

Minutes from December 16, 2002 MSFC PMC
Prepared by VS10/Rich Gladwin

DE01/Axel Roth chaired the meeting. Rich Gladwin reviewed the agenda. The agenda included two presentation items: (1) Findings from the Material Science Research Rack (MSRR-1) Independent Annual Review (IAR) and (2) Findings from the SOLAR-B Independent Implementation Review (IIR). Rich Gladwin presented the status of open actions. Action 2 from the 4-18-02 MSFC PMC was closed. Two other actions remain open.

VS10/Patrick McDuffee presented findings from the MSRR-1 IAR. The IAR Team summarized their 45 findings and observations into three significant summary findings. The first summary finding stated that the MSRR-1 organization and documentation does not demonstrate a clear line of authority. No one manager has responsibility for the total integrated payload performance. The IAR team recommended to restructure the project to provide clear lines of authority that are aligned with the roles and responsibilities followed by an update to the Project documentation. After discussing the project's organizational structure, an action was assigned for MSRR-1 to present its project structure to the MSFC PMC once the project's management implementation plan had been finalized and Project Plan was updated. The second summary finding stated that, "MSRR-1 Project has not received appropriate PMC approval for the current project scope as required by NPG 7120.5." The project agreed that a presentation to the MSFC PMC was needed and stated that they planned to return to the MSFC PMC in February 2003. The third summary finding stated that the master controller has demonstrated historical problems in design/development and it's ability to remain on schedule. Going forward, project management is expected to face challenges during the transition of development activities from an in-house effort to a new support contractor. A discrepancy between the Project's expected cost for the master controller and the independent cost estimate (ICE) also suggest a closer look at the master controller may be warranted. The IAR team recommended that a Red Team be established to focus on master controller development, integration, and testing, along with associated costs and schedules to limit risks to overall MSRR-1 success. The project did not agree that the Red Team was necessary. Tony Lavoie asked if master controller risks were accounted for in a risk management database. The project responded that the threats were not identified as cost risks. Note: As a point of clarification SD44/Charles Darby indicated after the PMC that two cost risks had been identified that were associated with the master controller. One of the risks has been closed. Action 1 was assigned to the MSRR-1 project to address all three IAR findings.

ACTION 1:

Assigned to: SD44/Charles Darby, MSRR-1 project manager

Action: Present to the MSFC PMC "Requesting the MSFC PMC for Commitment of Resources for the Implementation Phase" per MPG 7120.4. Address the concerns raised by the MSRR-1 IAR team which include defining the project's lines of management authority/responsibility, updating the MSRR-1 Project Plan, and assessing current risks associated with the master controller.

Due Date: 02/19/03

Next Bill Taylor presented the findings to the SOLAR-B independent implementation Review. Larry Hill presented the SOLAR-B response to the IIR findings. The first finding stated that schedule and cost risks have been identified by the project, but have not been quantified and that there may be insufficient funding to mitigate risks. Bill Taylor suggested a Monte Carlo simulation could be used to quantify the overall cost and schedule risks resulting from the numerous external factors (launch schedule, delivery of XRT optics, scheduling conflicts with XRCF and unpredictable technical issues). The project accepted the IIR teams recommendation to quantify risks and to identify the threats to existing funds. Axel Roth recommended that the SOLAR-B project consult with Rex Geveden regarding his experience in identifying and mitigating potential schedule risks. The second finding stated that, no plan has been established for the MO&DA phase of the project and that the project may not achieve its mission objectives. The project responded that the firm MO&DA plans require resolution of numerous issues. A steering group will meet in Jan-Feb 2003 to define MO&DA.

The meeting was then concluded.

Attendance for MSFC PMC
December 16, 2002

Name	Organization
<u>COUNCIL MEMBERS</u>	
Dave King	DD01
Axel Roth (for Art Stephenson)	DE01
Dale Thomas	VS01
Bill Simpson (for Dave Bates)	RS01
Denny Kross	TD01
Bill Kilpatrick	ED01
Tom Stinson (for Ann Whitaker)	SD01
Randy Humphreys (for Alex McCool)	MP01
Roy Malone (for Amanda Goodson)	QS01
Jim Carter (for Sheila Cloud)	AD01
Elaine Hamner (for Steve Beale)	PS01
Jim Carter (for Jim Ellis)	AD30
Jim Frees McGroary for (Bill Hicks)	LS01
Tony LaVoie (for Jan Davis)	
<u>OTHERS IN ATTENDANCE</u>	
Rich Gladwin (PMC Secretary)	VS10
Gerry Flanagan	VS10
Yolanda Harris	MP71
Pat McDuffee	VS10
Charlotte Talley	SD02
Dick Beranek	SD21
John Brunson	VS10
Neil Rainwater	VS10
Vernon Keller	SD21
Larry Hill	SD21
Marvin Nowlin	QS30
Bill Hicks	SD02
Greg Walker	CD20
Jerry Owens	SD21
Bill Taylor	STP IIR chairman
Jeff Jones	IPAO
Charles Darby	SD44
Tom Smith	SD44
Julie Bassler	SD44
Mysha Crouch	SD44