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**Minutes : Common EGSE meeting #22**


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Present : PACS Otto Bauer (Chairman) ohb@mpe.mpg.de  
 SPIRE Ken King K.J.King@rl.ac.uk  
 HIFI Luc Dubbeldam (minuteman) L.Dubbeldam@sron.nl  
 LFI Claudio Meregalli cmeregalli@batman.laben.it  
 ESTeC Bryan Melton Bryan.Melton@esa.int,  
 Serge Valera Serge.Valera@esa.int  
 Johannes Riedinger Johannes.Riedinger@esa.int  
 Kevin Galloway Kevin.Galloway@esa.int

Date : 1 July 2002

Place : ESTeC

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**Agenda:**

1. Minutes and Action Items from last meeting
2. EGSE-DPU/ICU testing at IFSI
3. CDMS-sim, use of ESTeC simulator
4. SCOS-2000 / TOPE
5. EGSE-CCS
6. Next meeting / telcon
7. AOB

**1. Minutes and Action Items from last meeting**

Ken will redistribute MOM 21 with comments from Otto

Action	Actionee	Description	Due Date
EGSE#09-06	Otto	Provide CDMS Simulator SOW	Closed
EGSE#09-07	Otto	Provide Letter of Understanding of the EGSE WG	Closed
EGSE#19-04	Serge	To distribute SPR template	31 July 02
EGSE#20-03	Otto	Talk to Th.Passvogel about EGSE/CCS Meeting between all parties	Closed
EGSE#21-01	Serge Erich	to discuss the mechanism for combining the ESTEC and MPE updates to SCOS before distribution	Closed
EGSE#21-02	HIFI PACS SPIRE	to provide updated/new user manuals for each EGSE component	19 July 02
EGSE#21-03	Otto	to provide draft documentation of the baseline EGSE configuration	15 July 02
EGSE#21-04	HIFI PACS SPIRE	to provide comments on inconsistencies between the new naming convention and SCOS	Close Close 2 July 02
EGSE#21-05	Chris	To distribute document on EGSE Interface requirements specification (ASPI 121)	closed
EGSE#21-06	Bryan	To summarize his questions on the role of instrument EGSE in IST in an email	closed
EGSE#21-07	Serge	Investigate cost if iLOG	open

**Notes**

- EGSE#21-01 The distribution of test-control will not be taken over by ESA. PACS, c.q. Erich keeps responsibility on distributing TOPE.
- EGSE#21-04 These information would serve as input for CDMS wg July 3<sup>rd</sup>.

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## 2. EGSE-DPU/ICU testing at IFSI

Nominal & burst mode works

Fast mem-load does not work, IFSI requested other Buslist

Mem can be loaded without *corrupting* the EEPROM first.

A bug was found in HK-card. This has implication of acceptance and delivery-schedule

Acceptance failed. Delivery of PACS DPU delayed to September 2002.

## 3. CDMS-sim, use of ESTeC simulator

ESTeC testbed will be discussed on July 3<sup>rd</sup>.

## 4. SCOS-2000 / TOPE

New version is available "beginning of July". There are a few delays.

ESOC gets new version 20 July from TERMA. Must be Quality Controlled, accepted, etcetera (two weeks), EGSE components added. Worst case estimation is that it can be delivered on Aug 5<sup>th</sup>.

ESOC delivers to Instruments,

Serge delivers EGSE components

EGSE#22-1. Serge to summarize the flow of actions to be taken to get the next version of SCOS-2000 (2.3) running

Serge will make a Minimum database for version 2.3

There is progress in the field of memory patching.

EGSE#22-2. Otto will make sure that the information on patching will be distributed to HIFI/SPIRE

## 5. EGSE-CCS

### ***Results of meeting with project on June 6***

Bryan:

This was mainly a project-internal meeting.

Two important issues:

- The PIPE protocol (document H-P-ASPI-IS-0121)
- EGSE wg is *the* forum of EGSE issues.  
Ken if that is so: then why is Alcatel not in this wg?

Johannes remarks:

- Technical issue of changing interfaces is solvable.
- Principle of Industry unwilling to depend on Instrument-EGSE

### ***HCSS-CCS connection***

Main point of concern: We need a short turn-around time. Considered the short time for instrument-testing (two weeks) we can not afford to spend long periods to load adapted procedures.

How can we start a completely new test-sequence? Or how can we run a new memory upload?

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HCSS sends TC to test-control with time-information and OBS-ID. HCSS generates TC-Ids. Where we have a direct connection between our instruments and the HCSS during ILT, this is almost completely absent during IST.

How to give values to parameters in an interactive way?

How to change the relative timing?

Bryan proposes to parameterize the test-procedures. Pass parameters real-time from HCSS to CCS, parameter lists including relative timing, TC-Ids, OBS-ID and the command-parameters.

***Test philosophy:***

Functional tests can be carried out without Instrument-crew.

Detector performance test must be done only with Instrument-crew present

Authorisation to start and continue will be given based on both HK and QLA-data.

As soon as Science data interpretation is required Instrument-people must be present. An Industry-operator may be allowed to interpret HK-data.

How does Instrument EGSE expect TC-history? There is an ICD.

Is TC-history required real-time? Yes, this is required for a meaningful interpretation at RTA or QLA.

***PIPE (Layer between CCS and router. )***

The Herschel instruments never planned to implement anything towards PIPE. The Router-protocol is the only one mentioned in the IIDs.

Claudio: LFI has planned to implement the PIPE protocol, but not who and when.

Who can make (design & code) the connection between PIPE and router? The PIPE-Router connection seems to be closely related to the Router and EGSE-Interface. As these modules have been written by Albrecht de Jonge and clearly work in an excellent way, it is logical to ask Albrecht to assess the amount of work involved.

Luc remarks that answering this question does not automatically mean that the actual work will also be done by him.

EGSE#22-3. Luc to ask Albrecht to assess the amount of work to write a PIPE-router interface.

Contact Bryan, if needed.

EGSE#22-4. Bryan to find out a reasonable need-date to deliver Instrument-EGSE to integrate with CCS

***TERMA PDR documentation***

Bryan: This should have been distributed already, but will be sent around in the next few days.

***Conclusions***

Technical issues seem solvable but an issue of great concern is the difference in attitude of the CCS-contractor with respect to the Instrument teams'.

If these difference in philosophies can not be ironed out in a cooperative way, we will certainly encounter major delays during the IST phases.

The discussion is not concluded yet. To be continued...

## 6. Next meeting / telcon

A meeting: Sept 24 in Groningen 13h00.

## 7. AOB

Nothing

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