

**Safety and Mission Assurance
Agreement
for the
Space Flight
Enterprise**

EXPIRED

Foreword

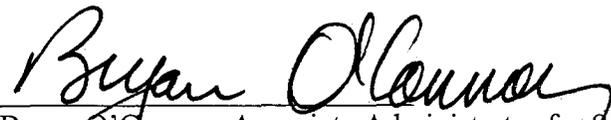
It is NASA policy to protect the public, astronauts and pilots, NASA workforce, and high-value equipment and property from potential harm as a result of NASA activities and operations by engendering a management culture that insists on safe programs, technologies, operations, and facilities, and protecting the environment. It is also NASA policy to hold NASA leaders, managers, supervisors, and employees responsible for safety and mission success within their functional areas. NASA Policy Directive (NPD) 8700.1 establishes safety and mission success policies and defines the requirements and responsibilities that implement these policies. NPD 8700.1 is incorporated into this agreement by reference.

This Safety and Mission Assurance (SMA) Agreement between the Office of Safety and Mission Assurance (OSMA) and the Office of Space Flight (OSF) establishes the overall approach for how the OSMA will work in concert to satisfy NASA safety and mission success policy.

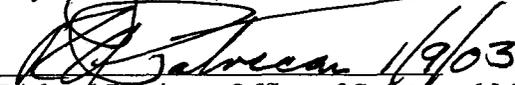
Signatures:



William Raddy, Associate Administrator for Space Flight



Bryan O'Connor, Associate Administrator for Safety and Mission Assurance



Richard Patrican, Office of Safety and Mission Assurance Liaison to Space Flight Enterprise

1.0 Introduction

This agreement defines the overall approach and the working relationships between OSMA and the Space Flight Enterprise that support the implementation of policies and the fulfillment of responsibilities contained in NPD 8700.1, "NASA Policy for Safety and Mission Success." 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 for Safety and Mission Assurance (hereinafter referred to as the AA for SMA) will provide Safety, Reliability, Maintainability, and Quality (SRM&Q) and Risk Management (RM) policy direction for all Agency programs, projects, facilities, operations, and activities and functional leadership for the Center SMA organizations. In support of the Space Flight Enterprise, the AA for SMA will review, survey, and assess OSF programs and projects to ensure that appropriate practices for safety and mission success are implemented. This effort will assure that there are appropriate and effective mechanisms to properly -identify and disposition risks for all Space Flight Enterprise programs, projects, facilities, and activities.

2.2 As the Space Flight Enterprise Official, the Associate Administrator for Space Flight is accountable for the safety and mission success of all Space Flight Enterprise programs; projects, facilities, operations, and activities. The Space Flight Enterprise AA will provide the programmatic executive leadership to ensure Agency safety and mission success policies, plans, techniques, procedures, and standards are implemented throughout the Enterprise and that risks that negatively impact safety or mission success are properly dispositioned.

3.0 Roles and Responsibilities

3.1 Space Flight Enterprise Responsibilities

The Space Flight Enterprise AA will:

3.1.1 Provide executive leadership and responsibility for the safety and mission success of all Enterprise programs, projects, facilities, operations and activities. With the assistance of OSMA, the Space Flight 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 Ensure that adequate resources are available to support the requirements established by NTD 8700.1 for programs, projects, facilities, and operations.

SMA resource requirements will be documented within Center SMA Annual Operating Agreements (AOA).

3.1.3 Review and approve the SMA AOA's for the Space Flight Enterprise Centers when provided to the Space Flight Enterprise by OSMA. Space Flight Enterprise Center Director(s) will develop SMA AOA's that establish Center-wide annual planning, processes, and performance metrics and that are inclusive of all SMA assurance practices within a Center.

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

3.2 OSMA Responsibilities

The AA for SMA 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 a SMA input to the performance planning and annual performance evaluation of the Space Flight Enterprise AA.

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

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

3.2.5 Assess Space Flight Enterprise programs, projects, facilities, and operations for compliance with Agency safety and mission success policies and requirements and report the results to the Space Flight Enterprise AA.

3.2.6 Ensure that appropriate surveillance and independent assessments are conducted to verify that proper SMA practices are implemented and risks are identified and dispositioned for all Space Flight Enterprise programs, projects,

and activities. Independent assessments can be performed for the Space Flight Enterprise upon request.

3.2.7 Review and concur on the Space Flight Enterprise Center-developed SMA AOA's. The AOA's will be forwarded to the Space Flight Enterprise AA for review and approval, subsequent to OSMA review. The signature of the AA for SMA on an AOA will indicate that all applicable SMA requirements have been adequately addressed. The AA for SMA will coordinate with the Space Flight Enterprise AA to resolve any SMA issues or shortfalls identified in a Center's AOA. The approved AOA will be used as a basis for conducting Process Verifications (PV) of a Center's SMA program. PV's will review the Space Flight Enterprise Center SMA processes to ensure compliance with NPD 8700.1 requirements.

3.2.8 Establish review processes to determine the safety and operational readiness of flight hardware/software, mission critical support equipment, hazardous facilities/operations, and high-energy ground-based systems. The AA for SMA or a designated representative will lead these review processes. for SMA will asszlx the active participation of the Space Flight Enterprise SMA Liaison or other Space Flight Enterprise designee(s) in these review processes.

3.2.9 Direct and oversee, in coordination with the Space Flight Enterprise AA the prompt and accurate reporting, investigating, and analyzing of all Space Flight Enterprise of NASA mishaps and close calls in accordance with NPD 8621. 114.

3.2.10 Designate an OSMA representative to serve as a functional liaison for each of the four NASA Centers reporting to the Office of Space Flight; MSFC, KSC, JSC, and SSC. 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 Space Flight Enterprise AA, the Center Directors, and the Center SMA functional managers as provided by the AA for SMA. The Space Flight Enterprise Liaison will coordinate with the OSMA Center Liaisons and provide a single information path to the Space Flight Enterprise AA.

3.2.11 Support the development of SMA technology to support both Agency and Space Flight Enterprise activities.