Minutes of the EN-ICE/COMPASS-DCS Technical Meeting

Date: 02/12/2015, 11:00-12:00
Place: 891-1D-002
Attendees:
Brice Copy (BC), EN-ICE
Christophe Menezes Pires (CP), COMPASS

General News:

The COMPASS experiment stopped taking data on November 16. Next COMPASS data taking is foreseen to start on April 2016.

BC informed that EN-ICE was moved to BE-ICS led by Peter Sollander.

CP informed that he will attend the exploration of Web/Cloud based development environments for WinCC OA meeting on December 8.

CP reported a request to integrate the remote control of MWPC low voltage power supplies in the DCS of COMPASS via ELMB. Another solution to integrate these devices could be ethernet power switches.

CP informed that COMPASS RICH detector will be upgraded and an upgrade of the high voltage power supplies is planned.

OPC-UA:

BC informed that the CERN OPC-UA server generation framework QUASAR is now available under a LGPL v3 license. It is composed of XML / Python / C++ code generators and libraries. It can use both the commercial Unified Automation toolkit and the open-source open62541 implementation as a back-end.

OPC-UA is now the recommended middleware technology for interfacing with custom hardware.

WinCC OA:

CP reported an inconsistency on the official WinCC OA download page (PVSS Service Download 3.11SP1). The Download and Installation table recommends Cumulative Patch 20140829, while more recent Cumulative Patch 20141212 is also marked as recommended in the next table.

CP informed that he will start to test Cumulative Patch 20150916 and asked if there are plans to publish and/or mark as recommended another cumulative patch before the restart of COMPASS data taking in April 2016.

JCOP Framework:

CP informed that James Hamilton as solved several UI bugs reported by COMPASS. Relates to: ENS-8515, ENS-13603 and ENS-13740.

BC reported that JCOP Framework 5.2.0 shall be released before the end of the year.

CAEN:

CP informed that COMPASS Trigger group is considering buying a CAEN SY4527 power supply. This crate might replace some of the old CAEN SY527 power supplies controlled and monitored via SLiC.

Iseg:

CP reported that during the COMPASS data taking period an Iseg high voltage power supply had to be replaced twice using existing spares.

Wiener:

CP reported that for the first time a single upset event was observed on a Wiener VME Wiener UEL6000 fan tray. Relates to: ENS-15754.

DIP:

CP reported that the request to CMW to publish the SPS supercycle length via DIP is still pending and that for next data taking period more information from the beam line was requested.
Relates to: CMW-1907

DIM:

CP informed that the remote control of Wiener low voltage power supplies was integrated in the COMPASS DCS via DIM and an ethernet power switch. These low voltages power supplies are quite old and they don't have any remote interface for control and monitoring.
CP reported that COMPASS Gandalf readout electronics monitoring was integrated in the COMPASS DCS via DIM.

Schneider OFS:

CP informed that ECal0 new cooling and ventilation system provided by EN-CV will be integrated in the COMPASS DCS via Schneider OFS OPC. The system has a Schneider TSX Premium P57 PLC with ethernet interface.

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