

Technical Meeting Compass DCS / IT-CO Minutes

Date: 23 November 2006, at 3pm

Place: 14-4-002

This meeting was attended by:

David Sora (DS)

Francisco Mota (FM)

Mathias Dutour (MD)

Manuel Gonzalez Berges (MGB)

Content

1) General news

- DS informed about the tests with actual PVSS version/project (PVSS 3.1) used in COMPASS with Linux SLC4 (no problems found during the tests).
- The next test should be done, not with PVSS 3.5 (as DS thought to be the last stable version) but with the next official release PVSS 3.6 (MGB will provide the new version to DS soon).
- MGB informed that the new version is not backwards compatible, and the upgrade from 3.1 to 3.6 must be done with the correct procedure (using the PVSS “upgrade button”). As some errors found in last versions (for example, some function parameters were not workin and for that reason ignored by PVSS) are now fixed in the new version, the upgraded projects should be tested in order to resolve possible problems related to the fixed bugs in PVSS functions/parameters. The PVSS upgrades and tests should be done as soon as possible.
- DS informed that FM is leaving the group at the end of this year (and CERN site in two weeks).
- ITCO underlined the negative impact not to have fulltime a DCS technical expert on site for problem solving.

2) Status of open issues / Specific actions

- CT370298: PVSS unit values

This case is closed. However, a CAEN standalone program provides unit details of the measured channel parameters, while this information is not mentioned in the crate CAENET API documentation. Only CAEN SY527 provide unit information and only for the current.

- CT362923: bug in PVSS 3.1? (PVSS00ctrl)

This case is on hold. PVSS shows some problems in restarting manager while the manager's configuration explicitly requests to do so.

Action ITCO: trigger again ETM on this problem to accelerate feedback.

- CT370299: Precision problem in PVSS

This case is closed as the provided SLiC version was proven to solve the problems.

- CT370304: Iseg PVSS framework/OPC problem

Problem solved in the next release. Lionel Wallet (ALICE) is now in charge of the ISEG framework component (not officially responsible for the ISEG technical support at CERN).

- Suspicious OverCurrent status on CAEN channel.

This was due to beam instability. As such, this is a normal behaviour from detector perspective.

- CT379839: Unclear PVSS/OPC Wiener items

MD sent to FM the explanation of the 5 unclear items.

- CT376974: Wiener equipment communication problems:

After a couple of days, the OPC server stop responding correctly and the situation is so unstable that the crates have to be power-cycled to get back in operation. Some information about these problems have been discussed between ATLAS (Zbyszek Hajduk) and COMPASS but not followed.

Francisco sent to ITCO his results with Wiener's tests and a technical meeting (for tests) with MD and FM was scheduled for Friday (24 of November), at 9am, in COMPASS 888 building. The test should be intensified next week as Francisco is leaving soon. After Francisco departure DS shall take over wiener responsibility also.

3) New points arising / conclusions

- FSM

DS showed some FSM draft schemes for the architecture and explained his concerns about calculation of workload and deadlines for the FSM integration in COMPASS. FGB explained that FSM can run in a single PC, even in the same where PVSS main project is running. But it depends crucial in the document to be written by the DCS group, explaining what is to be achieved with FSM in COMPASS, the hierarchy of the detector nodes, state diagrams, etc. The schemes

should also include number of channels. Only after providing this document to ITCO, a real estimate can be calculated for the time, and workload, needed for the job. Draft versions of the document can be issued but it must be complete and sent to ITCO 3 weeks prior the FSM meeting of mid/end January 2007 as decided in previous meeting.

- Next meeting

The next regular meeting should take place next 15 of December, in the afternoon. MD agreed to send an email to DCS group in order to decide where and at what time shall this meeting start. DS informed that, from the DCS group, only Catarina Quintans will be present. The meeting was scheduled to discuss only general DCS issues, unless a draft of the FSM document is sent to ITCO before this next meeting. In that case a ITCO expert for FSM shall also be present.