
Minutes : Common EGSE meeting #5

Present	: PACS	Otto Bauer (Chairman)	OHB	ohb@mpe.mpg.de
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	: ESOC	Stephane Veillat	SV	sveillat@estec.esa.nl,
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Date : 6 Sept 2000

Place : ESTeC

Agenda:

- 1. Opening of meeting and the adoption of agenda**
- 2. Approval of Minutes of previous meeting**
- 3. Action items**
- 4. Status**
 - 4.a. SCOS-2000
 - 4.b. TEI
 - 4.c. Test control
 - 4.d. CUS
 - 4.e. Use cases
- 5. EGSE URD**
- 6. Transfer layer protocol**
- 7. Support by ESTeC**

1. Opening of meeting and the adoption of agenda

Add to agenda:

- Rik presents requests from FGSSE to this meeting
- prepare sheets for FGSAG (at AOB)

The number of participants of this meeting is larger than expected. This must be considered as a surprise, with no obvious reason. Notice that the Common EGSE working group is formed by the participants from the Instrument teams. The ESA people are welcome visitors to this meeting and their contribution is highly appreciated.

2. Approval of Minutes of previous meeting

Minutes of Common EGSE meeting #4, (15 June 2000) are approved. No comments.

3. Action items

All actions closed, except:

EGSE#3-4 Put SCOS-2000 evaluation report on DMS. This action-item moves to AH

EGSE#4-10 PRR to provide a piece of text explaining how the FINDAS requirements will be implemented. Due 23 June, 2000

EGSE#4-12 All to review EGSE URD and make comments. (renumbered to EGSE#5-2)

4. Status

4.a. SCOS-2000

HIFI: Software is complete (SCOS-2000, Object Store, Orbix) and a SUN Ultra 10 is available. Installation is not complete, yet.

PACS: OHB has bought two SUN ultra 60's. These are available to test DPU + SC IF. One SUN will be brought to IFSI in spring 2001.

WINFOPS has been installed

Database editor: agreement is signed but software did not arrive yet.

SPIRE: signed the required licence agreements with ESOC. Will buy hardware next month.

4.b. TEI

HIFI: AdJ has worked out a proposal to connect test-equipment to SCOS-2000 and the Spacecraft simulator.

AdJ shows a computer that he plans to use for TEI. (it is only half the size of a shoe-box.) Refer to www.eurotech.it.

BM is surprised that we are solving problems for which ESTeC has a complete solution available. This will be discussed later.

PACS has not spent time on TEI due to lab-move. PACS don't expect to come up with new requirements in AdJ's note on TEI. Design of the test-cryostate is ongoing.

First action for TEI is switch on Power-Supply.

SPIRE has been studying the Cluster TCP-IP protocol.

SPIRE want to setup TEI "stand-alone", so the Test-equipment can be operated without the presence of SCOS-2000

4.c. Test control

HIFI: nothing to report

PACS: playing around to test if WINFOPS is suitable. Probably not as comfortably as ISO-TC, but who knows... ISO-TC is expected to have more flexibility to react on instrument status, but the information about the WINFOPS, Tcl/Tk is missing to make a comparison. BM thinks that the Tcl/Tk tool has the same flexibility.

SPIRE: expresses concern about training engineers to use TC, SCOS, DBE etc.

4.d. CUS

SV: CWG and FGSSE need a common understanding. We should work on the definition of the interface between EGSE and the Common System. In this terminology CUS should not be considered as part of EGSE.

During the meeting we notice several times that we use the same words for different things. So there are different ideas about what is considered to belong to EGSE.

4.e. Use cases

JR: there is an operations scenario and ILT scenario, issue 1.

Again we need a common understanding but there are problems to follow discussions, to understand the terms and jargon and to comprehend the variety of five-character-acronyms. This is of course related to the question if we have the same feeling about the scope of this working group. Another problem is that the instrument teams are normally one month behind the FGSSE in reading their documents.

The question is raised what is the relation between EGSE-URD and UC+DM. This is discussed later.

5. EGSE URD

SV: There are four phases: ILT, IST, in orbit and Post mission

FCSS plays a role in all missions, EGSE-ILT only in ILT-phase. During IST, the EGSE will be replaced by CCE, during in-orbit phase by the MOC

RH presents viewgraphs on two documents: FGS design description (FGS-DD) and Interface requirements (FGS-IRD). Viewgraphs are attached to the minutes.

The FGSSE requests the EGSE-teams to review the FGS documents to ensure their completeness.

KK want the FGSSE to ask the Instrument teams, too, to review these documents. This will be done at the GSAG, tomorrow.

SV want the EGSE-URD to be rescoped

Action items:

- EGSE #5-1 EGSE teams to review these two documents FGS-DD and FGS-IRD and to send comments Due date 29 Sept
- EGSE #5-2 EGSE teams to review EGSE URD and send comment to KK. Due sept 18.
- EGSE #5-3 EGSE teams to mark requirements in the EGSE URD that should be copied to the FCSS-URD
- EGSE #5-4 EGSE teams to mark requirements in the FCSS documents to indicate priority. What is required at ILT?
- EGSE #5-5 EGSE teams to review the FCSS use cases document. Indicate priorities for ILT. Especially review use cases specific for instrument and ILT.
- EGSE #5-6 KK issue draft 3 EGSE URD. due sept 26

The documents will be reviewed during the FGSSE meeting on 9 and 10 Oct. This meeting will be at ESTeC and starts at 14.00

We agree to include requirement for FINDAS, QLA, CUS etc in the EGSE URD with references to the relevant documents.

Requirements that originate from the EGSE URD and appear in the FCSS URD will be marked with their origin.

6. Transfer layer protocol

ST: version 1 of the PS-ICD has been issued a few days ago, and contains the transfer-layer protocol as an annex. There are still TBDs but according to ST these are irrelevant options to be specified by the Prime contractor.

(ST: use the correct name, it is no high-level or low level protocol)

7. Support by ESTeC

The Project has offered 5 manmonth support for EGSE issues.

Issues where we can use this support for are:

1. TEI
2. data de-compression in SCOS-2000
3. implementation of transfer layer protocol

BM: ESTeC can not offer support for development. We can benefit from their experience with PROBA to interconnect equipment and SCOS. ESTeC have no experience with the data decompression inside SCOS, but there may be options at ESOC.

AH this support was only meant for advisory issues.

EGSE #5-7 LD: Organize meeting to discuss the use of this support. Meeting will be held at ESTeC, sept 20 9.00 in room Na213.

LD will prepare the agenda of this meeting with Per Hemso on 14 Sept.

OHB: the implementation of the TLP is a serious problem. The instrument teams do not have the manpower/knowledge to do this in time. Issue will be raised at FGSAG.

ST tries to get the ESTeC groups for EGSE and OBDH available for test activities for an independent protocol simulator. However, an independent testbed does not help us out, without an implemented protocol to test...

Action items

Item	Whom	What	When
EGSE#3-4	AH	Put SCOS-2000 evaluation report on DMS	23 June
EGSE#4-10	PRR	to provide a piece of text explaining how the FINDAS requirements will be implemented	
EGSE#5-1	EGSE teams	to review these two documents FGS-DD and FGS-IRD and to send comments	29 Sept
EGSE#5-2	EGSE teams	to review EGSE URD and send comment to KK	18 Sept
EGSE#5-3	EGSE teams	to mark requirements in the EGSE URD that should be copied to the FCSS-URD	
EGSE#5-4	EGSE teams	to mark requirements in the FCSS documents to indicate priority. What is required at ILT?	
EGSE#5-5	EGSE teams	EGSE teams to review the FCSS use cases document. Indicate priorities for ILT. Especially review use cases specific for instrument and ILT.	
EGSE#5-6	KK	To issue draft 3 EGSE URD.	26 Sept
EGSE#5-7	LD	To organize meeting to discuss the use of ESTeC support.	