

#43

ISSUANCE TRANSMITTAL SHEET

ISSUANCE NUMBER:

MPD 8080.2

DATE:

October 5, 1967

MATERIAL TRANSMITTED

1. This is a new Saturn V Program Directive.
2. The purpose of this Directive is to establish Saturn V Stage Pre-Firing and Post-Firing Reviews.

FILING INSTRUCTIONS

All MSFC Issuances will be filed in a standard 3-ring binder in numeric sequence without regard to the alphabetic prefix which identifies the type of issuance.



October 5, 1967

PROGRAM DIRECTIVE

PROGRAM AFFECTED: SATURN V

SUBJECT: SATURN V STAGE PRE-FIRING AND POST-FIRING REVIEWS

SATURN V PROGRAM DIRECTIVE NUMBER: 43 REVISION NUMBER:
DATE OF REVISION:
PREPARED BY: SATURN V TEST MANAGEMENT OFFICE (I-V-T)
PHONE: 876-1574/Johnson

1. PURPOSE

This Program Directive establishes:

SATURN V STAGE PRE-FIRING AND POST-FIRING REVIEWS.

2. SCOPE

This Program Directive:

- a. Applies to all MSFC elements responsible for Saturn V hardware design, fabrication, assembly, test, manufacturing checkout, pre-firing checkout, captive (acceptance) firing, post-firing checkout, and acceptance.
- b. Augments requirements of Apollo Test Requirements and Procedure for Certification of Flight Worthiness. (See References 3.a. and b., below).

3. REFERENCES

- a. NHB 8080.1, dated March, 1967, subject: Apollo Test Requirements.
- b. I-IB/V-TD Nr 100, dated March 16, 1966, subject: Procedure for Certification of Flight Worthiness.

4. POLICY

- a. A Pre-Firing Review shall be held within the week prior to each captive firing of a flight stage to determine and/or insure:

4. POLICY (Continued)

- (1) Proper stage configuration.
 - (2) Stage readiness for firing test.
 - (3) Proper GSE and test facility:
 - (a) Configuration.
 - (b) Readiness to support firing test.
 - (4) Adequacy of:
 - (a) Pre-firing checkout procedures.
 - (b) Checkout crew training.
 - (5) Mandatory action prior to captive firing of stage.
- b. A Post-Firing Review shall be held within 7 days after completion of each captive firing of a flight stage to:
- (1) Determine rework requirements revealed through firing evaluation.
 - (2) Verify modifications first installed on this stage.
 - (3) Verify flight readiness.
- c. Participants at the reviews shall be:
- (1) Stage Manager or his representative.
 - (2) Engine Project Manager or his representative.
 - (3) R&DO representatives.
 - (4) Cognizant contractors.
 - (5) Others as required by Stage Manager or his representative.

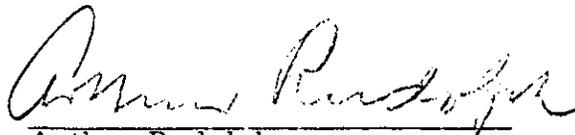
4. POLICY (Continued)

- d. Maximum use shall be made of information generated for other reviews and assessments.

5. RESPONSIBILITIES

Saturn V Stage Managers shall:

- a. Schedule and Conduct Pre-Firing and Post-Firing Reviews for each flight stage, or
- b. Participate in Stage Contractor scheduled and conducted Pre-Firing and Post-Firing Reviews which fulfill the policy in paragraph 4 above.
- c. Provide results of the reviews in reports to the Saturn V Program Manager.



Arthur Rudolph
Manager, Saturn V Program

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See Page 4

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