

# **Safety and Mission Assurance Agreement for the Space Science Enterprise**

**EXPIRED**

**January 2003**



## **1.0 Introduction**

This agreement defines the overall approach and the working relationships between OSMA and the Space Science Enterprise that support the implementation of policies and the fulfillment of responsibilities contained in NPD 8700.1. This agreement shall be revised as required, but shall be reviewed and renewed at least every 3 years.

## **2.0 Principles of Operation**

2.1 The Associate Administrator (AA) for SMA will provide safety, reliability, maintainability, and quality assurance (SRM&QA) policy direction for all Agency programs, projects, facilities, operations, and activities and functional leadership for the Center SMA organizations. In support of the NASA Enterprise AA, the AA, OSMA, will review, survey, and assess to ensure that NASA programs and projects have implemented appropriate practices for SMS and that there is an appropriate and effective mechanism to properly identify and disposition risks for all NASA programs, projects, facilities, and activities.

2.2 The AA for the Space Science Enterprise is accountable for the SMS of all Enterprise programs, projects, facilities, operations, and activities. The Space Science Enterprise AA will provide the programmatic executive leadership to ensure Agency SMS policies, plans, techniques, procedures, and standards are implemented throughout the Enterprise and that risks that negatively impact SMS are properly dispositioned.

## **3.0 Roles and Responsibilities**

### **3.1 Enterprise Responsibilities**

The AA for the Space Science Enterprise will:

3.1.1 Accept accountability for the SMS of all Enterprise programs, projects, facilities, operations and activities. With the assistance of OSMA, the Enterprise AA will conduct formal and informal reviews to ensure requirements of NPD 8700.1 are met within the activities of the Enterprise.

3.1.2 Review and approve the Enterprise Center's SMA Annual Operating Agreement (AOA) when provided to the Enterprise by OSMA.

3.1.3 Facilitate the active participation of the OSMA Enterprise Liaison in Enterprise weekly staff meetings, monthly tag-ups, program/project reviews, and visits to Enterprise Centers and/or other facilities as may be appropriate.

3.1.4 Ensure that adequate resources are available to support the SMS and SMA requirements established by NPD 8700.1 for programs, projects, facilities, and operations. SMA resource requirements will be documented within a Center's SMA AOA.

## **3.2 OSMA Responsibilities**

The AA, OSMA will:

3.2.1 Provide the SMA functional leadership that promotes the safe accomplishment of NASA missions as one of NASA's core values and in accordance with NPD 8700.1.

3.2.2 Provide the NASA Administrator with input to the annual performance evaluation of the Enterprise AA.

3.2.3 Provide annual performance evaluations of the Enterprise Center Directors and Center SMA Directors for the use by the Enterprise AA.

3.2.4 Consider the Center SMA Director as the focal point for all SMA matters at a Center.

3.2.5 Designate an individual from OSMA as an Enterprise Liaison to serve as the day-to-day point of contact with the Enterprise. The OSMA Enterprise Liaison will serve as the matrixed "Safety Officer" for the Space Science Enterprise. In this role, he will provide advice and counsel to the Enterprise AA on SMA-related matters, and will also provide special technical studies of SMA-related issues upon request of the Enterprise AA.

3.2.6 Assess Enterprise programs, projects, facilities, and operations for compliance with Agency SMS policies and requirements and report the results to the Enterprise AA.

3.2.7 Review for concurrence, the Center-developed SMA AOA's. The AOA's will be forwarded to the Enterprise for review and approval, subsequent to OSMA review. The AA, OSMA's signature on an AOA will indicate that all applicable SMA requirements have been adequately addressed. OSMA will coordinate with the Enterprise to resolve any SMA issues or shortfalls identified in a Center's AOA. The AOA will be used as a basis for conducting Process Verifications

(PV) of a Center's SMA program. PV's will review the Enterprise and Center(s) SMA processes to ensure compliance with NPD 8700.1 requirements.

3.2.8 Establish review processes to certify the safety and operational readiness of flight hardware/software, mission critical support equipment, hazardous facilities/operations, and high-energy ground-based systems. OSMA or a designated Center SMA person will lead these review processes. OSMA will assure the active participation of the Enterprise SMA Liaison or other Enterprise designee(s) in these review processes.

3.2.9 Assist the Enterprise in the investigation, analysis, and reporting of NASA mishaps.

3.2.10 Designate a person to serve as a functional liaison for individual Centers. The Center Liaison(s) will track Center SMA issues, monitor performance metrics, serve as a technical consultant as necessary, assist in SMA performance planning with the Center, and develop SMA input for inclusion in annual performance evaluations of the Enterprise AA, the Center Director, and the Center SMA functional managers as provided by the AA, OSMA.

3.2.11 Assure that adequate resources are available to support OSMA obligations under this agreement.

3.1.12 Manage its R&D budget for the development of SMA technology to support both Agency and Enterprise activities.