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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

GEORGE C. MARSHALL SPACE FLIGHT CENTER

SATURN V PROGRAM DIRECTIVE

NUMBER: 32

SUBJECT: ESTABLISHMENT OF A LAUNCH VEHICLE MANAGER FOR EACH LAUNCH VEHICLE

ORIGINAL ISSUE DATE: April 28, 1966 REVISION NUMBER: 1 (See Asterisks)

DATE OF REVISION: June 1, 1966 PREPARED BY: SATURN V TEST OFFICE (I-V-T)

PHONE: 876-1484/Frye

I. PURPOSE

The purpose of this Program Directive is to appoint a Launch Vehicle Manager for each Launch Vehicle (SA-500F, SA-501, SA-502, etc.) in the Saturn V Program.

II. SCOPE

This Program Directive is applicable to all MSFC elements involved in the Saturn V Program.

III. RESPONSIBILITY AND AUTHORITY

The Launch Vehicle Managers are located in the Saturn V Test Management Office, I-V-T, and are responsible for the following:

A. Pre-Delivery Reviews

- Monitors scheduling and coordinating of reviews.
- Participates in the reviews and assures necessary consistency between stages.
- Arbitrates differences arising between stage manager and KSC.
- Makes timely recommendations to the Program Manager on unresolved differences.

B. Certification of Flight Worthiness (COFW)

- Monitors progress and apprises Program Manager thereof.
- Reviews and assesses major exceptions which impact KSC operations.
- Recommends to Program Manager timely resolution of discrepancies.

I-V-FORM NO. 538 HARTLEIN JAN. 3, 1966 (OT)

SUBJECT: ESTABLISHMENT OF A LAUNCH VEHICLE [illegible] LAUNCH VEHICLE

ORIGINAL ISSUE DATE: April [illegible] REVISION NUMBER: [illegible] (See Asterisks)

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III. RESPONSIBILITY AND AUTHORITY (continued)

C. Program Manager's Pre-Flight Review (PMPFR)

- Plans, manages, and coordinates the preparation of the review.
- Assists the Program Manager in conducting the review.
- Prepares Launch Vehicle Flight Readiness Summary for the PMPFR.
- Manages the preparation of the Launch Vehicle Flight Readiness Summary Report.
- Tracks open items for the program Manager and assures timely close-out of open items.
- Makes timely recommendations to the Program Manager on PMPFR associated problems.

D. Program Director's Flight Readiness Review (PDFRR)

- Manages the preparation of the Program Manager's presentation for the PDFRR.
- Coordinates and prepares daily reports to the Program Director (General Phillips) relating to action items in accordance with the Apollo Program Directive No. 15.

E. MSFC/KSC Interfaces

* Establishes and Controls within MSFC:	Commits to KSC:
Test and Checkout Requirements need dates	Test and Checkout Requirements delivery dates
Test and Checkout Specifications and Criteria need dates	Test and Checkout Specifications and Criteria delivery dates
Launch Vehicle test catalog review	Launch Vehicle test catalog approval

I-V-FORM NO. 545 HARTLEIN JAN 3 1966 (01)

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III. RESPONSIBILITY AND AUTHORITY (continued)

(cont'd)

Establishes and Controls within MSFC:	Commits to KSC:
Computer program requirements and delivery need dates	Computer program delivery dates
End date activation schedules (where applicable)	Activation schedule support
Evaluation of KSC Overall Test and Checkout procedures	Changes and comments to KSC Overall Test and Checkout procedures
Prelaunch and Launch Operations schedules	Prelaunch and Launch Operations Support

* • In addition to the above, the Launch Vehicle Manager is the Saturn V Program Office single point of commitment for:

- Stage delivery need dates.
- GSE end delivery need dates.

F. Represents the Saturn V Program Manager (in his absence) at KSC during:

- Space Vehicle Overall Test No. 2 (electrical plugs out).
- Simulated Flight Test.
- Countdown Demonstration Test.
- Flight Readiness Test.
- Terminal Countdown.

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III. RESPONSIBILITY AND AUTHORITY (continued)

G. Establishes compatibility between mission rules, vehicle specifications and criteria, prelaunch checkout and launch operations plans, etc.

H. Assures that established Saturn V policies, guidelines and procedures are timely implemented by appropriate line organizations.

I. Monitors overall launch vehicle activities at KSC and expedites problem resolutions as required.

J. Apprises the Saturn V Program Manager of overall problems or potential problems, and recommends corrective action.

IV. IMPLEMENTATION

- The above shall be implemented upon issuance of this directive.
- The following personnel are hereby assigned as Launch Vehicle Managers:

	Vehicle	Launch Vehicle Manager	Orgn.	Telephone Number
	SA-500D	Mr. Ralph E. Robertson	I-V-T	876-6837
	SA-500F	Mr. Travis C. Barron	I-V-T	876-1347
	SA-501	Mr. William G. Frye	I-V-T	876-1484
	SA-502	Mr. C. L. Horton Webb	I-V-T	876-2456
*	SA-503	Mr. Clarence O. Hyfield	I-V-T	876-1347
*	SA-504	Mr. William G. Frye	I-V-T	876-1484
	SA-505 & subs	To be announced		

Arthur Rudolph
Manager, Saturn V Program

Distribution:
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R-ASTR-U, Mr. Weber
R-ASTR-T, Mr. Currie

cc:
KSC
DSR, Mr. Rosus
PPM, Colonel Fantone
PPR-S, Mr. Glennan
DEP, Mr. Parmon
PGA-1, Mr. Moser
GPO, Mr. Greene
LPO, Mr. Hall