

 FIRST/Planck Project	MINUTES OF MEETING	Date : 03/03/1999
		Ref : PT-MM-06454
		Page : 1 of 4

SUBJECT: Commonality Working Group 1-2 meeting

PLACE: ESTEC Room Ea112 starting at 09:00 hrs.

Participants	Organ.	Distribution
R. Pons	CESR. Toulouse	As per SA-DMS-FIRST/Planck
J-L. Beney	LAL. Orsay	R. de Marino.
R.C. Butler	ASI. Rome	V. Riviere.
H. Feuchtgruber	MPE. Garohing	Ph. Armbruster.
R. Orfei	CNR/IFSI. Rome	
R. Cerulli	CNR/IFSI. Rome	
D. Beintema	SRON. Groningen	
H. Goulooze	SRON. Utrecht	
C. Cara	CEA/SAp. Saclay	
T. Passvogel	ESTEC	
H. Schaap	ESTEC	
R. de Marino	ESTEC	
V. Riviere	ESTEC	
Ph. Armbruster	ESTEC/TOS-ETD	

AGREEMENTS STATEMENTS	ACTION
<p>The meeting followed the agenda as in PT-06427 (Attachment A1-A2) For practical reasons items 3 and 4 were covered first and appear in this order in the minutes of meeting.</p> <p>1. Introduction</p> <p>H. Schaap circulated a list of ESA and Instrument Team staff involved in the activities of CWG 1 and 2, showing their names, email addresses and phone/fax numbers, for verification of correctness. (Attachment B)</p> <p>3. Microprocessor specifics.</p> <p>V. Riviere presented the current status on microprocessors and OBDH interface componants, available for use in the FIRST/Planck instruments (Attachment C1-C5)</p> <p>Ph. Armbruster presented the current status on S/W development tools for the TSC21020F DSP (Attachment D1-D4) as well as issue 3 of the Space DSP news letter from Daimler-Benz Aerospace with information on the TSC21020E DSP (Attachment E1-E4)</p> <p>It was agreed by the group that for reasons of commonality the TSC21020 should be selected as baseline, however for DPU applications this is understood to be much more powerful than</p>	



AGREEMENTS STATEMENTS	ACTION
required for the task.	
For the TSC21020 the VIRTUOSO Operating System is available. It was generally felt that it would certainly be beneficial to use an OS, rather than to develop all necessary software from scratch.	
All instrument teams will confirm the decision on this type of microprocessor in the coming months.	
4. Parts Procurement.	
T. Passvogel and H. Schaap presented the viewgraphs on possible ways of procuring common instrument parts(Attachment F1-F6), prepared by M. van Hoegen, in his absence.	
Basically two versions were presented, i.e. one with and one without the involvement of a Prime Contractor.	
Because of the fact that it will be a while before a Prime Contractor comes on-board, it is expected that procurement will have to be done for the instruments in advance.	
HFI showed a viewgraph on the lay-out of their parts list (Attachment K1). After subsequent review by M. von Hoegen it appeared that some information was missing. Please refer to para. 2.4 of ESA's ECSS-Q-60A, issued 19-04-1996 for information detail. A page of the Rosetta Preferred Parts List has been included for clarity (Attachment K2). Please note also the info contained in attachment J3.	
It was agreed that all Instrument Teams would submit their list of required parts.	AI-CWG-1
Since LFI are not in possession of an example of a Preferred Parts List it was agreed that the Rosetta List would be sent.	AI-CWG-2
To assist in determining the radiation requirements on FIRST/Planck, a document assessing the FIRST L-2 Radiation Environment will be placed on the SA-DMS for consultation.	AI-CWG-3
2. Identification of S/C interfaces.	
H. Schaap presented the viewgraphs on this item (Attachment G1-G13)	
In the area of OBDH interfacing, HFI and the IFSI representatives would have some preference for an RTU-based interface.	
The principle of interfacing through a DBI/RBU to the OBDH bus	AI-CWG-4



FIRST/Planck Project

Action Item Initiation Sheet

Date : 03/03/1999
 Ref : PT-MM-06454
 Page : 1 of 3

Title: SUBJECT: _____
 Place: _____

Ordinal Action Number	Title and Description	Due Date	Originator		Actionee		Completion	
			Firm	Person	Firm	Person	Date	By Document No.
AI-CWG-1	Submit list of needed common parts	28-05-'99	ESA	H. Schaap		All teams.		
AI-CWG-2	Send example of Preferred Parts List	19-03-'99	LFI	C. Butler	ESA	H. Schaap	08-03-'99	Snailmailed to C. Butler. Status: Closed
AI-CWG-3	Place Radiation Environment on the SA-DMS for consultation.	19-03-'99		All teams	ESA	H. Schaap	08-03-'99	Doc. placed in SA-DMS Status: Closed
AI-CWG-4	Inform CWG on the principle of DBI/RBU interfacing to the OBDH bus.	19-03-'99		All teams	ESA	H. Schaap		
AI-CWG-5	Confirm date and location of specific meetings on AOCSS issues.	15-03-'99		All teams	ESA	T. Passvogel		
AI-CWG-6	Arrange for a copy of the "AOCSS Pointing Error Handbook" for LFI	19-03-'99	LFI	C. Butler	ESA	H. Schaap	08-03-'99	Snailmailed to C. Butler. Status: Closed
AI-CWG-7	Confirm date of next meeting.	19-03-'99		All teams	ESA	H. Schaap		