

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

Date: 15/06/2017, 11:00-12:00

Place: 891-1D-002

Attendees:

Brice Copy (BC), BE/ICS

Christophe Pires (CP), COMPASS

General News:

The COMPASS experiment data-taking started on May 8 and it will end on October 23.
COMPASS DCS is running smoothly, still on WinCC OA 3.11.

BC informed that BE-ICS is under reorganization and CAN knowledge is being passed to Michael Ludwig.

WinCC OA:

COMPASS DCS is not using WinCC OA 3.15 in production.

CP informed that WinCC OA 3.15 P003 that was released on June 15 has not yet been tested.

CP also mentioned that on WinCCOA Service Download 3.15 webpage, no version is marked as recommended.

JCOP Framework:

CP reported that the old FwWiener 3.1.0 component still used by COMPASS DCS was renamed, including the datapoint types, datapoint names and functions in it. This was done to allow the installation of FwWiener 5.2.0 as new Wiener low voltage power supplies were recently bought for one detector.

CP informed that he applied a few workarounds to solve a few issues with the currently installed JCOP framework in the COMPASS DCS. Relates to: [ENS-17027](#), [ENS-17851](#) and [ENS-19514](#).

CAN bus and OPC:

CP reported that the CAN bus/OPC tests performed during EYETS were successful.

For Iseg high voltages, occasional invalid readings were traced back to Windows automatic tasks related to Telemetry. Disabling the tasks solved the problem.

Tests were also performed for COMPASS Wiener CAN bus lines and adjusting the CAN bus speed of the longest line from 125k to 100k solved the problem of the invalid readings after powercuts and/or restarts of the OPC client and servers.

DIM:

CP informed that two new Ethernet to digital IO relays were integrated in COMPASS DCS via DIM. These devices are used to remotely power on/off old Wiener low voltage power supplies that don't have remote control interfaces.

DIP:

CP reported that dip/NA/COMPASS/Cryo publications were lost in February and recovered later. This was probably due to the upgrade of cs-ccr-qnds3 to WinCC OA 3.15 as the data was still being updated on Timber.

CP informed that during EYETS, COMPASS SM2 magnet power converter was replaced and that DIP subscription had to be updated. The new FGC device returns a float array instead of a scalar. Relates to: [CMW-2447](#) and [EPCCCS-4715](#).

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