

Memorandum

TO : Mr. Simmons, I-I/IB-U
Through: ~~Mr. Gagle, R-ASTR-BU~~ *DA 9-15-66* DATE: September 12, 1966

FROM : Chief, Guidance and Control
Systems Analysis Branch, R-ASTR-NG In reply refer to:
R-ASTR-NG-129-66
CMcMahan/lw/876-8476

SUBJECT : Final LVDC Mission Defining Document for the AS-502 Mission

1. The enclosed document is forwarded to your office in accordance with the procedures established by Industrial Operations and the prime IU contractor.
2. This document, all approved AS-502 change orders, and the approved LVDC Equation Defining Document dated 31 May 1966, should be used to define the AS-502 Level II (Final Level) LVDC flight program. New launch vehicle pre and post-separation maneuvering requirements are being considered, but they are not sufficiently well defined for transmittal at this time. They will be forwarded when available.
3. A significant part of the information referred to in this document is based on the Reference Trajectory and could require revision when the Operational Trajectory is published.



S. M. Seltzer

1 Enc:
a/s

Approval:

for *F. B. Moore*
F. B. Moore
Chief, Guidance and
Control Division

SAS

I-M-MGR, Dr. A. Rudolph
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R-ASTR-NGD, Mr. Brown
R-ASTR-NGD, Mr. Jones
R-ASTR-NGI, Mr. Blanton
R-ASTR-NG (IBM), Mr. Carson (3)
R-ASTR-NG, Record file/Branch file
R-ASTR-X, Reference file

ASTRIONICS LABORATORY
FINAL MISSION DEFINING DOCUMENT
FOR THE
AS-502
LAUNCH VEHICLE DIGITAL COMPUTER

I. Summary

The information currently available for use in defining the AS-502 Level II LVDC Flight Program consists of:

A. The AS-502 Equation Defining Document, MSFC No. III-4-423-8, IBM No. 66-207-0004, 31 May 1966.

B. All approved AS-502 Change Orders.

C. There is no additional new information pertinent to the AS-502 flight program at this time.

Encl²