

Survey on power supplies for loaded local support QC and integration QC

Power supplies are required for electrical testing of loaded local supports and during integration of larger structures. In contrast to previous planning it is unclear if they will be available from CORE funding in large enough numbers. This survey was started to evaluate the type and number of already available power supplies within the ITk Pixel Community.

*Obligatoire

Name *

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Will your institute perform loaded local support QC? If yes, how many setups are foreseen for electrical testing? *

Yes. We plan on having 3 setups: cell reception, during loading of local supports and in Pandore.

Does your institute have any power supplies (LV, HV, VDCS, VCAN) which are foreseen to be used for testing of loaded local supports (serial powering chains)? If yes, give details on the type. Specifications for the power supplies can be found on: <https://edms.cern.ch/document/2192745/2> and https://docs.google.com/document/d/1FxyBulrHrLro7GFW38uw4fSDeY_aq-HrO3AJsmGsJXs/edit?usp=sharing. Particular parameters to check are the off-mode, ramp speed and floating grounds. *

We will probably be able to have the correct HV. For the VDCS and VCAN, it looks good too. For the LV however, we may have found one TTI supply but this will be the most critical part for our setups.

Comments

Having recieved the call for survey this week, with the confinement it is difficult to check remotely for a more detailed survey. Sorry about this.

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