

RAL, 16 Oct. 2000

Present:

Colin Cunningham (On 'phone for 6)  
 John Delderfield  
 Trevor Dimbylow  
 Bruce Swinyard (Chair)  
 Ken King

**Agenda**

0. Actions
1. Reports from meetings
  - Technical meeting report and actions
  - EGSE meetings various
  - OBS meeting
  - Others?
2. Website
3. Livelink
4. Instrument schedule and what we do about it
5. ICC effort and the letter from Reidinger
6. November review preparation
  - BMS document
  - Document tree from JD
  - Format for the ICD review
7. Forthcoming meetings
8. AOB

**0. Review of outstanding actions from previous meetings**

Actions already closed in last minutes are deleted

No. PT-01-xx	Actionee	Description	Priority	Need and Date	Status
02	JD	Review framework and format for Instrument Design	High	For Systems Review. Outline doc. draft 30/10/00	<b>Open.</b> Revised date 30 Oct.
03	MJG	Revise and tidy up Science Requirements Document	Med	For Systems Review Final Issue 30/10/00	<b>Open</b>
04	JD	Digest the current interface control scheme and consult with Bruce and Colin on devising a more workable scheme	Urgent	Complete by 30/9/00	<b>Closed - SPIRE-RAL-PRJ-000033</b>
05	KJK	Produce revised Instrument Development Plan	High	For technical meeting Draft 30/9/00	<b>Open.</b> Information not in – new date 15/11/2000.
06	BMS/ MJG	Draft top level criticality analysis with emphasis on impact on scientific performance; OBS and degraded modes.	Med	For Systems Review Draft 30/9/00	<b>Open.</b> New date 15/11/2000
07	BMS	Request sub-system level criticality analysis for input	High	1/11/2000	<b>Open.</b> Raised at WE meeting

		into system level criticality analysis			
08	MJG	Raise parallel mode with Albrecht Poglitsch at November FST	Low	For Systems Review Draft response 20/11/00	<b>Open.</b>
10	MJG/ BMS /KJK	Write formal response to ISVR board report	High	Technical Meeting Draft 30/9/00	<b>Closed – but was the document submitted to ESA? MJG to make presentation on Oct. 11.</b>
14	MJG	Approach Albrecht Poglitsch; Thijs De Graauw and Thomas Passvogel about setting up another commonality meeting	Med	Information needed for Systems Review Set date by 30/9/00	<b>Closed action on ESA to do this.</b>
<b>No. PT-02-xx</b>	<b>Actionee</b>	<b>Description</b>	<b>Priority</b>	<b>Deadline</b>	<b>Status</b>
03	KJK	Ask Jerry Lilienthal to nominate parts proc. “user” at JPL	Med	Sept. 19	<b>Closed – Dustin Crumb</b>
04	KJK	Inform Technologica of SPIRE “users”	Med	Sept. 25	<b>Closed</b>
<b>No. PT-03-xx</b>	<b>Actionee</b>	<b>Description</b>	<b>Priority</b>	<b>Deadline</b>	<b>Status</b>
01	C Cara	Specify requirements on cryoharness needed for CEA detector electronics testing	High	31/10/2000	<b>Open</b>
02	BMS /MJG	Include Lionel Duband in systems review to give expert opinion to review board	Medium	Include in review plan	<b>Closed</b>
03	KJK	Arrange telecon between JLA and Jerry Lilienthal to discuss provision of GSFC BACUS to CEA	High	10/10/2000	<b>Closed</b>
04	BMS	Raise issue of two DRCU boxes with ESA	Urgent	for Tech meeting 11/10	<b>Closed</b>
05	JLA	Check whether 6 Litre cooler is compatible with PACS	High	16/10 Raise at PACS meeting 7/10	<b>Closed (e-mail of 5/10/2000)</b>
06	BMS	Ask Lionel to specify requirements on electronics for temperature regulation using pump heater	High	6/10	<b>Closed at WE meeting</b>
07	BMS/JD	Identify ICDs or parts of ICDs to be reviewed at Systems Review	Urgent	As part of plan for Review	<b>Closed</b>
08	BMS/JD/ CRC	Confer on system engineering responsibilities and draft short note to consortium	Urgent	6/10/2000	<b>Closed - appended</b>
09	CRC	Include discussion of EMC modelling on agenda for EMC videocon	High	16/10/2000	<b>Closed</b>
10	LV	Ask Louis Rodriguez why temperature regulation using pump heating is not	High	Answer needed for tech. meeting. 6/10/2000	<b>Open?</b>

		favoured (tomorrow)			
11	BMS	Write requirements document for the FPU simulator.	High	16/10/2000	<b>Open</b>
12	CRC	Ask LAM for estimate of the date by which the decision on which BSM option is needed	High	16/10/2000	<b>Open</b>

## 1. Reports from recent meetings

Technical meeting – minutes and actions are out

FCSS/EGSE Interface Meeting – main thing is that testing of the S/C simulator is going to be complicated. There will be a review of the EGSE project management on the 30//10/2000 to discuss further. Need to clarify and write down how our warm electronics gets tested (added in to DRCU simulator discussion in WE Summit)

**Action:** KJK/JD write warm electronics test plan.

OBS - DSP2010 will no longer be produced by Analog Devices. AD are stopping development of 2010 and Virtuoso and development boards. This is o.k. with IFSI as they will buy what they need now and after initial development phase will only need the compiler. It may also be possible that software pathes can be uploaded and not always the whole operating system. However SCOS2000 will need to be upgraded to allow software maintenance in this fashion. Ken has signed off the DPU(?) PA plan with reservations. There are still problems with the Packet Structure ICD.

## 2. Website

RAL will maintain the boring project bit – no further discussion.

## 3. Livelink

DMS will no longer be supported new system for document management is called Livelink – Ken will investigate the use of this and report next time.

## 4. Instrument Schedule

Postponed

## 5. ICC Effort

Letter from Goran Pilbratt and Johannes Reidinger sent to ICC managers (i.e. Trevor) and cc'ed to project managers. Whinge about not getting enough support to do the ESA end of the EGSE (the FIRST Common Software System) for delivery in October 2001. Not clear as to whom this was really aimed.

Anyway these points are to be made when Trevor replies:

- SPIRE ICC manpower is based on our responsibilities defined in the SIRD
- ICC not managed by ESA
- We're not sure that we have the right skillset in the available effort – we are addressing this by taking on new people and tarining.

An ICC development plan will be available at the end of November and will include what we are doing for FCSS. There will be a JAVA course for ICC people in early November.

**Action:** TGD write a formal response to Reidinger letter

## 6. November Review/Document Tree

The system review plan was accepted.

Colin: Should add micro-vibration tolerances to mechanical ICDs. Question is – how do we test it?

Decided that ICDs should follow the sub-systems as identified on the left hand side of the interface diagram. This diagram is still valid as all the interfaces still exists – it does need updating though. KJK will propose a system for configurable item control – basically everything will go to the project office and only be updated on the official document system when approved by the CCB.

At the interface review we will follow the suggestion in the BMS document with the additional qualifier that any ICDs or systems issues still open must be presented with a clear plan showing the impact of them staying open and how they will be dealt with. BMS will update the review document accordingly.

**Action:** KJK issue document detailing how configurable items will be handled following review.

**Action:** BMS revise plan for ICD review (only) and re-issue

## 7. List of forthcoming meetings

Meeting	Date	SPIRE attendance
Warm electronics and operations (RAL)	18-20 Oct.	Various
Ground Segment Workpackages meeting	18 Oct.	ATC
ICC URD and ORAC Demo (ATC)	19, 20 Oct.	TGD, NT, SS
FIRST/Planck EMC and Power Meeting (ESTEC)	26 Oct.	CRC/JD
SPIRE Systems and Interface Review (RAL)	22-24 Nov.	Many

CNES review of FIRST

ESA want meeting on Oct. 30 on S/W Project Management plans for the Ground Segment and ILT testing (deliverables and timetables). Another meeting in Rome Oct. 12 to discuss work packages and implementation.

## 8. AOB

Pierre Estaria wants to re-write the SIRD and needs comments on the current issue in 2/3 weeks.

KJK thinks we haven't properly reviewed the ideas for the implementation of the ICC – he's concerned that the consortium doesn't understand what its about. We need to present the Ground Segment design to the consortium – maybe need a consortium meeting in December?

**Action:** KJK/JD/BMS Review and comment on the current version of the SIRD –send comments to TGD

## 9. Summary of actions

No. PT-04-xx	Actionee	Description	Priority	Deadline	Status
01	KJK/JD	write warm electronics test plan	High	?	Open
02	TGD	write a formal response to Reidinger letter	High		Open
03	KJK	issue document detailing how configurable items will be handled following review.	High	For systems review 15/11/2000	Open
04	BMS	revise plan for ICD review (only) and re-issue	Urgent	4/11/2000	Open
05	KJK/JD/ BMS	Review and comment on the current version of the SIRD –send comments to TGD	High	4/11/200	Open