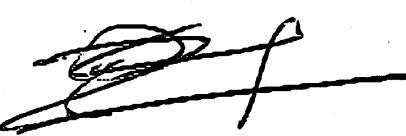



Herschel/Planck Project

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meeting date	9-10-2001	meeting place	ESTEC
chairman	S. Thuirey		
copy participants	+ DATAMWG + J.M.C., A.E., J.B.		
subject	8th Data Management WG Meeting		

participants:		
Name:	Affiliation:	Signature:
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Dave Parker	RAL	
Ken King	RAL	
LUC DUBBELDAMI	SRON	
JOSE M. HERREROS	IAC	
S. Thuirey	ESA SCI-PT	

ESTEC

description	action	due date
<p>1) <u>Introduction (Presentation, Attachment 1)</u> AI 1 from last WG: closed, see Attachment 2</p>		
<p>2) <u>PS-ICD, Open points, Clarification:</u> see attachment 1, part 2</p>		
<p><u>2.1: modification of Instrument-SW:</u> PACS expressed a concern about the long average time needed (~ 6 months). They have considered to use several SW-updates during the Commissioning Phase. Instruments are asked to provide an estimate of their total number of HK-parameters, in order to allow industry to size several CDMU requirements.</p>		AI 1, Instr. 19-10-2001
<p><u>2.4</u> Variable-length Parameter Fields: ESA recommends not to introduce any variable-length parameter fields in Telecommands.</p>		
<p><u>2.5</u> RAL-TN (Attachment 3): Alcatel will analyse the Message Slot allocation per Subframe and make a proposal for their use (instruments, other on-board units).</p>		AI 2, Alcatel 19-10-2001

description	action	due date
<p>- Packet Handshake (Attachments 3, 4): Currently the CDMS-Simulator is limited to a transfer each 3rd subframe, because of buffer-swapping (A\leftrightarrowB). (see also a H. 7, p. 77)</p>		
<p>- Alcatel will study, if Event-Bus messages can be defined to be of fixed length, 64 octets. If necessary, all modifications of requirements will be identified, and a DCR generated by Alcatel.</p>		<p>A13 Alcatel 19-10-2001</p>
<p>- Alcatel will also study the detailed timing of the SDB Protocol, and derive more detailed requirements, if necessary.</p>		<p>A14 Alcatel 9-11-2001</p>
<p><u>3) On-board Time Sync.:</u></p>		
<p>Instruments will investigate, if only the SDB Prot. features are sufficient for local time-setting (i.e. SA BR and Frame-Sync), and TC(9,4), TC(9,5) can be deleted.</p>		<p>A15, Instr. 19-10-2001</p>

description	action	due date
<p><u>4) SDB-Protocol:</u> Open points w.r. to Industry: Handling, timing of TM-packets with smaller length than max. during <u>Durst mode</u>.</p>		
<p><u>4.3 use of SA5T, 6T for</u> <u>fast messages:</u> Instruments are asked to check if there are <u>any</u> instrument TM-packets, which would need a reaction time $< 500 \text{ms}$. If yes, details should be provided.</p>		A16 Instr. 19-10-2001
<p><u>5. Subframe-Allocation, Bus</u> <u>Data Rates:</u></p>		
<p>Alcatel-Presentation: Attachment 5 All instruments are asked to provide a request for the number of subframes/sec, for all opera- tional modes.</p>		A17, Instr. 2-11-2001
<p>LFI and HFI are asked to define a common (agreed) approach for sharing the 200kpbs of Planck-Sci-data.</p>		A18, LFI, HFI, 2-11-2001