

Minutes of telecon held on 23rd July 2003 between RAL and IFSI

Distribution:

Participants: Renato, Riccardo, Sergio, Ken
Judy for filing

1. Actions Outstanding

From previous telecons:

Action IFSI-001: Ken to contact Swedes about operating the DRCU Simulator at 2.5MHz

Still Open - Christophe Cara is looking at the possibility of reducing the frequency to 1.25MHz for all subsystems

Action IFSI-006: Renato to issue note on the status of the DDR report recommendations

Still Open - Renato waiting for RIDs to cover comments on documents (KK to look at this)

From other (e.g. Project Team) meetings:

None

2. Open Issues

Memory Load Problem:

CGS have been at IFSI working on this problem. They have generated a new EPROM which works with the PACS and HIFI DPUs at IFSI,

but not the SPIRE DPU! IFSI suspect their SPIRE DPU may therefore have a hardware problem and will send a copy of the EPROM to RAL

for insertion into the AVM DPU to check if it works.

- The EPROM works in the AVM DPU at RAL

- IFSI have found that they can start their DPU if they do a software reset of the CPU

- CGS have tried to investigate this but have not found the reason for the problem - they have

incorporated this reset into the EPROM

so that after copying EEPROM to memory the CPU is reset.

ECR #4 (issue 2) was re-issued on 9th May.

Still waiting for formal go-ahead. The PIs and ESA are pushing ASI to co-operate

DPU testing:

CGS person is still at IFSI looking into errors writing to EEPROM - possible problems with interrupts

New version of EPROM has solved this problem (it takes less time and doesn't disable interrupts)

IFSI are not formally tracking H/W errors

Funding:

No news

Interface Testing

Agreed we will have to arrange a meeting between ESA, Alcatel and the instruments to discuss Theurey's comments on the I/F tests.

We should make sure that an 1553 expert attends the meeting other than Theurey. Also Planck people should attend as they

have the same interface.

Alcatel should attend and explain how they intend to test their interface.

Question: Has another satellite used the 1553 bus before? and how did the instruments test their interface?

Ken will talk to Otto and Kees about requesting such a meeting

Still open

IHDR

Comments received before the IHDR - Sergio will look at them
We await the board report

3. Schedule

PACS have agreed to swap delivery of their DPU with the SPIRE one. This will bring forward the SPIRE EQM delivery dated by about two months

IFSI can lend RAL the spare DPU - it has no DC/DC converter - if required to allow delivery of the AVM DPU to industry

Next telecon: 10th September 14:00 CET (IFSI is closed 11th-16th August)