Technical Meeting COMPASS DCS / EN-ICE

Date: June 8th 2009, from 11:00pm to 12:30pm
Place: Scada Lab
This meeting was attended by:
Mathias Dutour (EN ICE) (MD)
Piotr Golonka (EN ICE) (PG)
Catarina Quintans (COMPASS DCS) (CQ)
Ana Sofia Nunes (COMPASS DCS) (ASN)
Christophe Pires (COMPASS DCS) (CP)

Content:

General news:

MD announced that the EN-ICE team currently at the Meyrin site will move to the Prevessin site, more precisely to building 864, within a month.

PVSS / General:

PG informed that PVSS 3.8 SP1 will include various patches and new features, that the release of PVSS 3.9 was delayed to December 2009 and that support for PVSS 3.6 beyond 2009 will be discussed in a meeting with ETM, in 2 weeks.

JCOP Framework/ConfigurationDB:

CP informed that the configurationDB package is partially integrated in the COMPASS DCS production project. Recipes of alerts are already available in the DCS and recipes of settings will be integrated briefly, at a suitable timing.
PG announced that a new version of the ConfigurationDB is available. Several bugs were fixed. To use this new version, a schema upgrade is needed. PG stated that if the version of ConfigurationDB currently used by COMPASS DCS is working fine and as COMPASS Run 2009 already started, it would be better to stay with the current version of the ConfigurationDB until the end of the Run.
CP asked PG if the release of the next version of ConfigurationDB is already scheduled and if new functionalities will be added. PG answered that there is no release date planned for the next version and that in principle new functionalities will be added (for example, the possibility to remove devices from recipes when editing them).

Oracle archiving:

COMPASS DCS informed that on Monday 1st June, there was a network problem and the project lost the connection with the Oracle database associated with the production PVSS project. The RDB manager blocked and then, when the database was accessible again, it did not recover from that state. There wasn't any message in the logs at the time of the loss of connection. COMPASS DCS also observed that the number of entries per block was very low. Afterwards, a test was done to reproduce this problem and it was observed that the DPE that should indicate the number of blocks in buffer was always 0. The parametrization of RDB archive manager settings was also discussed. Finally, COMPASS DCS asked if it would be possible to backport to schema version 6.2 RDB fixes that have been introduced in more recent distributions. PG stated in principle this would be possible.

Action ASN: Open a remedy case about this issue : Oracle Archiving parameters configuration, detection of connection issue and feedback to Operator, poor PVSS manager behavior.

Edit: since the meeting, ASN opened a remedy case about this issue. Remedy case URL: https://remedy01.cern.ch/cgi-bin/consult.cgi?caseid=CT0000000605548&email=ana.sofia.nunes@cern.ch

Wiener:

CQ reported a loss of communication with two VME crates (one UEP 5021 and one UEP 6021). This type of loss of communication was not observed since 2007. This year, during shutdown period, cable length was increased by some meters. The communication with one crate was restored after a power cycle and as soon as possible the other crate will also be power cycled.

Action COMPASS DCS: power cycle the other crate. **Edit:** done.

CAEN:

CQ informed that one module SY403 is reading wrong values (10 times higher than the real values).
CQ reported that she noticed fake readings like the ones seen in SLC4 in a crate SY527, also in SLC3. Since last year, pause time of the fast cycle was increased from 10 ms to 100 ms.

CQ informed that she didn't answer yet CAEN about the possibility for them to come to COMPASS and look to the CAENET problem. MD advised to rediscuss this possibility in a technical board.
MD stated that LHC experiments are using new EASY crates, which are controlled with OPC server, without any problem, reading one board/branch each half a second.

Action COMPASS DCS: change pause time to the value of last year.
Action COMPASS DCS: provide to MD a spare SY403 module for investigation and modified CAEN diagnostics program sources.
Action COMPASS DCS: discuss at next technical board the CAEN long term support issue and if CAEN should send a team to COMPASS to investigate the CAENET problem, or if decrease of performance but more stability and official support would be an option with new type crates and OPC server.

Calorimeters:

The indirect monitoring of the electromagnetic calorimeters is already integrated in the COMPASS DCS test project. It will be integrated in COMPASS DCS production project soon.

Edit: since the meeting, it was integrated in the COMPASS DCS production project.

Laser control:

No news.

Iseg:

CQ asked general informations about Iseg equipments in view of new purchase of HV PS foreseen for the near future in COMPASS. MD answered that they are used in several experiments, but that there isn't any global support contract for them and they aren't available at EPool.

EPICS/Channel Access:

New items added to the COMPASS DCS project.

DIP:

CQ informed that she noticed several losses of connection of the DIP server. CQ announced that no agreement could be found yet to include some beam line items in DIP.

Action CQ: Open a remedy case about the losses of connection of the DIP server.

PLC/Modbus server:

Modbus server switched on last week.

Router:

The new ordered router was installed and COMPASS has now access to the technical network.

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