

Minutes : Common EGSE meeting #30

SPIRE-PAC-MOM-001722

Present : PACS Otto Bauer (Chairman)
Erich Wiezorrek
SPIRE Ken King
Sunil Sidher
HIFI Luc Dubbeldam (minuteman)
LFI Chris Butler
ESTeC Johannes Riedinger
Kevin Galloway
Alcatel Félix Chatte (guest)
Date : 3 June 2003
Place : Telcon

1. Minutes and Action Items from last meeting

Action	Actionee	Description	Due Date
EGSE#23-03	Otto	Provide EGSE-CCS integration plan	20 June 2003
EGSE#27-03	Otto	When IFSI have provided a DPU/UCU Spacecraft Interface Acceptance Test Plan, Otto will organise a telecon (Instruments + Stefan Theurey)	20 June 2003
EGSE#28-01	Serge	To circulate the Siemens' report on feasibility of implementing Option 4 from the TOPE meeting	20 June 2003
EGSE#28-04	Felix	To check whether it is confirmed that it would be possible to use CCS/light to test the implementation of the PIPE protocol	20 June 2003
EGSE#28-06	Bryan	To clarify if ESOC can deliver 14 ILOG licences (PACS:5 SPIRE:5 HIFI:4)	20 June 2003
EGSE#29-01	Erich	Send PIC.dat file to Felix	closed
EGSE#29-02	Kevin	Send instrument MIB's to Felix	closed
EGSE#29-03	Luc	Check if Albrecht can do PIPE implementation in July	closed
EGSE#29-04	Bryan, Felix	Comment on PIPE SoW from Luc	closed
EGSE#29-05	Felix	Confirm date of CCS/light availability and make sure that time will be set aside for IEGSE integration	20 June 2003
EGSE#29-06	ICC's	Agree on IEGSE H/W configuration and who will provide first set	closed
EGSE#29-07	Felix	Raise SCOS version problem to Project level	20 June 2003
EGSE#29-08	Bryan, Serge	Find out status of MIB Tailoring Notes	20 June 2003
EGSE#29-09	Bryan	Find out if and when LOGICA patch will be permanent	20 June 2003
EGSE#29-10	Felix	Provide OBSM questionnaire to ICC's	20 June 2003

Notes with respect to Action-Items:

- EGSE26-03 with probably be closed in Cannes, DMWG #15, 5 June 2003.
- EGSE#29-04 Félix has responded, but the questions explicitly asked to industry have not been answered. AI closed to avoid accumulation. See Agenda Item (2).

2. Report from IEGSE hardware telecon

The three instrument teams have reached agreement on how to build the IEGSE. This will be according to Ken's note EGSE for IST.

Specification of SCOS-PC: Intel Pentium IV, 2GHz, 500 MB RAM, adequate IDE disk

Specs of QLA machine and data server TBD.

If possible CCS-lite will be installed on a machine at SRON. This would enable the development of the PIPE-GW and the first integration with SCOS-2000 and HCSS. Luc reports informal agreement with TERMA-Leiden to install HPCCS shortly after the HPCCS-Acceptance-test in week 25.

The EGSEwg welcomes the progress in this field but is hesitant to rely on informal agreements.

EGSE#30-1. Luc to write an e-mail to Félix with the request to formalize these agreements.

EGSE#30-2. Félix to contact whomever appropriate at Project or Industry to formalize these agreements. Date 16 June

If we can make some progress in the second half of June, a complete EGSE-chain could be available in July. Johannes mentions that HCSS 0.1.3 is available now. This will be replaced by 0.2 later

Otto will contact Project about the question how many IEGSEs are required. If possible the instrument teams would avoid the delivery of the FM-system.

EGSE#30-3. Otto to arrange with Project that one IEGSE system is sufficient. End of June.

3. CDMS sim

There is a problem during startup of the DPU/ICU, which is resolved by an off/on cycle of the BC.

It is not clear whether the problem resides in the DPU/ICU or in the simulator.

Ken: possibly the first TM-packet at startup and the first TM-packet of the application SW have the same TM-packet transfer request-description. This latter is interpreted by the CDMSSim a packet already transferred and therefore ignored.

This is under investigation by RAL.

PACS has implemented corrections in bus-profiles. The same correction can be done for HIFI and SPIRE

EGSE#30-4. Erich to distribute the corrected busprofiles.

4. SCOS timing jitter

Erich reports a time jitter in the command-release time. When a series of TCs is sent to the multiplexer at a constant rate (eg 0.3 s) the commands will be released at intervals between 0.2 to 1.5 s.

(Of course there is somewhere some parameter that controls this jitter)

EGSE#30-5. Erich investigates this and reports on any result. June 13.

5. On board Parameter ID

Félix asks who is responsible for the naming convention of on-board parameter IDs.

As the issue is raised during the telcon, none of the instrument teams knows right-away the purpose of this ID or is aware of using it.

The parameter-ID can be used for defining new HK reports (PS-ICD, service 3) and for on-board monitoring (service 12).

In the DMWG the Instruments have indicated not to implement this part of service 3.

In the DMWG Industry has said that on-board monitoring was no available for the instruments. This, however is not indicated in the PS-ICD.

Industry is prepared to react on events, rather than monitoring parameters and react on OOL.

EGSE#30-6. Instruments: to confirm that they do not use the parameter-ID

6. Status of Action items:

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EGSE#29-10	Felix	Provide OBSM questionnaire to ICC's	20 June 2003
EGSE#30-1	Luc	to write an e-mail to Félix with the request to formalize the agreements between Instruments and TERMA.	closed
EGSE#30-2	Félix	to contact whomever appropriate at Project or Industry to formalize the agreements between Instruments and TERMA	16 June 2003
EGSE#30-3	Otto	to arrange with Project that one IEGSE system is sufficient	30 June 2003
EGSE#30-4	Erich	to distribute the corrected busprofiles.	13 June 2003
EGSE#30-5	Erich	to investigate SCOS-2000 command release time jitter and report on any result	13 June 2003
EGSE#30-6	PACS SPIRE HIFI	to confirm that they do not use the parameter-ID	30 June 2003