

National Aeronautics and
Space Administration
Lyndon B. Johnson Space Center
2101 NASA Parkway
Houston, Texas 77058-3696



February 17, 2011

Reply to Attn of EA3-11-010

TO: NE141/Executive Officer, Payload Safety Review Panel
FROM: EA321/Project Manager, Alpha Magnetic Spectrometer-02 (AMS-02)
SUBJECT: International Space Station (ISS) Digital Data Recording System (DDRS)

Please find enclosed the Series/Reflight Assessment for the transportation of the AMS-02 ISS DDRS hardware to the ISS. This shipment of hardware will follow the partial compliment of component pieces that were/will be transported on STS-133/ULF-5. The baseline safety data package for the ISS DDRS considers this hardware in its nominal assessment, and the transportation of hardware on separate flights was accounted for in JSC 65944, "Flight Safety Data Package for AMS-02 ISS Digital Data Recording System (ISS DDRS)," dated October 2010. The only difference in the safety/processing of the hardware between the two groups of equipment is that there are separate sharp edge inspections for each flight.

Enclosed are the Series/Reflight Assessment, the Series/Reflight Safety Verification Tracking Log and the Certificate of Payload Safety Compliance.

In order to support distribution to international partners, the following export statement is provided:

"The AMS-02 payload has been reviewed by the Department of State and has been declared public domain data under ITAR (see ODTC Case CJ 015-01). The payload has also been reviewed by the Department of Commerce and has been categorized 1A999 (see CCATS# G026926), which allows free distribution of data to foreign nationals of all countries apart from North Korea, Syria, and Sudan. All data included in this package has been reviewed and found to be in the public domain."

The ISS DDRS SDP does not contain any proprietary material that requires any special handling controls.

If you have any questions or concerns, please contact me at (281) 483-3296 or trent.d.martin@nasa.gov. Or contact our Safety Engineer, Leland Hill at (281) 461-5701 or lealand.hill@escg.jacobs.com.

A handwritten signature in blue ink, appearing to read "Trent D. Martin".

Trent D. Martin

Enclosure