



Science & Technology
Facilities Council

Project Managers Update

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Step IV

- **Updates to schedule**

- Spectrometer Solenoid control and instrumentation racks have arrived at DL (20th August)
 - Enabling work to be completed on the build and subsequent installation of control and power racks at RAL
- Spectrometer Solenoid cooler compressors and heads will be shipped very soon
 - West wall compressor installation is progressing well and will be ready to accommodate the compressors when they arrive
- Spectrometer Solenoid vacuum equipment will arrive in the same shipment as above
 - Final work on the Vacuum manifold can then be done.
- Extensions to the compressor hoses – order is now out and we have a shipping date
 - 17th November from New York so allowing a week for customs should arrive around 24th Nov.
 - Installation of the lines will be done when trays have been completed. Final design work for trays almost complete.

Step IV

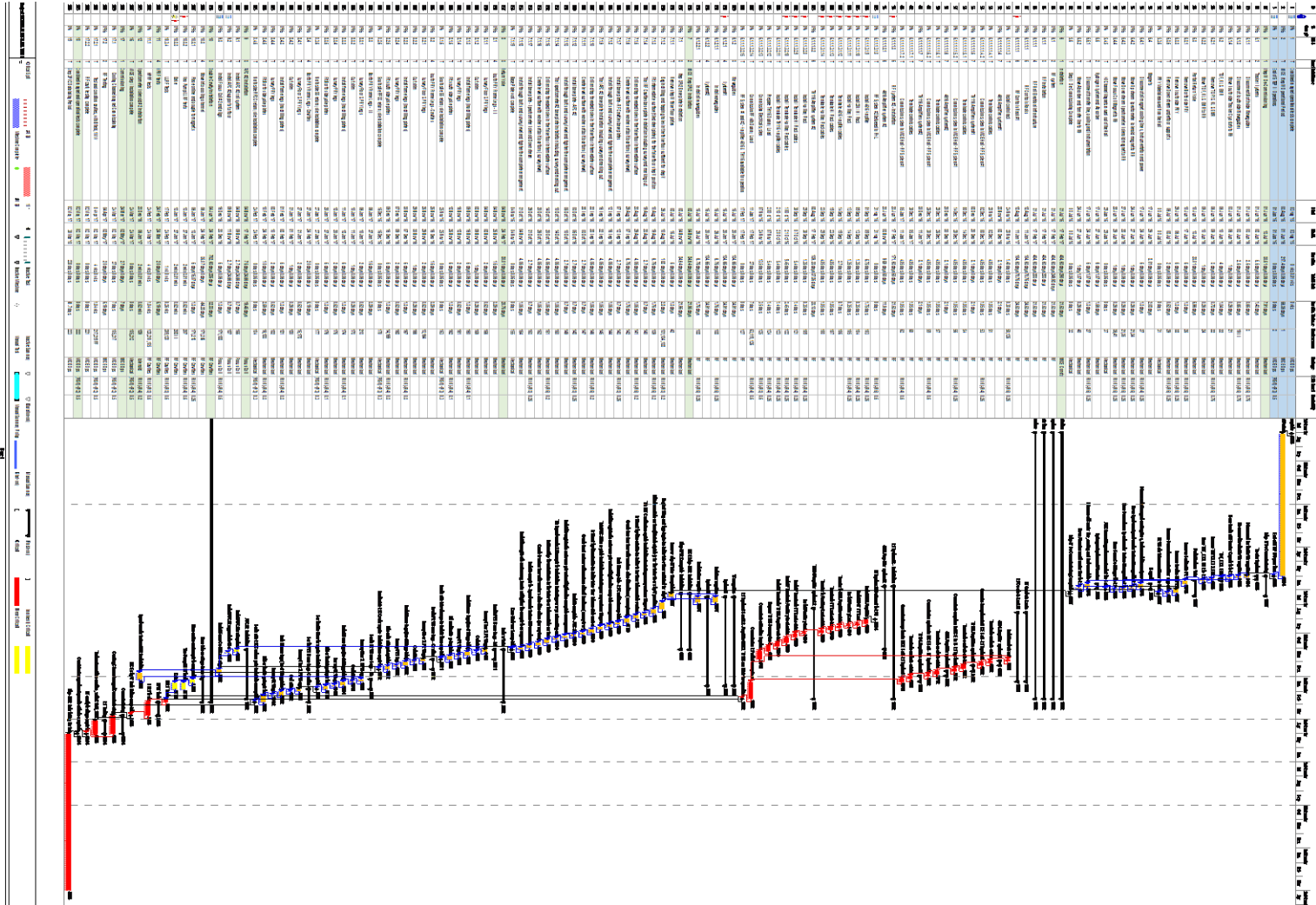
- **Updates to schedule**

- South side PRY materials delivery to RAL 2nd March 2015
 - This is a change from the original dates in the dashboard but work will be carried out at the manufacturing company to mitigate the installation risk at RAL.
 - A full fit up of the frame and wall material will be carried out to ensure all fastener positions are correct.
 - Any changes required at RAL would risk severe delay.
 - Survey data for the floor sections currently being installed at RAL will be sent to the manufacturing company to correlate the fastener positions.
 - Up to the delivery of the South materials a great deal of work can be carried out to smooth the latter stages of the construction
 - Full test fit of the magnets with bellows
 - LH2 system connection, pressure and vacuum test
 - Process for absorber changes
 - Fit checks for the LiH.....
- North side material delivery remain the same as previously stated 24th March for wall materials.

Step IV

- **Dates**
- Construction complete – 27th May 2015
 - South PRY material installation was not on the critical path and with a better understanding of the installation process the construction complete date can be held (within a few days)
- Commissioning complete – 3rd August 2015
- Data taking period – *up to 10 months*
 - More explanation on the next slide with Step 3PI/2

Step 3PI/2 (the Step formally know as V)



Step 3PI/2

- **Critical Path**

- The main item driving the critical path is the completion of the RF systems 1 and 2 in the hall at RAL
- From the analysis of when the RF construction and installation can be carried out there is a lot of slack created in the schedule.
- It is this slack that has been taken up fully that is giving the very latest dates for the end of Step IV data taking and then the start of de-commissioning of the Step IV arrangement.
- In actual fact we would want to give ourselves some slack and so we must discuss exactly how long we are going to need to collect the data at Step IV.

- **Dates**

- End of Step IV data taking – *1st June 2016 (slack must be gained so this date is the very latest possible)*
- RF System 2 delivered to RAL – 31st August 2016
- Step IV de-commissioning complete – 8th July 2016
- South side PRY installation complete – 16th December 2016
- North side PRY installation complete – 10th February 2017
- Step 3PI/2 Construction complete – 24th March 2017
- Commissioning complete – 2nd May 2017
- End of Step 3PI/2 Data taking – 30th March 2018