

Bill - This has been verbally concurred in by
Mr. Johnson. Suggest you use it for guidance,
a take the weekend off. I'll be in

U.S. Government		NASA	
MEMORANDUM			
Lyndon B. Johnson Space Center			
REFER TO: CB	DATE April 8, 1977	INITIATOR CB/JPKerwin:lmc:4/8/77:2421	ENCL
TO: SA/Director of Space Life Sciences		He crew leader if you need me (Lynn knows the phone #)	
FROM: CB/Joseph P. Kerwin		SIGNATURE Joseph P. Kerwin	
SUBJ: Crew Training for SMD III			
<p>At this writing, a meeting is due to be held this afternoon to determine readiness to proceed to phase training for SMD III. Task training has not been completed on six experiments due to late availability of hardware, and/or procedures which don't work on the hardware as installed, and/or unavailability of the Spacelab mockup for procedures development and training.</p> <p>In a development test of this nature, problems are bound to occur, and flexibility is necessary. But to date, most of the flexibility has been on the crew side. The result will be inadequate scientific data return from the experiments. We are seeing exemplified how difficult it will be to use flight hardware, during its integration into Spacelab, for crew training.</p> <p>I hope that some lessons will be learned, and applied, as a result of this test. Meanwhile, I would suggest the following groundrules be applied.</p> <ol style="list-style-type: none">1. In order to enter the test with a reasonably rested crew, training should be restricted to a 10-hour day, with nights and weekends reserved for real emergencies.2. Phase training should proceed, with task training catch up provided as needed within the above workday schedule. Training should take precedence over other activities during this phase.3. Prior to integrated "wet run" simulation, the training status of each experiment should be documented by the crew and mission scientist. At that time, a decision should be made either to:<ol style="list-style-type: none">a. Delete from the test those experiments on which hardware or training deficiencies exist; orb. Proceed with the experiments with the written statement that their performance is for engineering or timelining purposes, and that correct performance by the crew is not expected.			
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