
KSC LAUNCH OPERATIONS DIRECTIVE NO. 23

To: Distribution

From:

W. J. Kapryan

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Director of Launch Operations

Subject: Manned Space Flight Launch Voice Communications System
and Operational Intercommunications System Responsibility

1.1 PURPOSE

This directive establishes and defines the basic policies and procedures necessary for the management, operation and use within Launch Operations, of the MSF Launch Voice Communications System, and for Configuration Control of KSC Operational Intercommunications Systems (OIS). It further assigns the responsibilities for providing and/or coordinating those actions necessary to accomplish proper operation, use and configuration control of the Operational Intercommunications Systems for test, checkout and launch operations at KSC.

2.1 SCOPE

This directive applies to all programs for which this Directorate has test, checkout and launch responsibility and to all Launch Operations elements involved in vehicle pre-launch, launch, and post launch activities at the operational complexes and associated operational support areas.

3.1 AUTHORITY

The authority for this directive is established by the following:

- a. OMSF Mission Operations Directive No. 13 (M-D MO 2200.099) dated November 1, 1968, "Assignment of Lead Responsibility for Pre-launch Operational Voice Communications System for Manned Space Flight Missions."

b. KMI 2520.1 dated March 26, 1970, "Operation and Maintenance, Use, and Configuration Control of KSC Operational Intercommunications Systems (OIS)."

c. KMI 2520.2 dated March 26, 1970, "MSF Launch Voice Communications Systems."

4.1 RESPONSIBILITY

a. Launch Operations, Test Operations Office will be responsible for:

(1) Assuring that only authorized*GFE headsets are used by personnel under the control of Launch Operations and causing all unauthorized headsets and recorders to be removed.

(2) Determining that the Launch Voice Communications System is performing satisfactorily from an operational standpoint.

(3) Assuring support by Launch Operations Directorate organizational elements to the Directorate of Technical Support as may be requested or scheduled for the execution of an LVCS performance test.

(4) Assessing the operational adequacy of LVCS during its employment in space vehicle tests.

b. Launch Operations, Test Planning Office will be responsible for issuing whatever test planning instructions are necessary to ensure effective operational employment of LVCS including coordination with the Manned Spacecraft Center, the MILA USB station and the Director of Technical Support as necessary.

c. The Director, Spacecraft Operations will be responsible for:

(1) Assuring that Directorate of Technical Support is provided with a system configuration description of significant system

* See Note

elements of each spacecraft which arrives at the Kennedy Space Center. These elements shall include the interfaces with the S/C GSE as well as sufficient detail concerning the voice communications GSE in the O&C building and the launch complex end instruments, receivers, amplifiers and mode switches to facilitate the preparation by the Directorate of Technical Support of the complete LVCS operation and configuration description.

(2) Obtaining from MSC, prior to the shipment of each CSM and/or LM to KSC, confirmation either that the design configuration of the CSM and/or LM communications system is unchanged or that a contemplated design change is expected to impact the system configuration description.

(3) Resolving spacecraft communications system problems through coordination with other centers and agencies as appropriate.

(4) Ensuring that only authorized *GFE headsets are used by personnel under his control and causing all unauthorized headsets and recorders to be removed.

(5) Providing support, as required by the Launch Operations Test Operations Office, in performing the LVCS test and assessing the operational adequacy of the system.

d. The Director, Launch Vehicle Operations will be responsible for:

(1) Ensuring that only authorized *GFE headsets are used by personnel under his control and causing all unauthorized headsets and recorders to be removed.

(2) Providing support, as required by the Launch Operations Test Operations Office, in performing the LVCS test and assessing the operational adequacy of the system.

* See Note

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e. Launch Operations, Requirements and Resources Office will be responsible for:

(1) Providing the KSC Communications Controller as designated by the Director of Launch Operations. The Communications Controller will execute those duties assigned by KMI 2520.1/TS and as directed by the Director of Launch Operations.

(2) Exercising control over the OIS access of organizational elements internal and external to KSC.

NOTE: All OIS-Radio Frequency (RF) headsets used in support of Apollo operations must be validated. A validated headset is identified by a revalidation "Due Date" and "Serviceable" sticker bearing a QC verification stamp. Revalidation is required every six months or less.