

**Meeting of Integration and AIV Planning Team –  
Telecon between RAL and MSSL  
Thursday 29 August 2002**

Present

Chris Brockley-Blatt MSSL  
Berend Winter MSSL  
John Coker MSSL (Part time)

Eric Sawyer Rutherford Appleton Laboratory  
Dave Smith Rutherford Appleton Laboratory

**Discussions**

This was the fourth meeting of the Integration and AIV Planning Team.

**Minutes of last meeting**

The minutes of last meeting were deemed acceptable and the status of the actions is given in the table below.

**MSSL Schedule**

The Optical Bench was released on Friday 16 August 2002.

**Delivery Dates**

The current delivery date for parts to RAL for MSSL is 7 October 2002 for cleaning and baked out before final assembly looks in doubt. The optical Bench is due on 16 September 2002, leaving about 2 weeks for fit check and helicoil installation. Chris asked if this delivery date could now be 15 October. Ideally the Cardiff black needs to be applied before cleaning and bakeout. This needs to be confirmed with Cardiff Black. (**ACTION 15**).

The parts are needed at RAL for clean and bake as soon as available, CBB to investigate sending batches to RAL for processing (**ACTION 16**).

**MGSE**

Both MSSL and RAL require the HOB simulator at the same time. It was reiterated that RAL will need to order a second HOB simulator to ensure that there is no delay to the current schedule (**ACTION 3**). CBB to send the latest issue 16 drawing on Friday 30 August (**ACTION 17**).

It looks like that the JFETs will have to be lifted at the same time as the main FPU during space craft integration. Need to produce a design for JFET lifting gear with the FPU – this needs to be discussed at the alignment meeting on 3 September, together with the proposal from LAM on the HOR plate. (**ACTION 12**)

## Integration

GMT from RAL to send quote for cleaning and baking. (**ACTION 18**)

RAL need a procedure for the vibration testing. MSSL will provide this and that BW will write it. It was felt that a meeting with the RAL test department would be necessary before the specification can be written. (**ACTION 19**)

The RAL MGSE parts are now available and are being fit checked, as well as the vacuum system is being checked. The cryostat is till set for delivery at the end of September.

## NCR

An NCR has been raised on the second photometer cover wall. This is coded as NCR-001. The recovery plan has been accepted by RAL on the basis that:

- It will be used for STM/CQM only.
- The recovery is a screwed on plate.
- No stray light or EMC issues raised and that MSSL are happy with solution on a structural basis. MSSL confirmed that they are.

The decision was taken to proceed with recovery plan and to send the NCR to RAL for signing off. (**ACTION 20**)

## Mass Thermal Dummies

CBB to quote for producing a fully assembled structure as use for a thermal mass dummy. (**ACTION 21**)

## Next Meeting

Next meeting is scheduled for Thursday 19 September 2002 at MSSL.

## Actions

Action Number	Name and Description	Owner	Date Raised	Progress	Deadline
2	Contact the subsystems and request realistic delivery dates	ES	18 July 2002	Dave has supplied to Eric required delivery dates by which the subsystems must deliver by. Eric will send these out	29 August 2002 <b>CLOSED</b>
10	Send CBB a copy of subsystem delivery dates and itegration plan	ES	1 August 2002		28 August 2002 <b>CLOSED</b>
11	Check who is	ES/CBB	1		19

	contracted to make the vibration plate. MSSL or RAL?		August 2002		September 2002
12	Discuss JFET lifting and LAM request for plate on FPU feet for a HOR	CBB	15 August 2002	To be discuss at the alignment meeting on 3 September at RAL	19 September 2002
13	MSSL to list what tools and clean room equipment is needed	CBB	15 August 2002	In Progress	19 September 2002
14	MSSL to provide vibration test procedure?	CBB	15 August 2002	BW will provide the vibration test procedure. Will need a meeting with RAL test department before hand.	19 September 2002
15	Confirm with Cardiff the actual sequence of when the Cardiff Black can be applied to the parts	CBB	29 August 2002		19 September 2002
16	Investigate when the parts can go to RAL	CBB	29 August 2002		19 September 2002
17	Issue ICD drawing issue 16	CBB	29 August 2002		30 August 2002
18	GMT to send hard copy of quote to MSSL for cleaning and baking so CBB can raise an order	GMT	29 August 2002		5 September 2002
19	Set up meeting with test department to discuss the vibration procedure	ES	29 August 2002		19 September 2002
20	Send NCR to RAL for signing off	CBB	29 August 2002		30 August 2002
21	Produce a quote for a complete structure for a thermal mass dummy	CBB	29 August 2002		5 September 2002