

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812



Reply to Attn of:

SD20 (00-002)

August 29, 2000

TO: DA01/A. G. Stephenson
THRU: AD33/Amanda Wilson *ajw*
FROM: SD20/Fred G. Sanders
SUBJECT: Request for Deviation/Waiver

Deviation/Waiver Number: MPG 8040.1-WAV01

It is requested that, in accordance with MPG 1410.2, SD20 requests approval for deviation/waiver from the requirements in MPG 8040.1, "Configuration Management, MSFC Programs/Projects."

Define the proposed departure from the requirements:

It is requested that the Microgravity Crystal Growth Demonstration (MCGD) project, specifically SD22, be permitted to control the configuration of the MCGD and related documents using their own internal process instead of the MSFC procedure.

Justification for the deviation/waiver:

The approach to designing, building and testing the MCGD flight hardware system has been tailored to accommodate the limited budget and manpower in accordance with the latest revision of MPG 8060.1.

Alternate approach to be taken:

Documentation to be used in lieu of the requirements include:

1. Risk Identification Matrix
2. Project Plan
3. Technology Demonstration Requirements Document
4. System Requirements Document
5. Interface Control Document
6. Schedule
7. Drawings controlled by the MCGD CCB. CCB Membership: Project Mgr, Systems Engr, Design Engr, S&MA Rep.

The MCGD CCB will approve the issue of standard drawing numbers. Any document or drawing assigned a number will be considered to be a controlled drawing or document and subject to change/redline approval and signature of the CCB. Paper copies of all

controlled final drawings will be held by the Project Manager who will serve as the repository until drawings pass through the MSFC release desk. The CCB will sign and date all controlled drawings and documents. Should any drawing or document require a redline change, the latest date of CCB signature will indicate the controlling iteration of that document/drawing. Drawings will be redlined and modified to reflect the "as built" final configuration of the flight hardware system. Before the hardware is to be shipped, all drawings will be submitted and approved by the MSFC Release Desk.

Applicability, impacts, and conditions (if any) of deviation/waiver:

This waiver applies to the design and development of the MCGD component of the SPASE project, which will be launched from the Space Shuttle by means of the Hitchhiker Ejection System.



Fred G. Sanders
Project Manager
Microgravity Crystal Growth Demonstration

Concurrence

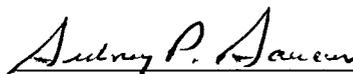


M. Frank Rose
Director
Science Directorate

8/29/00

Date

Approval:



A. G. Stephenson
Director

8-30-00
Date