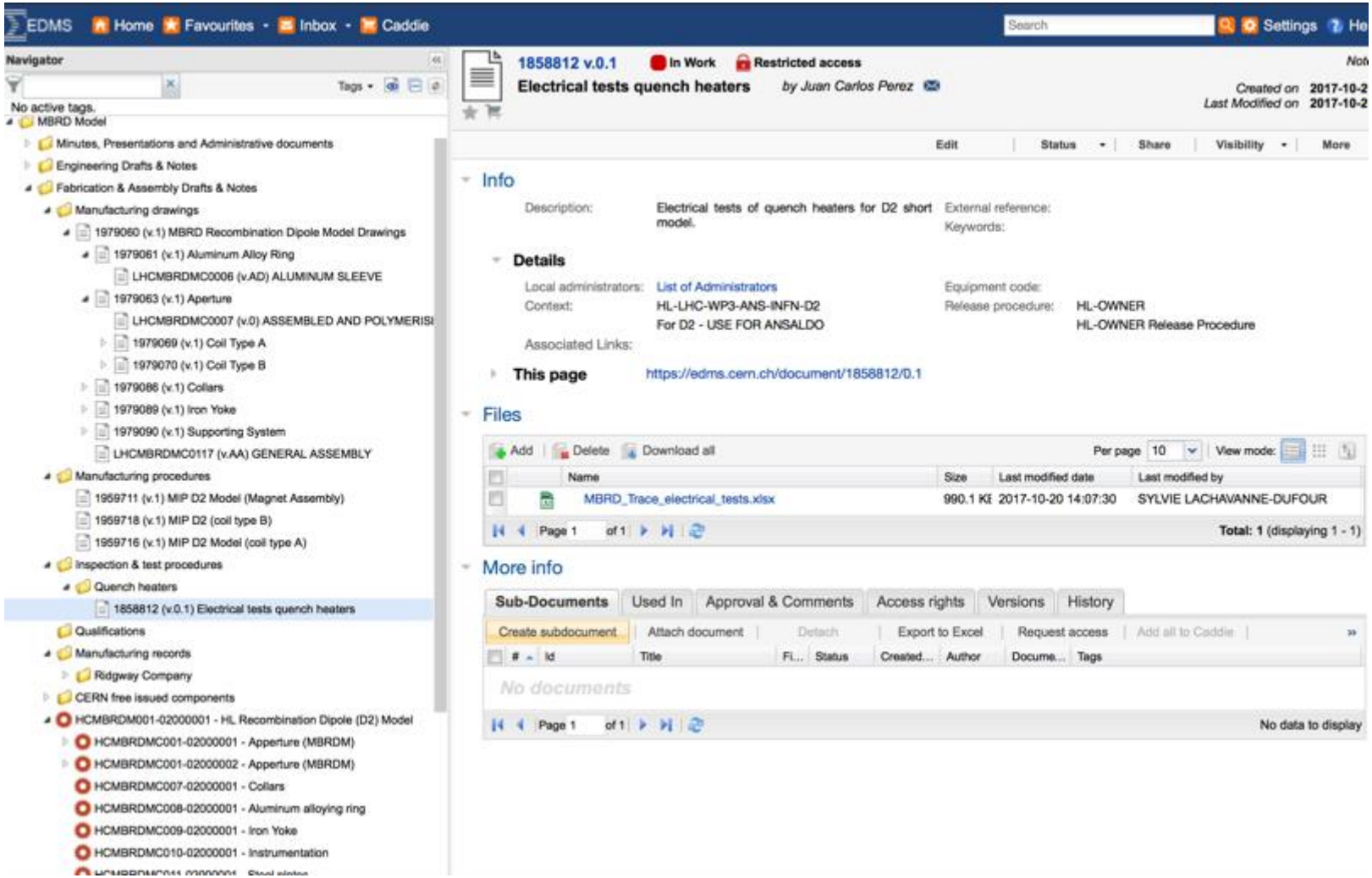
- Which magnets will never be in MTF according to your plans
- Are the collaboration systematically loading data, and in which stage
- What is the situation for the drawings - are they in CDD?
- Did we have already NC and were they circulated?

Which magnets (short model, prototype etc) are today in MTF, and which data



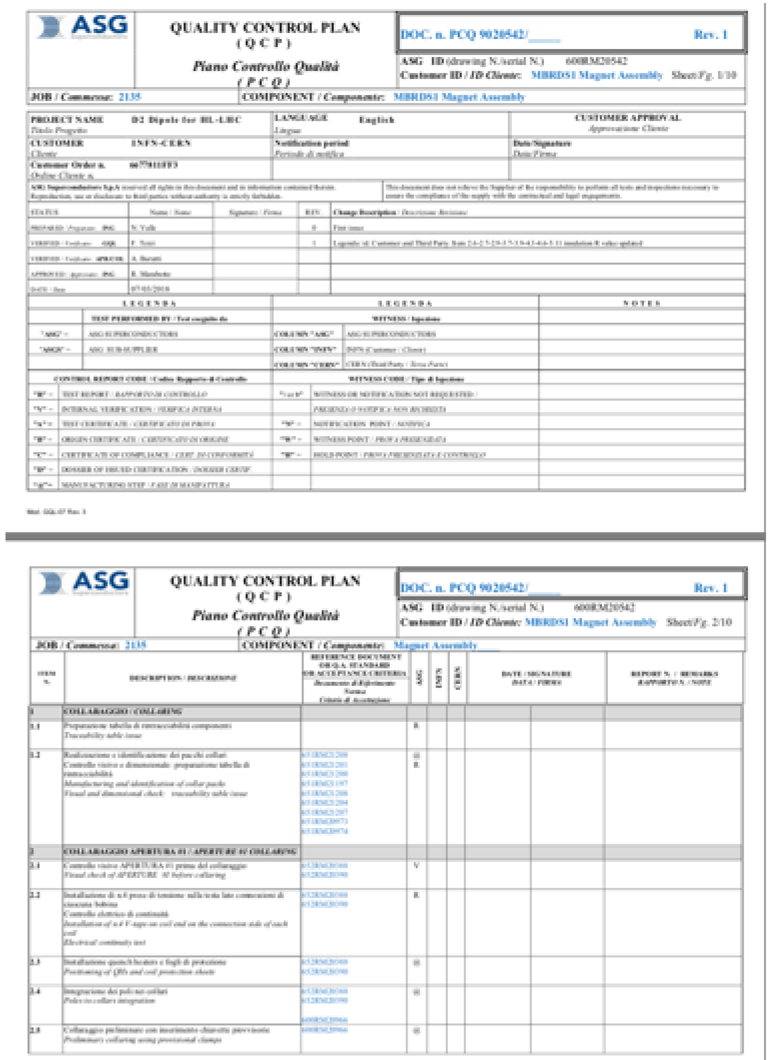
All manufacture drawings are uploaded on EDMS/CDD as main production data for coil #01 in *D2 MTF* , coil #02 as soon as available

EDMS D2 short model structure



MIP coils type A-B

- https://edms.cern.ch/document/1959718/1


ASG

QUALITY CONTROL PLAN
(Q C P)
Piano Controllo Qualità
(P C Q)

DOC. n. PCQ 9020542/____ Rev. 1

ASG ID (drawing N./serial N.)

Customer ID / ID Cliente: MBRDS1 Magnet Assembly Sheet/Fg. 1/10

JOB / Commessa: 2135

COMPONENT / Componente: MBRDS1 Magnet Assembly

PROJECT NAME D2 Dipole for HL-LHC

LANGUAGE English

CUSTOMER APPROVAL

CUSTOMER INFN-CERN

Notification period

Date/Signature

Customer Order n.

LEGENDA

LEGENDA

NOTES

ASG

QUALITY CONTROL PLAN
(Q C P)
Piano Controllo Qualità
(P C Q)

DOC. n. PCQ 9020542/____ Rev. 1

ASG ID (drawing N./serial N.)

Customer ID / ID Cliente: MBRDS1 Magnet Assembly Sheet/Fg. 2/10

JOB / Commessa: 2135

COMPONENT / Componente: Magnet Assembly

Which magnets will never be in MTF according to your plans

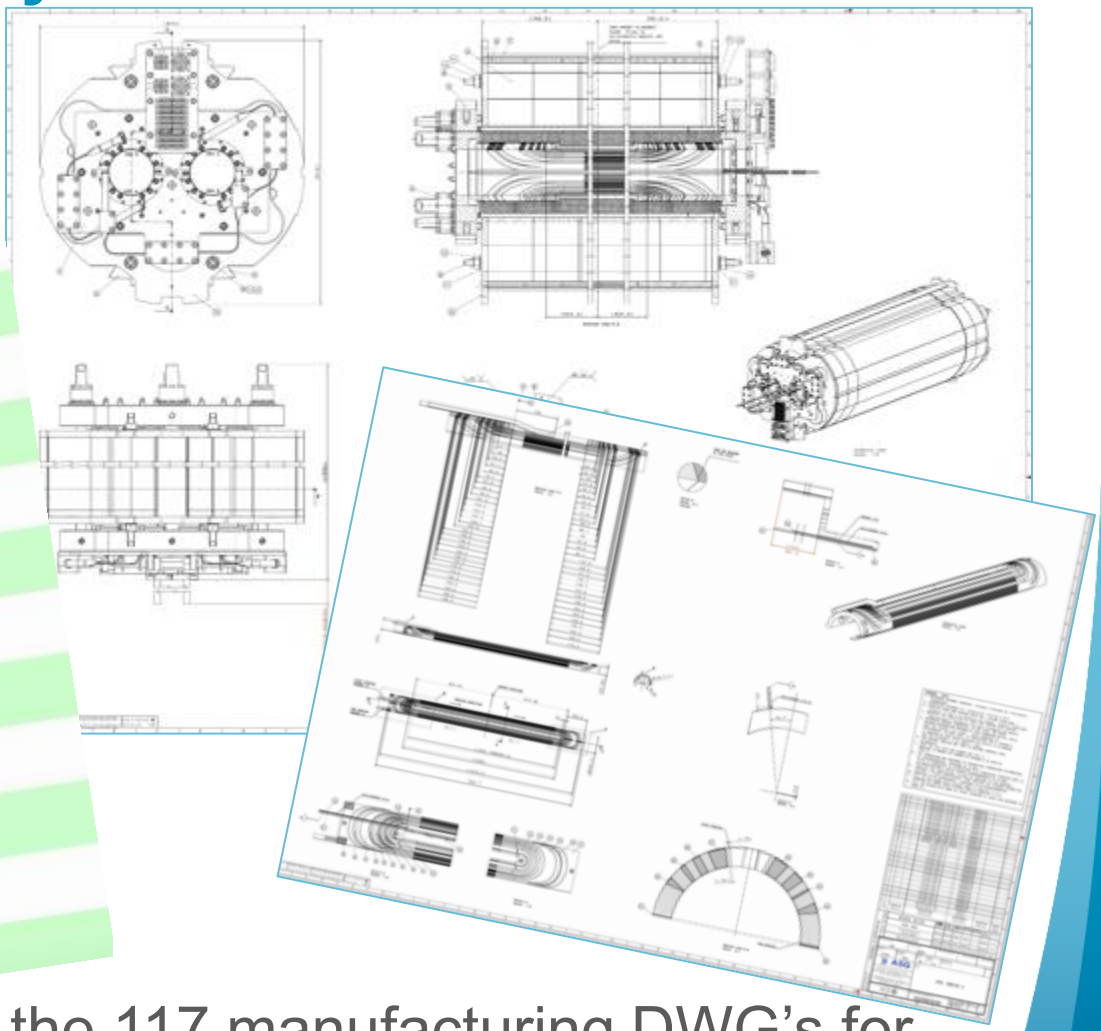
All D2 magnets will be in MTF

Are the collaboration systematically loading data, and in which stage

At moment, in Short model contract, ASG contractor feed production files on INFN server.
Together with CERN help, all the data, procedures are uploaded in *D2 MTF* by INFN.
In future, for **prototype, series contract,** contractors should be able to upload on CERN MTF server on behalf of INFN.
(To be discussed if different approach)

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

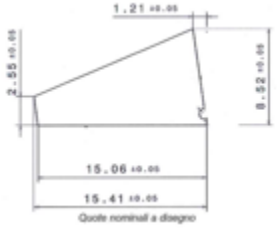
						HALF YOKE ASM
LHCMBRDMC0104	AA	none	A0	IM	-	ext. ref: 671RM21437 HALF YOKE HEAD
LHCMBRDMC0105	AB	none	A0	IM	-	ext. ref: 670RM21465 PLATE HEAD YOKE
LHCMBRDMC0106	AA	none	A0	IM	-	ext. ref: 671RM21576 YOKE PLATE
LHCMBRDMC0107	AB	none	A3	IM	-	ext. ref: 600RM21574 C-CLAMP
LHCMBRDMC0108	AC	none	A3	IM	-	ext. ref: 670RM21461 M16 TIE ROD
LHCMBRDMC0109	AA	none	A3	IM	-	ext. ref: 670RM21462 M24 TIE ROD
LHCMBRDMC0110	AA	none	A3	IM	-	ext. ref: 670RM21463 M33 TIE ROD
LHCMBRDMC0111	AB	none	A0	IM	-	ext. ref: 660RM21467 COIL PLATE LC
LHCMBRDMC0112	AA	none	A2	IM	-	ext. ref: 660RM21621 MEZZELUNE L.C
LHCMBRDMC0113	AA	none	A2	IM	-	ext. ref: 660RM21622 MEZZELUNE L. O.C
LHCMBRDMC0114	1st	none	A3	IM	-	ext. ref: 600RM21623 GRANO M16 L50
LHCMBRDMC0115	1st	none	A3	IM	-	ext. ref: 600RM21624 GRANO M12 L40
LHCMBRDMC0116	1st	none	A3	IM	-	ext. ref: 600RM21625 GRANO M12 L30
LHCMBRDMC0117	AA	none	A0	IM	-	ext. ref: 600RM20542 GENERAL ASSEMBLY

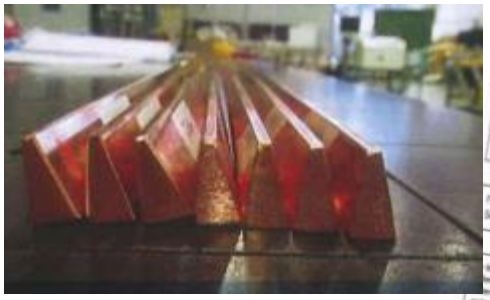


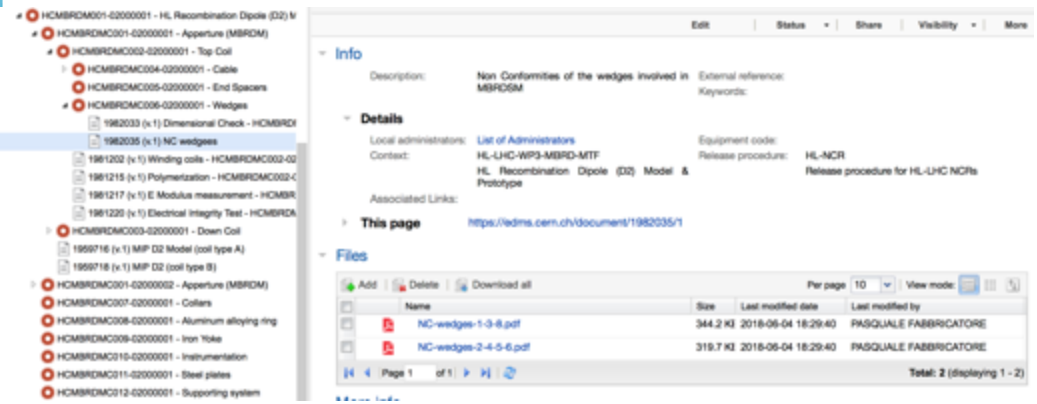
All the 117 manufacturing DWG's for components, coils, magnet are in CDD

Did we have already NC and were they circulated?

A single minor NCR so far on Copper wedge components







https://edms.cern.ch/

Conclusions

- Which magnets (short model, prototype etc) are today in MTF, and which data => **ALL**
- Which magnets will never be in MTF => **NONE**
- Are the collaboration systematically loading SM data, and in which stage => **YES, during manufacturing by INFN**
- What is the situation for the drawings - are they in CDD? => **YES (short model)**
- Did we have already NC and were they circulated? => **YES**

Thank you…

Better sooner than …..

"You call it clutter. I call it free-range paperwork."

….Later

"I'm afraid it's too late to clean up my desk without disturbing the delicate ecosystem."