

Subject: HiLumi / P5 / SL57+ducts, SHE57 / STEP 2 Review

– HL-LHC Integration meeting 30.03.2020 – <https://indico.cern.ch/event/897873/>

List of SMB modifications on 3D models for STEP 2 Review:

SHE57 (Helium tank platform):

- Steel plates and anchorages added in SMB scope

SL57 (technical gallery) and SL50X (technical ducts):

- Earthing sockets along the technical gallery (checked with EL)
- Reservations for dry networks (lighting & camera) and fire hydrant (not added, but to be checked by EL/CV)
- Modification personnel access in technical gallery -> retractable stairs replaced by caged ladders (requested by HSE)
- Accesses position (personnel/material) have changed following Integration input or Consultant advice (Integration shall check wrt services):
 - o SL571 (after SHM57) -> split in two
 - o SL571 -> personnel access moved after SL503
 - o Beside SE57 -> material access moved 1m twd personnel access
- Technical ducts have 10cm step at the junction with other structures (bld, gallery) to prevent water leak:
 - o SL502 -> both side (checked with EL)
 - o SL503 -> SL571 only
 - o SL504 -> SF57 side, to be made after pipe installation
- Q1 : SE57 - Due to the proximity of the ventilation cover to precast façade panel, is it possible to move material access ? Overlap with cable tray to be checked ...
- Q2 : SL503 – Width along duct is 120cm. At junction with chamber beside SL503, free width is locally reduced to 100cm. Ok for Cryo/Integration ?
- Q3 : SL57 junction to SL5 – Metallic platform for passing above services. Can be optimized (avoid ramp) ? To be handed over with gallery or need to wait services installation ?

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