

Controls' Aspects for LHC Hardware Commissioning:**Power Converters*****Minutes of Meeting on 30th July, 2003***

Participants: Quentin King, Axel Daneels, Hugues Thiesen, Pierre Charrue, Robin Lauckner

Commissioning Phases**1. 1 April 2004 – 30 June 2004:**

Individual reception tests of FGC together with Voltage Source + DCCT on test bench in Bd 866-1-C16.

A first batch of 200 FGC should be delivered by Easter 2004 (12/04/2004), followed by 1600 more FGC in batches of 200 at the rate of one batch every 6 weeks. Test takes ~ 4 weeks / batch.

Requests:

- LabVIEW
- timing (at least the Controls Timing Generator card CTG)
- DB (calibration)
- 8 Gateways systems
- 8 WorldFIP

Note: no piquet service requested outside working hours for this test bench

2. 1 July – 30 Sept 2004:

Integration Tests in Bd. 377 & 287

3. 1 Oct 2004- 28 Feb 2005:

Installation & Test in situ.

Requests:

- Gateways installed
- WorldFIP installed
- ...

4. 1 March 2005:

HW Commissioning.

Requests:

- RT
- Alarms
- Logging
- Post-Mortem
- Interlocks
- Application SW (Hatziangeli)
- Etc.

Major Milestone for AB/CO:

1. Choice of Gateway Hardware end Sept 2003 – Marc VDE
2. Reference Gateway and Reference CTG in CO lab, end Jan 2004 – Wolfgang Heinz
3. 8 Gateway Systems, LHC timing signals to PO, end Mar 2004 – Wolfgang Heinz

4. Specification of Post Mortem Interface to PO, end June 2004 – Robin Lauckner
5. Installation of PO Gateways for sector 7 – 8, Sept – Oct, 2004 – Pierre Charrue
6. Start of Timing, Gateway and WFIP operation sector 7 – 8, January 2005 – Pierre Charrue
7. Machine Interlocks connected to PO, March 2005 – Bruno Puccio

Other items

- Integration of PO equipment into Control System Configuration database – Ronny Billen
- Availability in Control System of PO calibration data from Burn-In tests – Ronny Billen
- Define RT project – Robin Lauckner

P.Charrue's comment:

Could AB/PO express their needs for AB/CO support and piquet service during their tests in Bd.866 and 377 as well as for the in-situ installation and tests?