

Technical Meeting Compass DCS / IT-CO

Date: 02 February 2007 from 9:00pm to 11:00pm

Place: IT –CO 14-3-017

This meeting was attended by:

Catarina Quintas (COMPASS DCS)

Mathias Dutour (IT -CO)

Manuel Gonzalez Berges (IT -CO)

Content:

General news:

MGB reported that some people at CERN would be interested in helping COMPASS DCS group. MGB could provide related contacts if there is an interest.

Status of open issues / specific actions.

CT362923: bug in PVSS 3.1? (PVSS00ctrl)

This case is now to be closed. CQ fixed the issue in the project startup configuration.

CT370304: Iseg PVSS framework/OPC problem

This case is closed. MD mentioned some requirements are being produced by other experiments regarding ISEG OPC features. MD provided the related document to CQ.

CT376974 Wiener equipment communication problems

CQ and MD have uploaded the firmware on a first PL500 power supply, but then it appeared that a “Power inhibit” prevented any attempt to manipulate the power supply. Therefore the power supply was disconnected and CQ reported this problem to Urs Voght from Wiener.

Action MD (Week 7): Report to Wiener the problems encountered with the firmware upgrade tool.

CT349393 CAEN 1932 board integration in Framework

The A1932 modules were sent to CAEN and were not available to IT/CO by the date of this technical meeting. As the return date for this module is uncertain and some time is required for its integration in the Framework, CQ offered to check when this module will be available at CERN for testing.

Action CQ: Investigate when the A1932 CAN module will be available for Framework integration testing.

Ongoing business

Read refresh speed of CAEN modules with SLiC : No progress

CQ mentioned there are difficulties to read data from a certain CAEN module type with SLiC at a faster pace than the default configuration. This point will be investigated by COMPASS DCS team and the information passed toward ITCO.

No date is defined yet due to low priority. Besides this aspect, CQ will report to MD any changes in the board types used for the 2007 run so that any change in SLiC could be carefully planned and implemented.

FSM integration in COMPASS DCS application

IT/CO received a draft analysis document from COMPASS by the first week of January 2007 as expected. Some missing information was provided a few days prior this meeting describing the expected behavior of the GEM detector (section 4 of the “DCS Requirements for the 2007 Run” document v2). Whilst not exhaustive, this additional information is a step forward for IT/CO to provide support with the definition COMPASS DCS architecture.

Action MGB: Provide CQ with the first ideas for an upgrade of the DCS architecture, based on the details provided for the GEM detector.

Other requests for COMPASS DCS 2007 run

Besides the GEN detector behavior, some general requests (section 3 of the analysis document) for the DCS 2007 run were discussed, whilst not to be directly addressed by IT/CO support for DCS architecture definition. A summary is provided below:

User authorization feature:

Some past discussions on this topic have occurred (CT3344435, David Sora). The outcome has to be clarified as there is already some support provided in PVSS and/or Framework for these aspects.

Action CQ: Clarify the outcome of previous discussions and remaining potential issues (Check availability in PVSS 3.6 with MGB).

Communication SPS / DAQ:

IT/CO explained that the beam information is to be published through the DIP middleware, and therefore available in PVSS.

Action MD/MGB: Provide contact information to get the details over the published beam information available through DIP.

ORACLE –based data logging:

MGB explained this feature is available in the Framework and IT/CO could provide support for the setup once ORACLE space has been allocated to COMPASS DCS.

Action CQ: Check related Framework offered ORACLE services, and if satisfactory, request ORACLE space for the COMPASS DCS. (MGB could provide contact for the latter point if required)

Data warehouse support:

The alias –handling of the logging under ORACLE seems not to allow this functionality
To be clarified.

Alarm filtering:

The behavior expected here could be implemented in the related DCS PVSS project. If there are issues noticed with the alarm priorities as by managed by the Framework, a case shall be opened by COMPASS DCS with full problem description.

Hardware setting periodic check:

Some support exists already for this service.

To be clarified.

Running configuration, include/exclude detector, Enable/disable alerts and Load new settings:

These features concern details over the expected behavior of the DCS and are to be handled as such during the DCS design, using or not the FSM.

New actions.

None.

Misc.

None.

END OF DOCUMENT