

Technical Meeting COMPASS DCS / EN-ICE

Date: 30th March 2010 from 16:00 to 17:45

Place: Building 892, 1-B09

This meeting was attended by:

Paula Bordalo (COMPASS DCS) (PB)

Brice Copy (EN ICE) (BC)

Mathias Dutour (EN ICE) (MD)

Piotr Golonka (EN ICE) (PG)

Ana Sofia Nunes (COMPASS DCS) (ASN)

Christophe Pires (COMPASS DCS) (CP)

Content:

General news:

MD indicated that he is leaving CERN and introduced Brice Copy as the new EN-ICE contact person for COMPASS.

MD mentioned that Lionel Wallet left CERN and Mateusz Lechman is the new Iseg expert at CERN.

ASN indicated that the COMPASS equipment will be switched on May 3rd and the Physics data taking will start on May 10th. ASN will return to CERN on April 1st.

PVSS / General:

PG announced that PVSS 3.9 will not be adopted at CERN and PVSS 3.10 should be released at the end of the year. Currently there are still a few projects running PVSS 3.6 SP2 at CERN, but the majority of the control systems is running PVSS 3.8 SP1. After 3.10, PVSS 3.11 will follow at end of 2011, yet its scope is still unknown. It is not yet determined which of the versions will be the next recommended PVSS version at CERN - depends on actual schedules of PVSS and the LHC, and the needs of experiments. Next major release of PVSS, 4.0, is planned for end of 2012 or 2013. Again, its adoption at CERN depends on the evolution of the schedules for PVSS 4.0 and the machine.

PG announced that the sticky bit issue has been solved and that a new PVSS patch would be available at mid April.

ASN alerted that, recently, several and regular alerts related to RDB manager (losses of communication) have been seen in the COMPASS DCS production project.

Action COMPASS: Open a remedy case.

EDIT: The problem didn't appear again.

PG explained that the RDB API (mapping tool) will not be available soon.

Action COMPASS: Schedule a meeting with PG to discuss the best way to deal with this issue.

Wiener:

MD announced that the Wiener VME 5021 shipped to Wiener (Germany) should be back at COMPASS the 6th of April. The bug observed at COMPASS was reproduced and fixed. As requested by COMPASS, the equipment will be returned with the original EPROM. Wiener will also provide an EPROM with the new firmware. The EPROM can be easily replicated at CERN.

ASN asked when COMPASS should test the new EPROM. MD indicated that one short check can be done whenever COMPASS wants, but a long test will be needed.

Action COMPASS: Do a long test after the end of 2010 Run.

MD explained that it wasn't possible to upgrade the power supplies of type UEP 6021 used at COMPASS. Related to this upgrade, MD contacted Mr. Vogt (Wiener representative in Geneva). Mr. Vogt informed MD that these two UEP 6021 are intermediate versions and he will need the power supplies to upgrade them. As the full operation may take some time, it was agreed it would be better to postpone it to the next shutdown.

ISEG:

MD indicated that on the 25th of March, Mateusz Lechman, CP and him met at the COMPASS hall to discuss the problem detected on the module item isAlive after the Iseg firmware was upgraded. MD indicated that, after the upgrade, new PVSS OPC Iseg group structure changed. Two additional tests were suggested: run the Iseg OPC server in event driven mode and increase the timeouts of the PVSS OPC Iseg groups. CP executed these tests with no improvements.

CP also indicated that some PVSS OPC Iseg groups don't seem to use the new timeouts (so there is a doubt that any of them actually use them).

Action EN-ICE: Inform the JCOP Framework experts about this PVSS OPC Iseg groups problem.

CAEN:

MD indicated that the firmware upgrade of the SY1527 and SY2527 used in COMPASS was done on the 24th of March. CP indicated that the monitoring and control of the crates via PVSS were successfully tested (due to some constraints, the channels weren't switched on yet).

ASN indicated that 2 new SY1527 will be integrated in COMPASS DCS project.

CAENet:

MD indicated that the problem of incomplete delivery of commands to the equipment was reproduced at the EN-ICE-SIC lab. The i0 and i1 were identified as the most problematic items.

MD indicated that there are no significant news about the FESA project which is expected to become a good alternative to CAENet in the future. A Beta version of FESA should be available in June and the 1st release in September.

SLiC:

SLiC modifications have been implemented and extensive tests have been performed by the COMPASS DCS team. (All results available from COMPASS). The implementation of a filter for fake readings was discussed. It was agreed that a v0 filter will be implemented in SliCApp.

Action EN-ICE: Provide to COMPASS a version of SliC with filtering of frames of data with fake readings, defined by vMon absurd values (too high or negative).

DIP:

ASN reported that COMPASS would like to subscribe to more items related to the beam line using DIP, and would like to know the flow of data until they reach the DIP publisher.

Action EN-ICE: Inform COMPASS about the DIP data flow scheme.

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