

Meeting of Integration and AIV Planning Team at RAL Thursday 18 July 2002

Present

Chris Brockley-Blatt MSSL

Eric Sawyer Rutherford Appleton Laboratory
Dave Smith Rutherford Appleton Laboratory

Discussions

This was the first meeting of the Integration and AIV Planning Team, consisting of Eric Sawyer, Chris Brockley-Blatt and Dave Smith. The meetings will be a forum to discuss and plan the logistics of the forthcoming integration and AIV of Spire STM and CQM models. They will be held once a fortnight, either at MSSL or at RAL.

Preciding to the meeting, CBB presented the current MSSL schedule and manufacturing difficulties. The current plan is for the Optical Bench design to be finished by and released on 2 August 2002, so that the bench can be manufactured by the end of August. This is the critical path for the MSSL schedule. The current proposed MSSL integration Plan is shown in Figure 1.

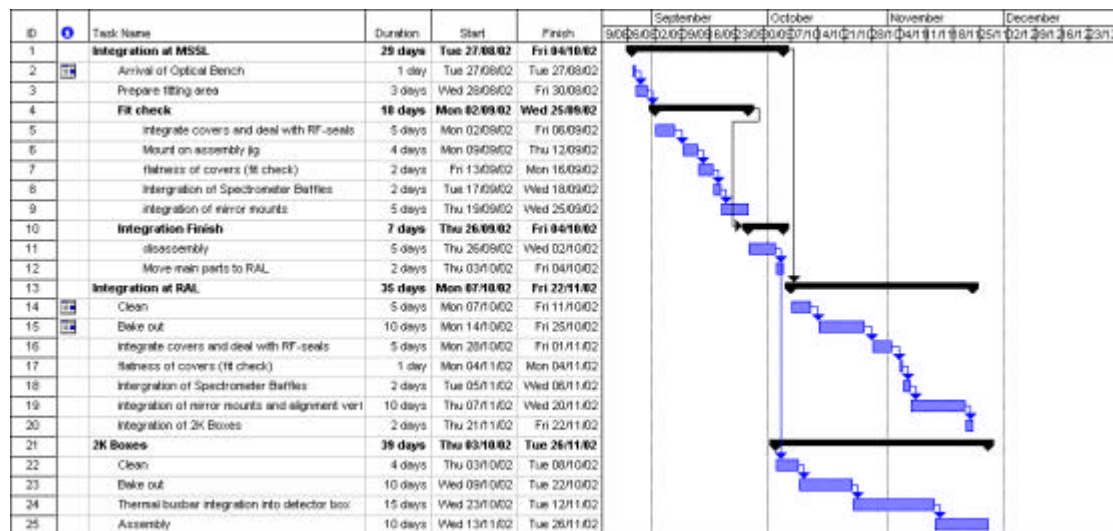


Figure 1 – MSSL Integration Schedule

Delivery Dates

It was deemed necessary to have realistic delivery dates so that a realistic integration and AIV could be produced. MSSL currently need the filters' thickness in order to finish the dichroic mounts (**ACTION 1**). The current delivery date for parts to RAL for MSSL is 7 October 2002 but these parts need to be cleaned and baked out before final assembly. This is due to finish on 26 November, as it currently stands.

It was agreed to get realistic delivery dates from the rest of the subsystems before actually notifying them of the last deadlines for delivery, in order to maintain or improve upon the AIV schedule. (**ACTION 2**).

MGSE

From looking at the MSSL and the RAL integration plans, it looks like that both institutions require the HOB simulator at the same time. RAL will need to order a second HOB simulator to ensure that there is no delay to the current schedule (**ACTION 3**).

RAL to check the height of the test area, as there was concern expressed about the height of the lifting equipment as designed by MSSL (**ACTION 4**).

MSSL to check the number of sets of MGSE that will be supplied. (**ACTION 5**).

Schedule

With the delivery of the Cryostat estimated at 18 September 2002 and the MSSL delivery dates, the integration and AIV plan is currently 2 months behind previously envisaged. Looking at the RAL and MSSL plans together, it seems that some of the tasks can be concurrent or even merged. This needs to be investigated further and RAL need to replan these activities (**ACTION 6**).

MSSL to plan out their clean and bake out plans and advise RAL which parts need to be baked out at RAL (**ACTION 7**). . RAL to then quote for use of eth clean and bake out facilities (**ACTION 8**).

MSSL still needs data on where the Cardiff blacking is to go on the structure. MSSL need to chase Bruce Swinyard and Tony Richards. (**ACTION 9**).

Next Meeting

Next meeting is scheduled for Thursday 1 August 2002 at MSSL. DS already has given his apologies as he will be on leave.

Actions

Action Number	Name and Description	Owner	Progress	Deadline
1	Check with Peter Hargrave when will the dichroic filters be ready and when will thickness be available.	CBB	Post meeting – Pete emailed on 19 July to say that the CQM filter were scheduled for 15 October but he could let MSSL	19 July 2002

			have thickness before mid September	
2	Contact the subsystems and request realistic delivery dates	ES		1 August 2002
3	Order a second Hob Simulator	DS		1 August 2002
4	Check the height of the test facility.	DS		1 August 2002
5	Check the number of sets of MGSE that will be delivered to RAL.	CBB	Post meeting - Only one set will be delivered	19 July 2002
6	Revise the integration and AIV plan for STM and CQM to get realistic dates for activities	DS		1 August 2002
7	Plan out which parts of the structure are getting cleaned and baked out where.	CBB	Post Meeting - Current listing is available.	26 July 2002
8	Quote for the use of the RAL clean and bake out facilities	ES		16 August 2002
9	Chase Bruce Swinyard and Tony Richards for details of where the blacking goes on the structure	CBB		1 August 2002