

# DP FC PRR Responses

WA105 TB Meeting

June 14, 2017

*Jaehoon Yu* for

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A. Gendotti, S. Murphy, C. Cantini & ETH Team

F. Pietropaolo & CERN Team

# Recommendations & responses

- 3.1 Add the Critical dimension to the QC Plan, QC Checklist and inspection procedure → Done in procedure 4.1.2.1, 4.1.2.2, Fig 1 – 1, and I-beams and FRP plate dimensional inspection check list
- 3.2 Develop torque values for the screws and nuts and incorporate into the assembly procedure → Not done yet but will do it when we go into the full production mode. Will need a sample and cold testing. Will get this done before the start of the FC installation in Feb. 2018.
- 3.3 Upload the Field Simulation Calculations and the Load Testing Report performed by ETH into Docdb. → The load testing report has been uploaded into DocDB3009. The field simulation still need to complete. Will get this done by Sept. 30, 2017
- 3.4 Complete the design of the shipping crate. → Working on this. Will be done by July 31, 2017.

# Recommendations & responses

- 3.5 Add the labelling requirements to the procedure.  
→ Done. Added onto the disassembly procedure.  
4.4.3.
- 3.6 Revise the Profiles QC Checklist to remove the reference to ID No. since the profiles will not have ID numbers. The Checklist can reference the number satisfactory and unsatisfactory with a space to describe disposition of unsatisfactory profiles. →  
Done

# Recommendations & responses

- 3.7 Add the coating inspection requirements to the QC Checklist and procedure. → Done! Modified the cleaning procedure 4.2.1 – 4.2.7 to include much more details, including the coating and inspection procedure. Modified the QC checklist for I-beams and FRP plates visual receipt inspection.
- 3.8 Develop Receipt Inspection, assembly and test procedures for the HV Divider Boards. → In progress. Will be done by the time we submit the response in about a week.
- 3.9 Add the HV Divider Board requirements into the QC Plan. → In progress. Will be done by the time we submit the response in about a week.

# Recommendations & responses

- 3.10 Install smoke detection in the lab space. → Will work with the ES&H at UTA to install one in the assembly clean room and the semi-cleanroom.
- 3.11 Document lab access/egress procedures to include all requirements, as stated above. → Will produce a safety manual and require all members to read and sign. Will be done by July 15, 2017.
- 3.12 Update deburring procedure to include the use of googles and shop vacuum. → Done. Incorporated into procedure 4.2.2.