

Status of Interconnect Works in the LHC Arcs, DS and LSS regions – week 48 (November 26 – December 02, 2007)

O. Denis, AT-MCS (on behalf of the arc, DS and LSS coordination teams) EDMS no. 884831

This report gives the status of the interconnect works in the LHC arcs, dispersion suppressor and long straight sections regions carried out during week 48 (November 26 – December 02, 2007) in responsibility of the interconnection arc and LSS coordination teams.

Sector 1-2 (completed on 05-Nov-07)

- Repair of Helium gauges is stopped to allow pressure test end of W49. Necessary replacements identified during pressure test will be performed during consolidation.
- All sectors are ready for pressure test.
- The triplet interconnections and jumpers in 1R are closed, ready for pressure test.
- 1 PIM (Q2/Q3R1) will be replaced after pressure test.

Sector 2-3 (completed on 30-Oct-07)

- Repair of Helium guards ongoing to allow installation of Helium level gauge (6 IC's are open).
- Leaks are localized in 7L3 : M and KC' lines. The repair is done on KC' circuit (F collector) and under leak test. The first attempt to repair the leak on M line failed. A new trial will be done in W49.

Sector 3-4 (completed on 18-Sep-07)

- Repair of DF BAG jumper is completed as planned. The leak test is ongoing.
- DSLC interconnections are completed. Its external envelope is under leak test.

Sector 4-5 (completed on 29-Apr-07)

- Cool-down in progress.
- The shutdown of beginning of 2008 has to be planned.

Sector 5-6 (completed on 05-Sep-07)

- Cool-down restarted.

Sector 6-7 (completed on 30-Aug-07)

- The QRL flushing is ongoing. Then the magnets will be flushed.

Sector 7-8 (completed)

- Still several Helium guards to change; work in progress.
- The leak found on busbar bellows assembly in D1/DFBX interconnection has been localized on the convoluted part. The leaking bellows has been removed after the busbars unsoldering. A new one is in place. The electrical connection is redone and validated. The line is closed and under leak test. The closure of the IC should be completed by end of W49.

Sector 8-1 (completed on 9-May-2007)