

Technical Meeting Compass DCS / IT-CO

Date: 16 May 2007 from 14:00pm to 15:30pm

Place: IT-CO 14-1-06

This meeting was attended by:

Catarina Quintans (COMPASS DCS)

Ana Sofia Nunes (COMPASS DCS)

Mathias Dutour (IT-CO)

Manuel Gonzalez Berges (IT-CO)

Content:

General news:

CQ reported that the COMPASS 2007 Run will start earlier than previously scheduled: the experimental area will be closed from May 23rd on and there will be beam for the experiment starting from May 25th.

Status of open issues:

Wiener equipment communication problem (remedy case CT376974): MD reported that the Atlas experiment were having the same problems, with the same kind of equipment and the same OPC Server (Krakow version).

CQ informed that the flipping bad quality values could be solved using small OPC groups, but the problem with permanent bad quality values still persists. MD suggested to increase the bus speed, within the specified limits for the rather long cables of the experiment, or to subscribe only a small number of items in the OPC Client. CQ informed that the Wiener crates which have the communication problem are the ones on one end of the bus, but also have connectors plugged in a different way.

Action MD: check if that could be a reason for the problem seen.

Integration of new CAEN HV module A1932AN (remedy case CT349393): CQ reported that several items, such as monitored current or trip time are available only for the primary, but not for all the other channels. A few more items (TripInt and TripExt) were made available for the new version of the CAEN package of the Framework.

Action MGB: provide the new Framework CAEN package to the Compass-DCS group.

Database corruption: The case has been closed, after ETM providing a fix for the problem.

Framework/ISEG problem (remedy case CT421916): A case opened by CQ at the ITCO support was solved in the meanwhile and the solution was reported.

ELMB communication problem: This turned out to be a hardware problem of broken pins in a connector, which was fixed by Compass-DCS with the help of Jim Cook, from Atlas.

Migration to PVSS 3.6: CQ informed that the migration of the DCS project, upgraded to the present official version of PVSS, 3.6, to the main PC will be done on May 21st. Almost all the hardware was tested with the PVSS 3.6 project. There are panel rearrangements needed. The newest versions of the packages fwAccessControl, fwCaen, and FwIseg will be used. The newest versions of the DIM server, CAEN OPC server, ISEG OPC server and Wiener OPC server are also to be used and were already tested. The ELMBs are working fine. Only the PLC's and the mechanism to send automatic sms alerts weren't tested yet. The stability of the new ISEG OPC server still needs to be tested. This will be done in the beginning of next week.

Oracle archiving / PVSS 3.6 SP1: CQ informed that COMPASS DCS didn't have enough time to verify the stability of Oracle archiving and PVSS SP1, and therefore the HistoryDB archiving and the official release PVSS 3.6 would be used during this year's Run. MGB advised not to change from one kind of archiving to the other during the run. It was decided to try to migrate the data from the previous Runs to a production Oracle database after the Run begins.

Database configuration tool: No further tests were performed, because they were not priority, but still can be incorporated at a later stage.

Action ASN: investigate if and how the database configuration tool can substitute the present solution for saving settings by the detectors experts.

SPS DIP data: CQ sent a mail to the contact person of the SPS DIP data, Pierre Charrue, giving preliminary information about the items COMPASS would like to have in the DCS. These items are visible in the control room, via the Beam information monitor system, CESAR. A responsible person for this system, Vito Baggiolini, was contacted by the COMPASS beam coordinator, to provide a catalogue of available items for subscription and asking if there are any summary items. COMPASS was later informed that no summary items exist, but didn't receive any catalogue yet. A meeting with CESAR responsables is planned for 25th May.

Action CQ: write an official request and, if there is still no evolution on this, inform the

COMPASS spokespersons; security reasons should be invoked.

User authorizations: The new version of the FwAccessControl package is being used, including some new functionalities. There was a case opened in the past because the PVSS timer to measure activity cannot be used as is, in order to provide the functionality asked by COMPASS ("operator" login opened from a session in the main DCS PC in control room shall not have time-out; all other sessions should have it). MGB suggested that maybe it would be better, after the required time, not to have to relogin, but instead to run a script that would verify where PVSS was being run.

New points arising:

None.

Specific action and conclusion:

None.

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