

Technical Meeting COMPASS DCS / EN-ICE

Date: 3rd November 2010 from 11:00 to 12:00

Place: Building 892, 1-B09

This meeting was attended by:

Brice Copy (EN ICE) (BC)

Ana Sofia Nunes (COMPASS DCS) (ASN)

Christophe Pires (COMPASS DCS) (CP)

Geraldine Thomas (EN ICE) (GT)

Ben Farnham (EN ICE) (BF)

Excused : Piotr Golonka (EN ICE) (PG)

Content:

General news:

- COMPASS runs will stop from **22nd November**. The data of the 2011 Run is not yet known, and may be different from previous years (usually it started around May), due to the LHC schedule.
- Monitoring of hadronic calorimeters (HCal1 and HCal2) was recently in the COMPASS DCS, similarly to the monitoring of its electromagnetic calorimeters (read from MySQL database filled by the DAQ).
- OPC-UA solutions are currently being investigated at EN-ICE.

PVSS / General:

- ASN and CP inquire about PVSS 3.8 SP2 availability – BC : Up on the EN-ICE website as of today 3 Nov 2010 (<http://j2eeps.cern.ch/wikis/display/EN/PVSS+Service+Download+3.8SP>).
- COMPASS asks if PVSS trends can be connected to Oracle DB with read-only permissions ? Possible enhancement request ?
 - **ACTION Piotr** : Collect more information on which objects need to be writable for trending to work. (BC filed a request with PVSS Support [ENS-2086](#)).

- **ACTION Piotr** : Trending queries - can they be improved ? 21 mins for 200,000+ values on 8 data points (BC filed a request with PVSS Support [ENS-2086](#)).
- **Suggestion from BC** : Partition the Oracle db tables according to data. If not already done. ETM can advise on how to partition. Maybe Oracle DBAs too.
- PVSS Project is corrupted - stopping it causes a corruption - ghost alarms that did not exist before show up in the ALERT table, also in PARA they show up, sometimes they propagate to other nodes or not, making it difficult to get rid of them (data manager “-repair on” flag can repair the situation, deleting the data points and recreating them using the same IDs also).
 - **Suggestion from GT** : are you using Query Direct ? Using Oracle Instant Client on the server could improve things.
 - The problem is easily reproducible, just by restarting the main project - JIRA CASE PENDING ([ENS-1556](#))

OPC:

- GT : Problem with Schneider OFS cannot be reproduced in the lab - Version of OFS can be upgraded to v3.34.
- **ACTION GT** : Test it in the lab first . ([ENS-1443](#))

Wiener:

BF got the chips with new firmware for VME crates with PS of type UEP 5021 (all 14 of them), they are ready.

- COMPASS DCS will start the test with one crate.
- **ACTION BF** : Just a few days after the end of the run, to start to test the chips – ask Wiener if the crates need to be recalibrated; they are precious to the experiment - Electronic Pool might be able to help.

CAEN:

FESA : an International Volunteer (Adrien Chiron) is now in EN-ICE to look at FESA classes for CAEN

- **ACTION BF** : Check if FESA 3 will be available in time this year ?
ANSWER : **January 2011**
- **ACTION PG** : Ask NA62 what they are doing to control their old CAEN crates ? **BC : Asked Piotr by email for a contact name.**
- **ACTION BF** : Ask ATLAS how they deal with CAEN OPC, which of event or polling mode they use?

- BF mentions that the CAEN OPC pages on EN-ICE web provide a list of which models support Polling / Event modes.

ISEG:

Meeting with Matheusz Lechman and LHC users, visit of ISEG for two days around early December to discuss the existing problems (fake readings) and the conditions of a maintenance contract with the company.

- No ISEG test equipment in the labs.
- **ACTION BF** : Update on this ?

ELMB:

No news.

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