

nODE

ECS software status

Seen the possibility to accede again, by person , to the ECS setup chain in Rome1, even if for only a few hours per day, a real chance of reuse that old setup arises again. So, with reference to Davide's email yesterday, April 27, where he asked for the possibility to refactoring that setup for the mid May, my personal reply is: yes, maybe...

Further, when Davide ask for which is the *completing percentage* of some previously agreed points, I can reply point by point in the following way:

1) Preparation of the pseudo-final DP structure;

For the nODE boards the percentage is **100%** and not for the 'pseudo-final' DP structure but for the final one instead.

2) Preparation of the pseudo-final libraries with low level functions for set and monitor every hardware register;

For the libraries of interest for the collaboration the percentage is **100%** and also in this case these are official not 'pseudo' releases.

3) Preparation of very simple panels to test and use above libraries;

Here the reply is more articulated...

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Strictly sense speaking, the completion percentage for this item is **0%**. Some scripts had been developed instead.

These scripts allow the test of practically all functions of the library of public interest (the nSYNC.ctl) but not in graphical way.

On the other hand, as several times already described, a sophisticated panel has been developed, not for the test of the libraries but for the real work to do during the Connectivity Test or during the Commissioning. This panel is still under test/development (the initial design requirements have been increased). This panel will accomplish all those operations needed to get a nODE board, a whole crate of nODE boards or also an entire quadrant of nODE boards, up and running, after having automatically done every HW and SW configuration.

In any case, a graphic panel to access all the nODE registers is under development, but the expected times for it are late May, early June ...

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Yesterday, we have received a Wander's email, also...

In that email and in today's Wander presentation, we see that some partial operations will be again possible at CERN, in the experimental area, starting from May, 11.

At this point I feel compelled to ask all of you a question, but first a little preamble.

The refactoring of the old installation of Rome1 implies a whole series of operations that steal time, too much time, to the installation and test of our software. I think, for example, of the need to search and then install a version of WinCC-OA that does not give me or to Sofia any problems (I am currently working with a specific old Amsterdam version, personally patched by Louis). Then we have to create a new project to receive my software and that of Sofia, etc...

So, here is the question:

“Seen that the availability of the minidaq2 CERN machine and the minidaq2 Rome1 machine, will fall in the same days (May, 11 and mid May), why don't dedicate a little more time to develop and refine our software and then install all, starting from May, 11 on a machine that is already almost ready for our purposes?”

Let's reflect guys, let's reflect 😊