

**DRYDEN FLIGHT RESEARCH CENTER
SPACE OPERATIONS MANAGEMENT
RESPONSIBILITIES**

MEMORANDUM OF AGREEMENT

BETWEEN

**LYNDON B. JOHNSON SPACE CENTER (JSC)
SPACE OPERATIONS LEAD CENTER**

AND

THE DRYDEN FLIGHT RESEARCH CENTER

January 2000



National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas

NASA SPACE OPERATIONS MANAGEMENT RESPONSIBILITIES

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JOHNSON SPACE CENTER

AND

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*Original Signed By: 1/19/00
Signature on File*

George W. S. Abbey
Director, Johnson Space Center

*Original Signed By: 1/7/00
Signature on File*

Kevin L. Petersen
Director, Dryden Flight Research Center

MOA-00-005	Memorandum of Agreement Between the Johnson Space Center and the Dryden Flight Research Center	
Author: Stan C. Newberry		Rev. Basic
Effective Date: per 4.c.(8)	Termination Date: per 4.c.(8)	Page 1 of _4_

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DRYDEN FLIGHT RESEARCH CENTER**

1. INTRODUCTION

The purpose of this Memorandum of Agreement is to establish a participant agreement between the Johnson Space Center (JSC), the NASA Space Operations Lead Center, and the Dryden Flight Research Center (DFRC), a space operations support center. This agreement covers the major areas of NASA space operations functional delegation by JSC to DFRC and the accompanying responsibilities of each of these centers.

2. BACKGROUND

JSC has been designated the NASA Lead Center for Space Operations and has created the SOMO to manage the overall process. The approach to meeting space operations goals and objectives established by the NASA Administrator is one of delegation of responsibility to the Center level, under the overall leadership of the Director of Space Operations located at JSC. The JSC Director, in the role of Lead Center Director, establishes supporting assignments for other Centers (Supporting Centers) considering Center missions responsibilities and areas of expertise. The DFRC has played an active role in the past in support of Code M programs with the Western Aeronautical Test Range (WATR). The WATR, an integral part of an integrated system of facilities at Dryden, has the capability to not only support the diverse requirements of Code R's Global Civil Aviation, Revolutionary Technology Leaps, and Access to Space Programs but to also support specific Code Y, Code S, and Code M Programs.

3. PURPOSE

DFRC has been a participant in the overall establishment and management of the Space Operations initiative across NASA and in the development of the related SOMO organization and processes. This participant agreement is intended to formalize and recognize the critical functions which are the delegated responsibilities of DFRC. These functions are essential to the success of SOMO in providing the operations services, which are required to support the Agency's missions.

4. RESPONSIBILITIES

a. DFRC shall:

- (1) Continue to manage the Western Aeronautical Test Range (WATR) including the technical and configuration management, customer interface, requirements management, contract management, and business processes.
- (2) Provide a key matrixed position as the formal Center interface for Space Operations services and functions required from DFRC. This individual is the DFRC point-of-contact for acquiring services in support of SOMO led programs. Dryden will provide input to the SOMO customer commitment process for those programs in which Dryden provides SOMO operations services in a supporting role. For programs in which DFRC is in a lead role, DFRC document agreements with those programs with a PSLA..
- (3) Support other SOMO activities as described below:

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Effective Date: per 4.c.(8)	Termination Date: per 4.c.(8)	Page 2 of _4_

- (a) Provide support to MSFC for the NASA Integrated Services Network (NISN) management.
- (b) Provide support to GSFC for Space Network and low-earth orbit Ground Network management, including WATR communications, tracking and data acquisition support for shuttle missions and other future human spaceflight missions.
- (c) Provide spectrum requirements to GRC, coordinated through the DFRC Spectrum Manager's office, to enable implementation of the Agency's Spectrum Management program. And, provide support at international forums to discuss spectrum issues for new and ongoing missions as necessary.
- (d) Support SOMO in all business management functions.
- (e) Provide WATR service elements and prices to be included in the SOMO Service Catalog.
- (f) Report performance assessment metrics enabling SOMO management to determine customer satisfaction and services effectiveness.

b. JSC SOMO Shall:

- (1) Provide management responsibility, authority and accountability for all space operations.
- (2) Develop the total space operations program plan including goals, objectives and implementing strategies for space operations functions based on coordination and negotiation with customers, DFRC and the other operations services centers.
- (3) Provide financial management for the space operations including management and coordination of the budget process and the integration of cost commitments and reimbursable agreements.
- (4) Represent space operations including DFRCs interests and issues, and provide insight to the highest levels of NASA management at the Space Operations Management Council and other NASA Headquarters forums.
- (5) Include the WATR service elements and prices in the SOMO services catalog.
- (6) Develop and administer any new agency consolidated space operations contracts, including the Consolidated Space Operations Contract (CSOC).
- (7) Provide space operations contract performance assessment management and integration for space operations activities.

c. GENERAL UNDERSTANDINGS

- (1) DFRC will prepare and submit the WATR Program Operating Plan based on customer requirements and commitments, and provide resources consistent with the POP required to conduct the activities necessary to fulfill their SOMO responsibilities. Performance will be measured against cost and schedule targets established yearly with SOMO's participation.

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- (2) It is recognized that DFRC will include the WATR when negotiating services with customers. A PSLA with the customer will be prepared and submitted to SOMO to document the agreement.
- (3) Control boards and panels will be established as required.
- (4) Management responsibilities will be delegated to the lowest practical levels.
- (5) Control level items will be held to an absolute minimum.
- (6) Reduce duplication, cooperate within and external to NASA, utilize commercial entities and standardize wherever practical.
- (7) DFRC will continue to maximize the use of performance based contracting and small business set asides to accomplish its mission.
- (8) This agreement is effective as of the date of the signed MOA and may be terminated at any time by mutual consent of both parties.
- (9) This agreement may be modified at any time upon written approval of both JSC and DFRC.

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