

Subject: Agenda Proc. Read. Rev. HCAL_PRR/2 (readout boxes)

Date: Mon, 26 Feb 2001 17:55:48 +0100 (MET)

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Sent to Groups: CMS (1978 people with e-mail)
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PROCUREMENT READINESS REVIEW HCAL_PRR/2

HCAL readout boxes
Thursday 1st March and Friday 2nd March 2001 at CERN
room 40-5-A01

Agenda: (subject to minor changes)

1 March 2001, 40-5-A01
(video available from 15:30)

1. 09:00 PRR Introduction, Charge to Committee.
Austin Ball 10
2. 09:15 HCAL project perspective. Dan Green 15
3. 09:30 Overview of HB/HE/HO readout chain & calibration
Jim Freeman 30
3. 10:00 Overview of HB RBX Randy Ruchti 60
- 11:00 Tea/Coffee
4. 11:15 Overview of HE RBX & similarities to HB
Randy Ruchti 15
5. 11:30 Overview of HO RBX & similarities to HB
Randy Ruchti 15
6. 11:45 Services and access scenario Randy Ruchti 60
- 12:45 Discussion/Questions
- 13:00 Lunch
7. 14:00 Cooling (HB/HE/HO) Dan K 45
8. 14:45 Magnetic Field environment Dan K 30
- 15:15 Tea/Coffee
9. 15:30 Electrical system and radiation tolerance

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|---------------------------------------|------------|----|
| | Terri Shaw | 90 |
| 10 17:00 Controls/Monitoring/Fieldbus | John Elias | 30 |
| 17:30 Discussion/Questions | | |
| 18:00 End of Session | | |

2 March 2001, 40-5-A01
(video available from 15:30)

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|---|-----------------|----|
| 11. 09:00 LV/HV and grounding of HB/HE/HO | | |
| | Claudio Rivetta | 60 |
| 12. 10:00 Safety (lasers/LV/HV) | John Elias | 60 |
| 11:00 Tea/Coffee | | |
| 16. 12:00 Organization and Schedule | Randy Ruchti | 60 |
| 17. 13:00 Lunch | | |
| 20. 14:00 Committee closed session | | |
| 21 16:00 Close-out | | |
| 22 17:00 End of PRR | | |

Electronic & Electrical System Reviews are part of the Guidelines for the management of the CMS experiment. A Production Readiness Review may be held prior to an EDR, to authorize significant pre-production or pre-procurement, or where parts of the system are well understood and factorize from the overall design.

Such parts can, for schedule reasons, be considered for approval to proceed, without risk to the completion of the complete design needed for the EDR.

Scope and Goal of HCAL_PRR/2

The scope and goal of HCAL_PRR/2 are:

Scope:

- 1) Review the electronic, electrical, optical and cooling system designs of the HCAL to verify that the design is sound, is likely to meet the performance constraints and is compatible with CMS as a whole, the operating environment, and in particular all interfacing systems.
- 2) Review the HB/HE RBX design in detail paying particular attention to interfaces with the overall HCAL system, and to integration, reliability and maintenance concerns.

Goal:

- 1) Approve the RBX design of the barrel and endcap for manufacture.
- 2) Approve the conceptual design of the HO RBX.

Review Committee:

Chair: Austin Ball

Link Person: Jim Freeman

(in charge of the organization, of the timely distribution of documents, and of collecting and distributing the proceedings).

Members of CMS:

- * P. Cannarsa, CMS Quality Assurance, ETHZ
- * Gerard Faber, CMS Integration
- * Wolfgang Funk, CMS Detector Control System
- * Robert Hammarstrom, Tracker Electronics Engineer
- * Ron Pintus, CMS Services (to be confirmed)
- * Hans Postema, Tracker project engineer
- * Reiner Schmidt, CMS GLIMOS, CERN
- * Peter Sharp, CMS Electronics Systems Coordinator.
- * Mika Huhtinen, CMS Radiation Computation
- * Alberto Benvenuti, Muon Barrel deputy Project Manager

Non members of CMS :

- * Fritz Sconco, TIS link to experiments
- * Beniamino Girolamo, ATLAS tilecal & DAQ

Documentation:

Documents, in particular documents related to parts for which a definitive approval is sought, will be distributed to the Review Committee approximately one week in advance.

As usual a web site will be set up to collect supporting documents and act as an archive. Copies of transparencies will be collected and distributed as a CMS report, through the CMS Secretariat, by the LPPRR.

Report:

The outcome of the PRR will be summarized in a report written by the reviewers and signed by the DTC/ESC. This report will be distributed to members of the Steering Committee (SC), Management Board (MB), Collaboration Board (CB), and CMS LHCC Referees.

The report will summarize the findings of the PRR and in particular it will stress what topics have to be revisited, by whom and within what time span, before the approvals sought in the goal are given.

Attendance:

The PRR is open to all CMS Collaborators and CMS Referees on

simple request by email to the linkperson. If the request for attendance exceeds the capacity of the available room, then invitees will be selected by the CMS Electronic Systems Coordinator or Deputy Technical Coordinator in consultation with the HCAL Project Managers.