

National Aeronautics and  
Space Administration

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



Reply to Attn of: SD40

April 10, 2003

TO: DA01/A. G. Stephenson  
THRU: AD35/MSFC Management Directives Manager  
FROM: SD40/Thomas N. Stinson  
SUBJECT: Request for Deviation/Waiver

Deviation/Waiver Number: MWI 1280.5D-WAV01

In accordance with MPG 1410.2, SD40 requests approval for deviation/waiver from MWI 1280.5D.

Define the proposed departure from the requirement(s):

The Microgravity Science Glovebox (MSG) facility requests departure from the requirement to access the GIPED ALERTS on this hardware. (The MSG was developed by the European Space Agency (ESA) for NASA and is already in operation on the International Space Station.)

Justification for the deviation/waiver (waivers must include references to any applicable nonconformance, discrepancy, or deficiency report(s)):

ESA remains responsible for sustaining engineering of the hardware. ESA does not have the resources to assess ALERTS against the MSG. ESA has no plans to provide NASA with the necessary parts traceability, schematics, and as-built drawings for NASA to perform an adequate independent assessment of MSG ALERTS.

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

This deviation request applies only to the ESA developed flight and ground MSG hardware. It does not apply to the payloads that fly inside the rack or any ancillary equipment developed by NASA in support of the rack. The facility has been designed so that a single component failure does not represent a safety hazard to the station or the crew. Additionally, the major subsystems were designed as Orbital Replacement Units (ORUs) that can be replaced in-orbit should a component failure occur.

Handwritten signature of Thomas N. Stinson.

Approved by:

Handwritten signature of A. G. Stephenson.

A. G. Stephenson  
Director

5/15/03

Date