

PRELIMINARY HISTORY OF NASA

1963 - 1968

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1968

A PRELIMINARY HISTORY
OF
THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DURING
THE ADMINISTRATION OF PRESIDENT LYNDON B. JOHNSON
NOVEMBER 1963 --- JANUARY 1969

VOLUME TWO

DOCUMENTARY SUPPLEMENT

NASA Historical Staff
Washington, D.C.

October 15, 1968

F O R E N O T E T O V O L U M E T W O

This volume, the DOCUMENTARY SUPPLEMENT, is a selective compilation. The Appendices have direct value in serving the concern of future historians beyond supplementing the chapter texts and annotations of the "Preliminary History of NASA During the Administration of President Lyndon B. Johnson." Additionally, the "Bibliographical Notes" prepared by the NASA Historian provide specific guidance for exploiting the holdings of the Lyndon B. Johnson Library and other primary source locations. A "List of Abbreviations and Acronyms," indispensable to the serious scholar of any large-scale and technical activity, constitutes the final section. For ease of reference and bulk packaging, this volume separated from the text seemed desirable.

William A. Lockyer, Jr.

A PRELIMINARY HISTORY OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DURING THE ADMINISTRATION OF PRESIDENT LYNDON B. JOHNSON
NOVEMBER 1963 -- JANUARY 1969

V O L U M E T W O

DOCUMENTARY SUPPLEMENT

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Volume Two

Documentary Supplement

1. A P P E N D I C E S

Since the purpose of this project was to serve future historians, the Appendices were divided into two major categories:

Part A - General Appendices -- containing reference material serving the entire work (i.e., A-I --- NASA Organizational Charts).

Part B -- Supporting Appendices -- containing basic reference material related to specific chapters, much of which will be frequently annotated to the text of each chapter (i.e., B-I will contain material supporting Chapter I, etc.).

The Appendices contain much information supplementing the main text and its notes. They do not contain all footnoted material, especially that cited to published and other readily available sources. As an aid to future scholars in placing into perspective the period covered by this work, they contain some background data concerning events prior to 1963. A Table of Contents preceding each of the two Parts lists the material included in the Appendices.

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Mr. James E. Webb
Dr. Hugh L. Dryden
Dr. Thomas O. Paine
Dr. Mac C. Adams
Mr. H. Julian Allen
Mr. Robert F. Allnut
Mr. James M. Beggs
Mr. Paul F. Bikle
Dr. Raymond L. Bisplinghoff
Mr. Frank A. Bogart, Lt. General, USAF (Ret.)
Mr. Walter F. Boone, Admiral, USN (Ret.)
Dr. Wernher von Braun
Mr. Edmond C. Buckley
Mr. Richard L. Callaghan
Mr. Edgar M. Cortright
Dr. Kurt H. Debus
Mr. Paul G. Dembling
Mr. Bernhardt Louis Dorman
Dr. Alfred J. Eggers, Jr.
Mr. James C. Elms

Mr. Harold B. Finger
 Mr. Arnold W. Frutkin
 Dr. Robert R. Gilruth
 Dr. Harry J. Goett
 Mr. D. Brainard Holmes
 Mr. Richard E. Horner
 Mr. Robert W. Kamm
 Mr. Breene M. Kerr
 Dr. Winston E. Kock
 Dr. Richerd L. Leshner
 Mr. William E. Lilly
 Mr. Charles W. Mathews
 Mr. William F. McKee, General, USAF (Ret.)
 Dr. George E. Mueller
 Dr. John E. Naugle
 Dr. Homer E. Newell
 Mr. Oran W. Nicks
 Maj. Gen. Samuel C. Phillips, USAF
 Dr. William H. Pickering
 Mr. William B. Rieke
 Mr. Julian Scheer
 Mr. Willis H. Shapley
 Dr. George L. Simpson, Jr.
 Mr. Walter D. Sohler
 Dr. Robert C. Seamans, Jr.
 Dr. Abe Silverstein
 Mr. Jacob E. Smart, General, USAF (Ret.)
 Mr. Francis B. Smith
 Dr. Lloyd L. Thompson
 Mr. Gerald M. Truszynski
 Mr. Charles E. Weakley, Vice Admiral, USN (Ret.)
 Mr. Phillip N. Whittaker
 Dr. D. D. Wyatt
 Mr. John D. Young

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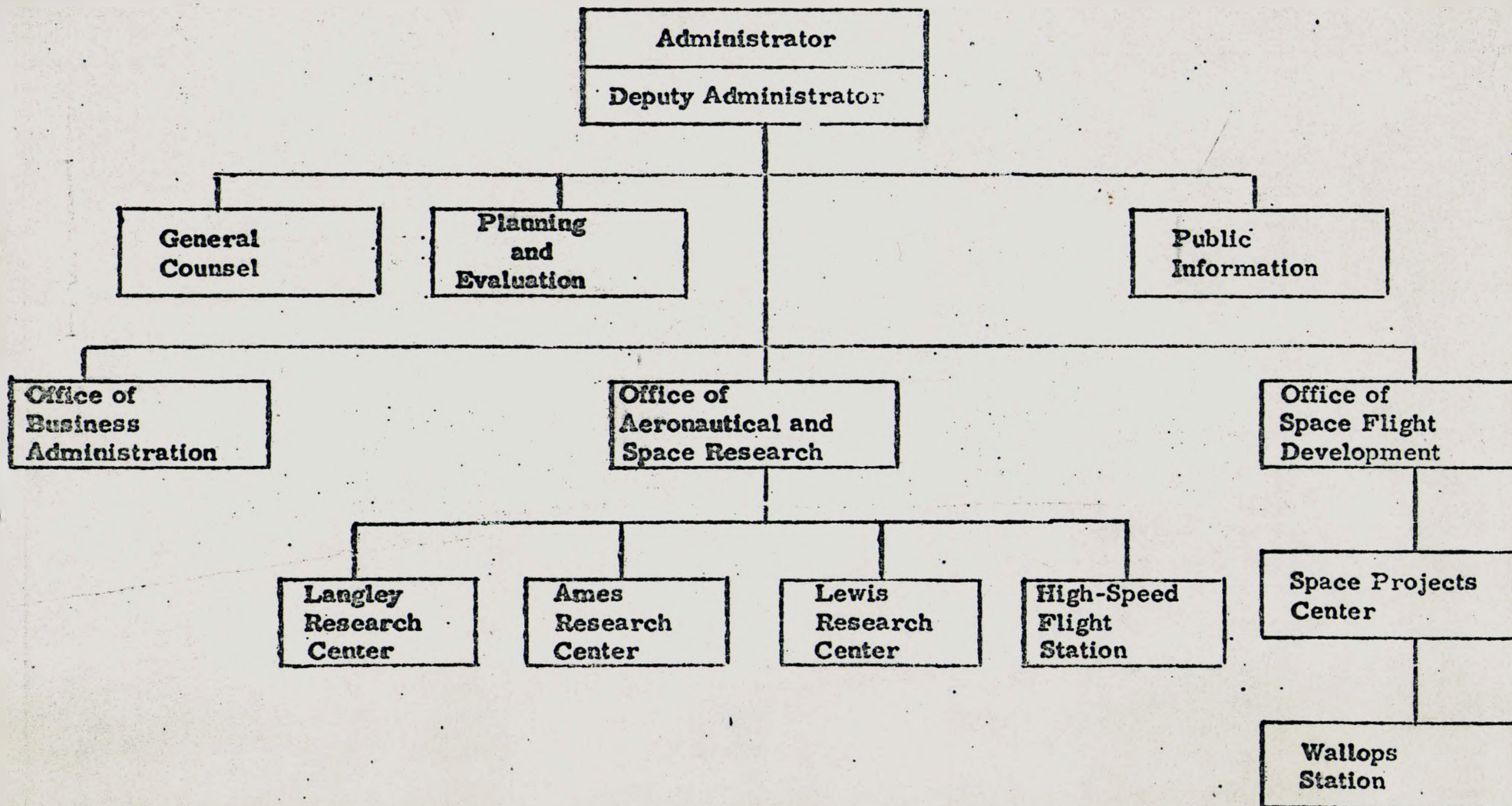
Appendix A-I

N A S A O R G A N I Z A T I O N A L C H A R T S

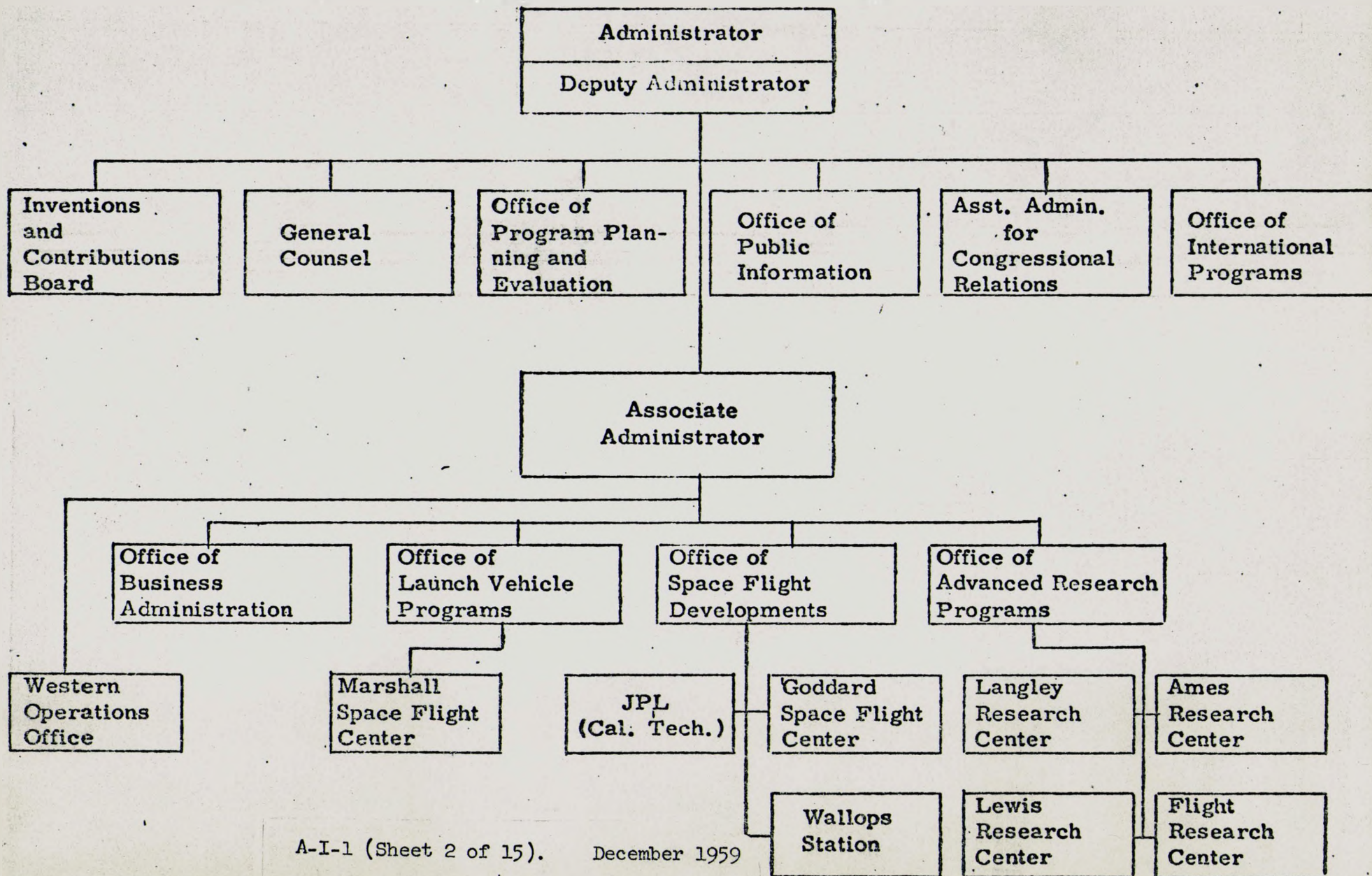
The fifteen charts on the following pages illustrate the major organizational changes within the National Aeronautics and Space Administration (NASA) during the period from 1958 to 1969. From these charts future scholars can observe the evolution of the major NASA Headquarters offices as well as the changing relationship between the Field Centers and the parent organization as management responded to the challenges of a maturing Government agency. The following charts are included:

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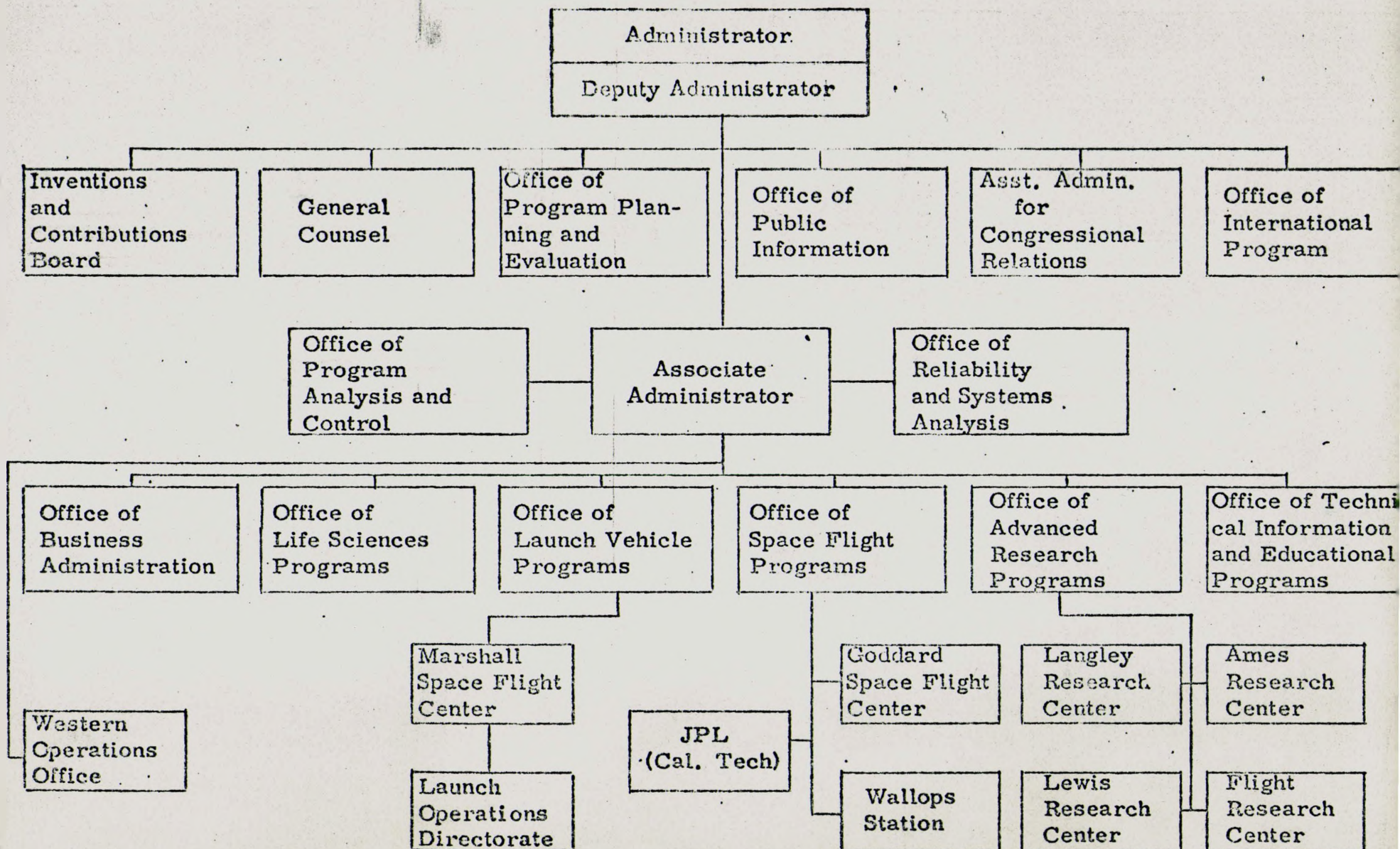
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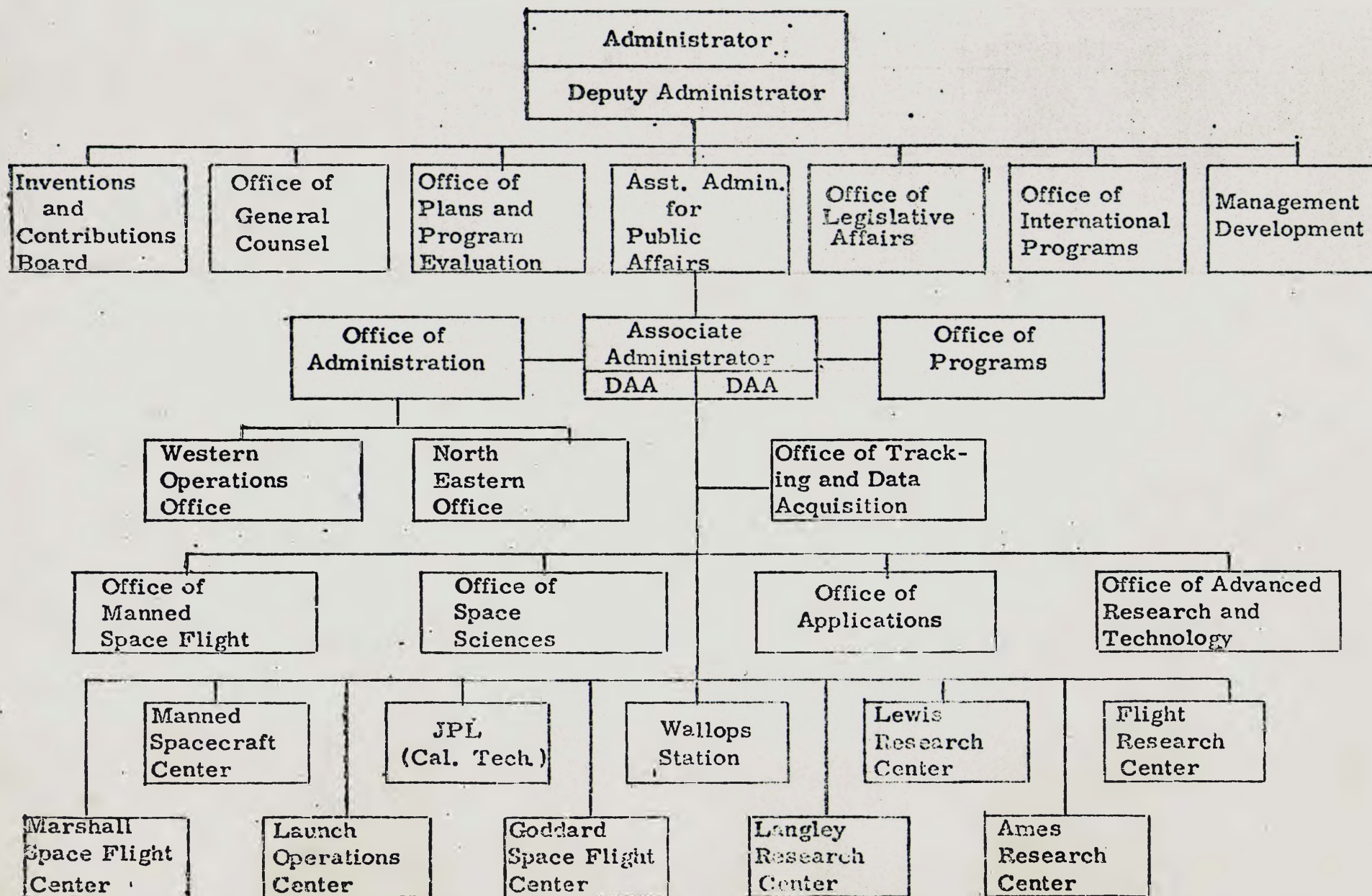
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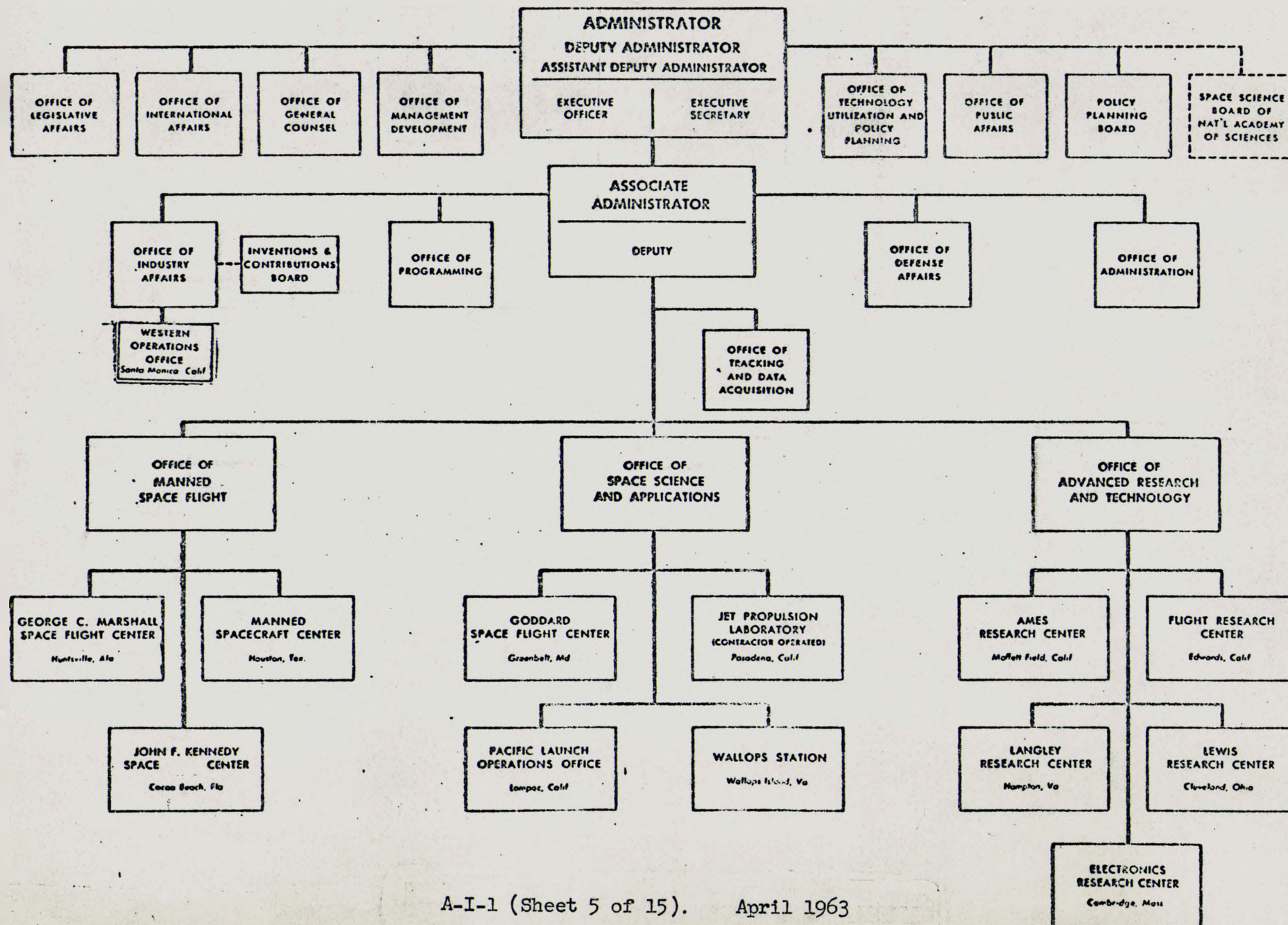


NASA ORGANIZATION - AUGUST 1960



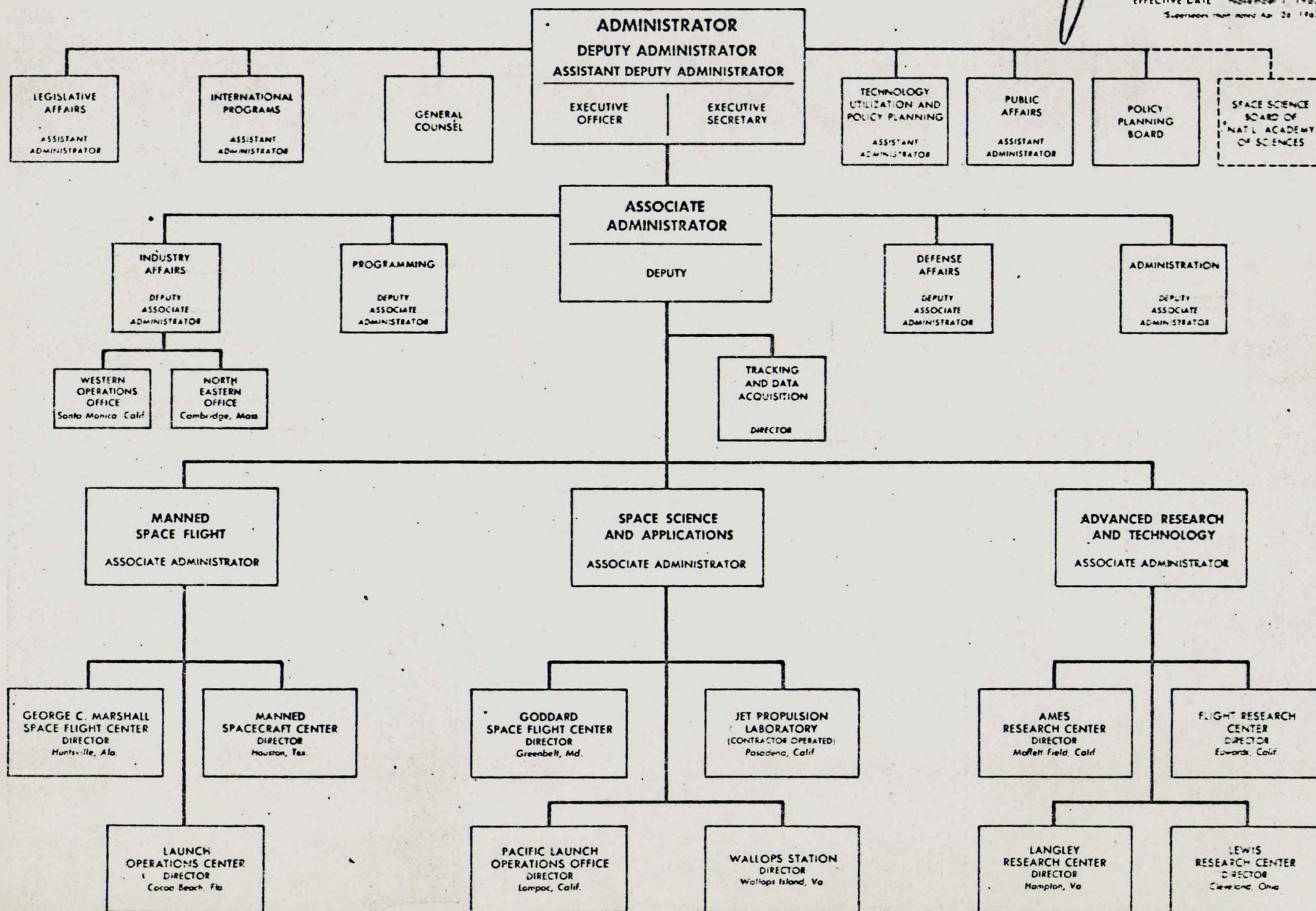
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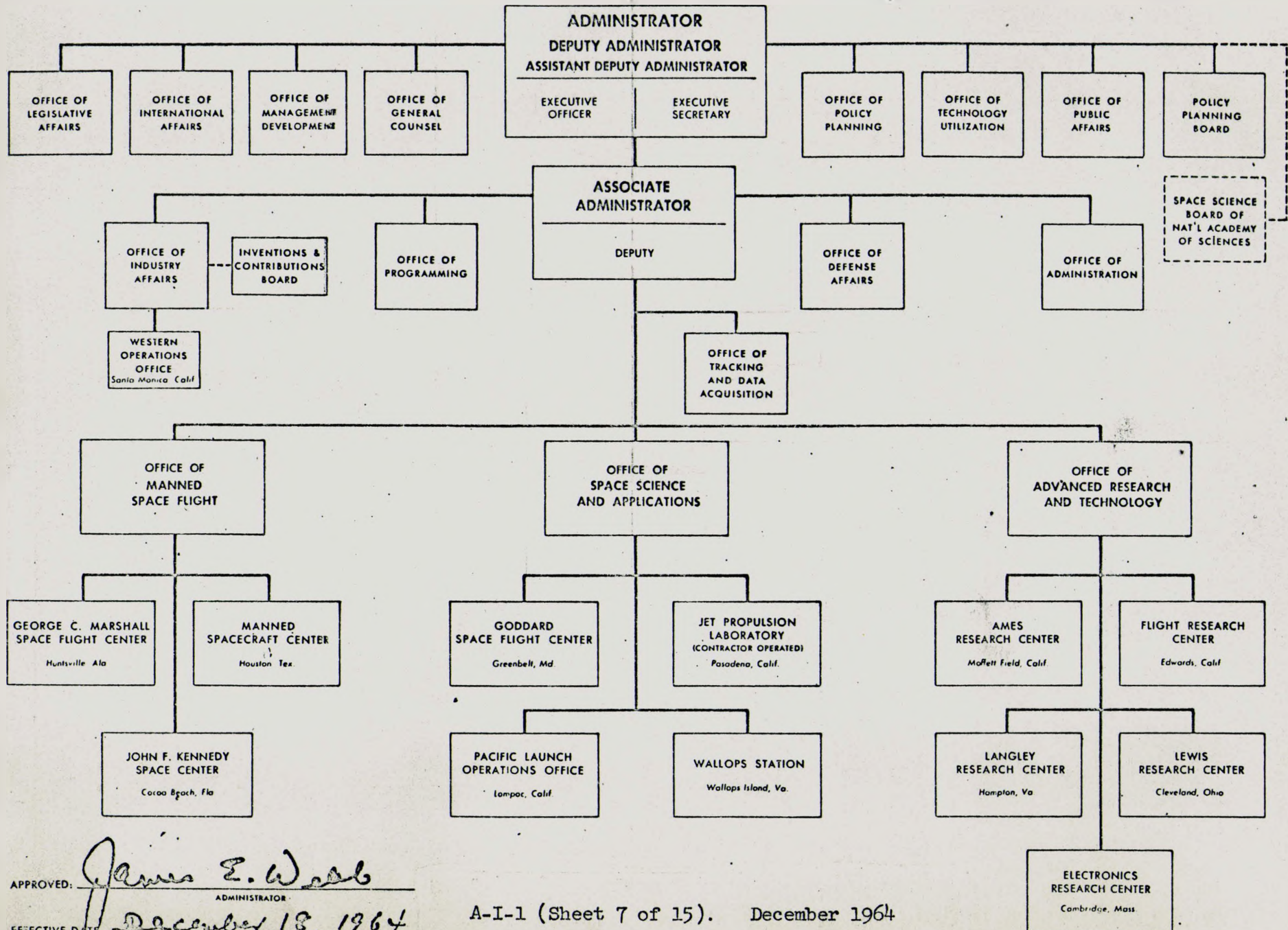


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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



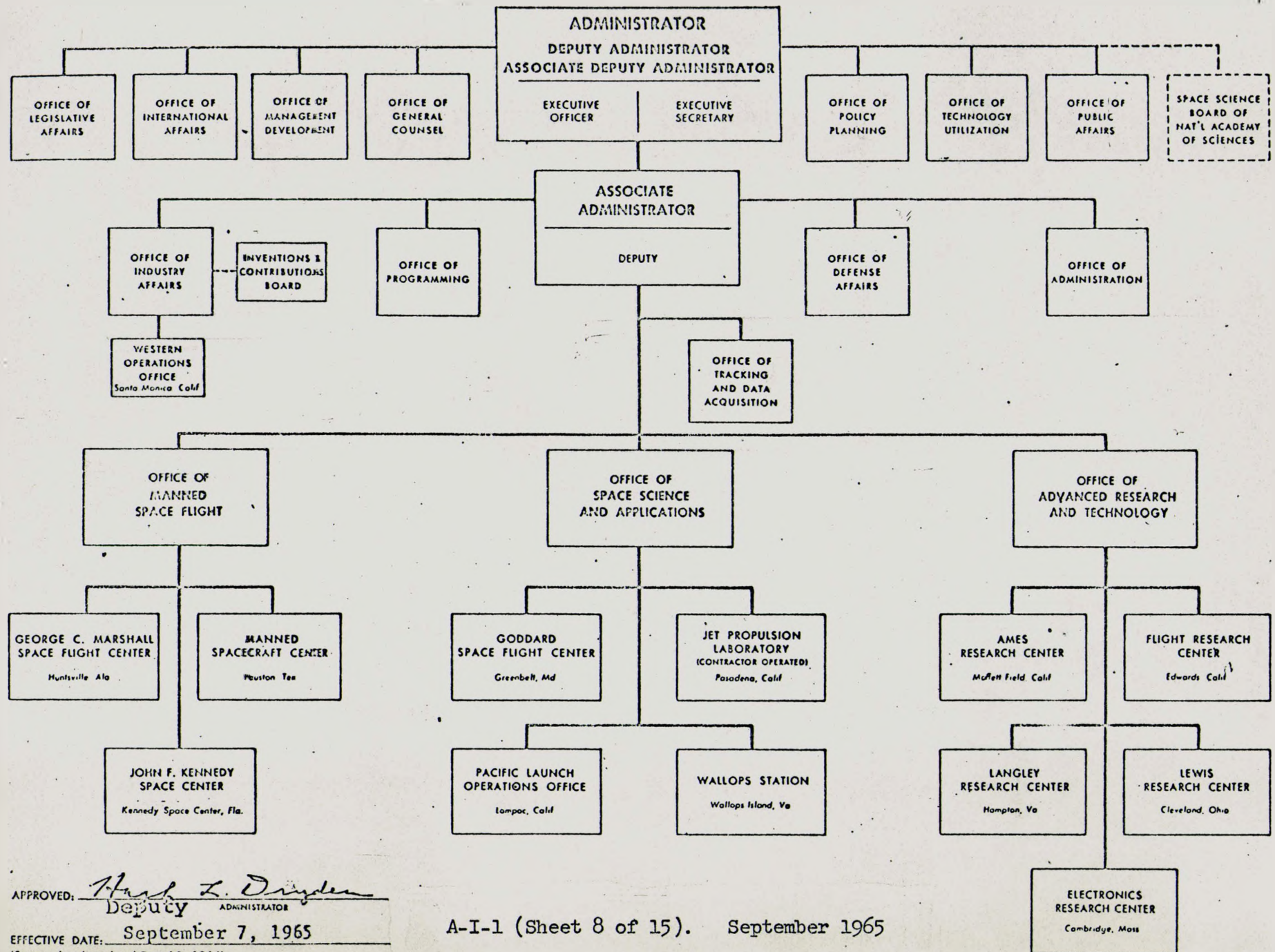
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James E. Webb
ADMINISTRATOR

EFFECTIVE DATE:

December 18, 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

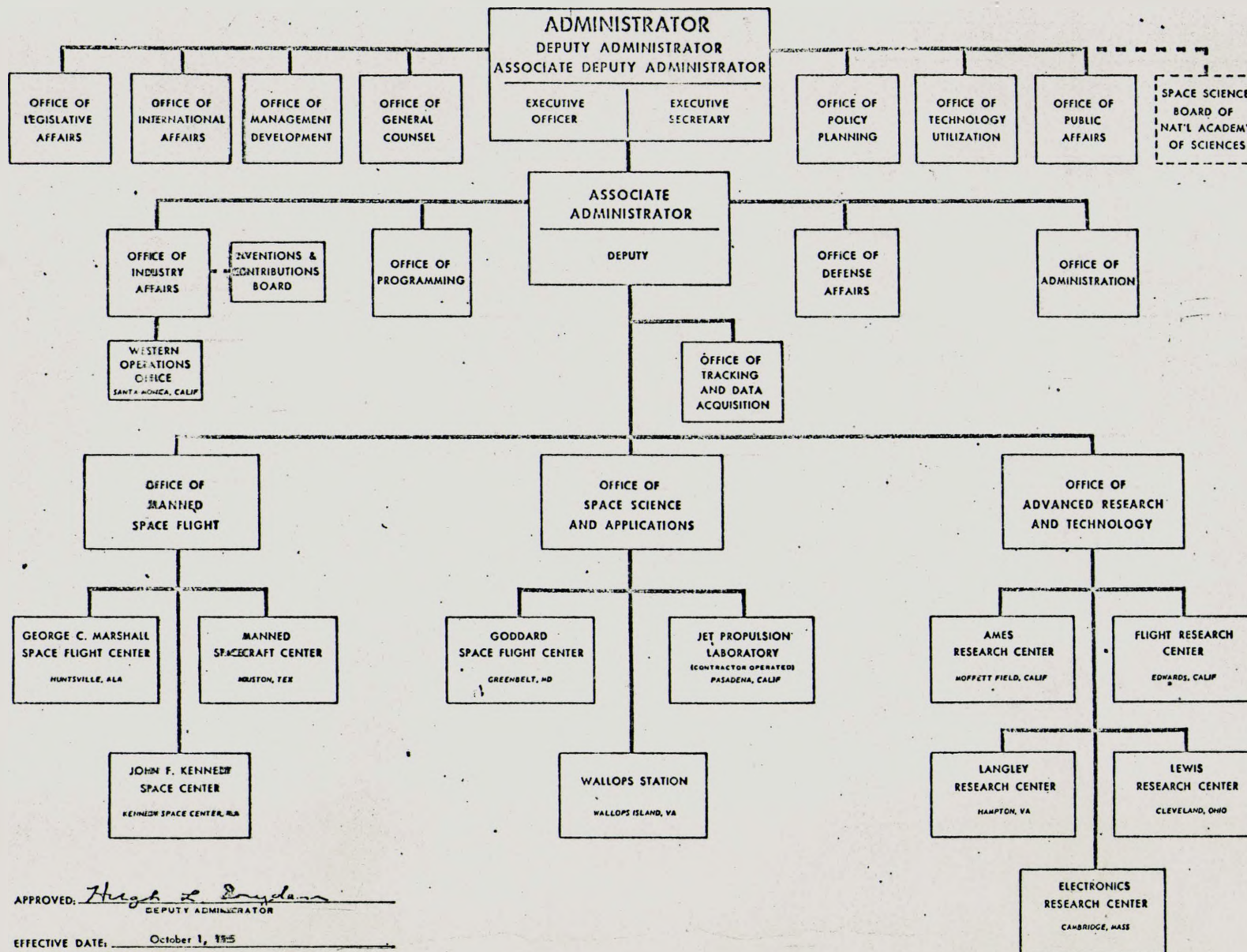


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Deputy ADMINISTRATOR

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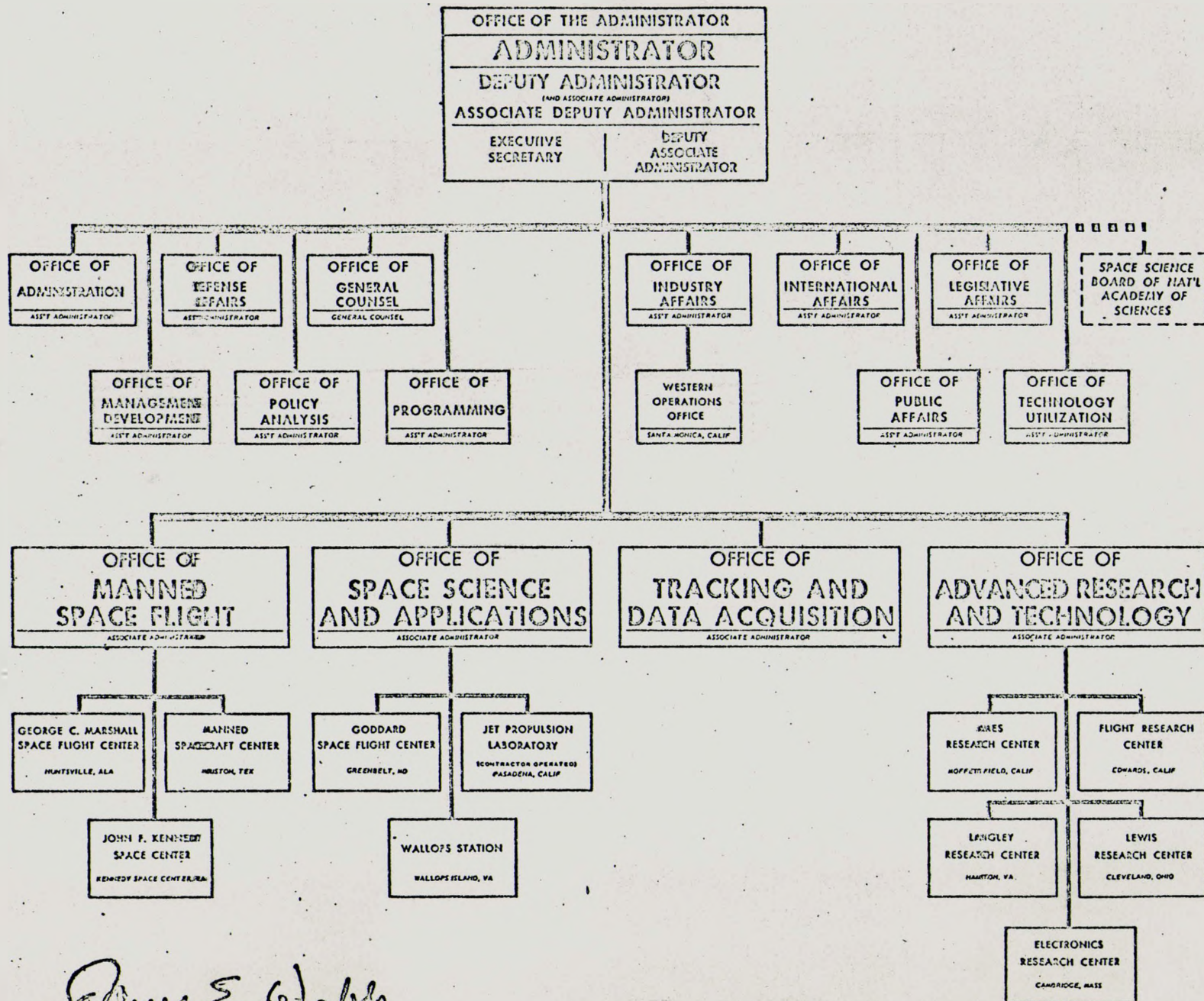
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



APPROVED: Hugh L. Dryden
DEPUTY ADMINISTRATOR

EFFECTIVE DATE: October 1, 1965
IN PERMANENT FILE DATED SEP 2 1965

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



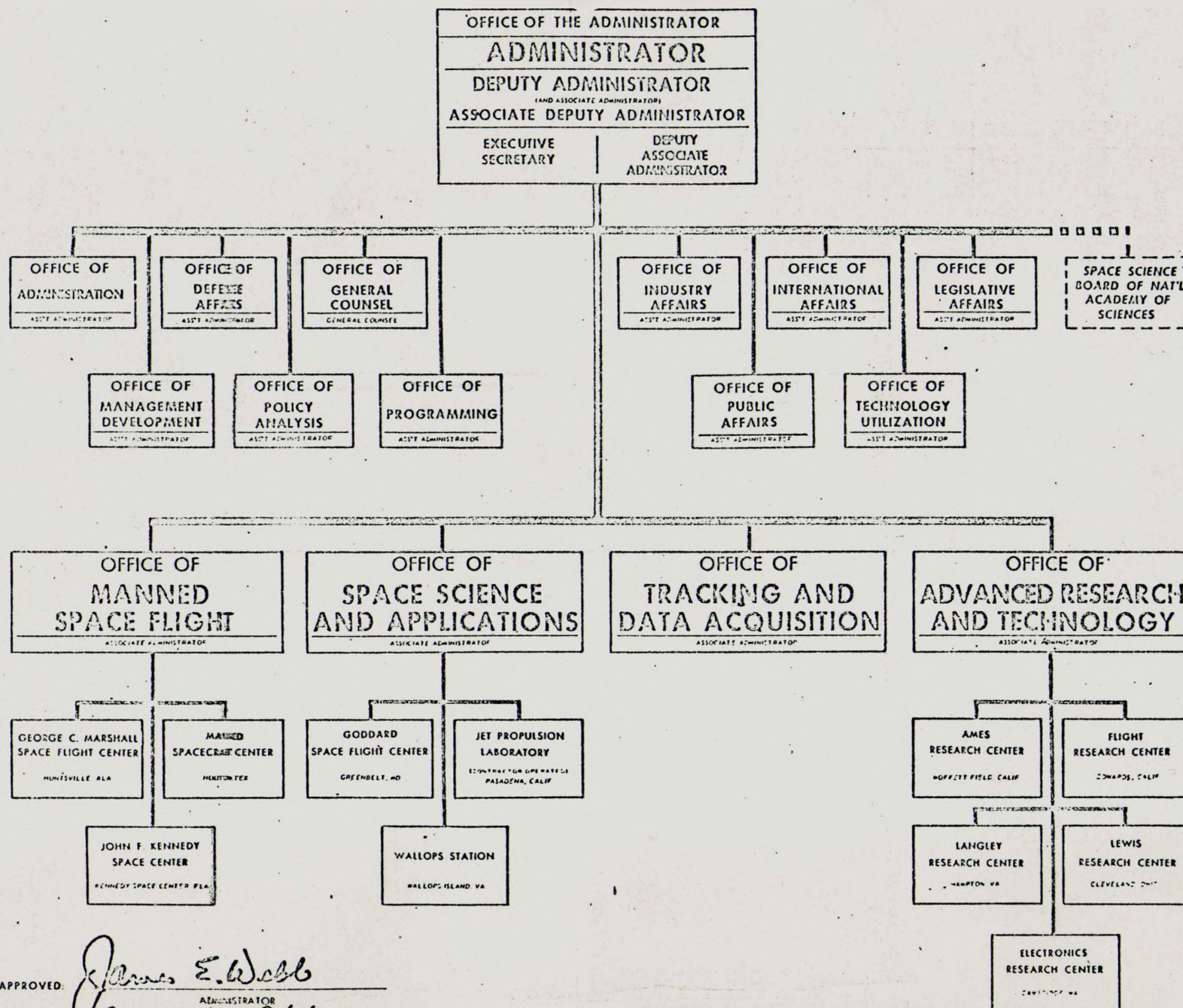
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BY

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JANUARY 27, 1966

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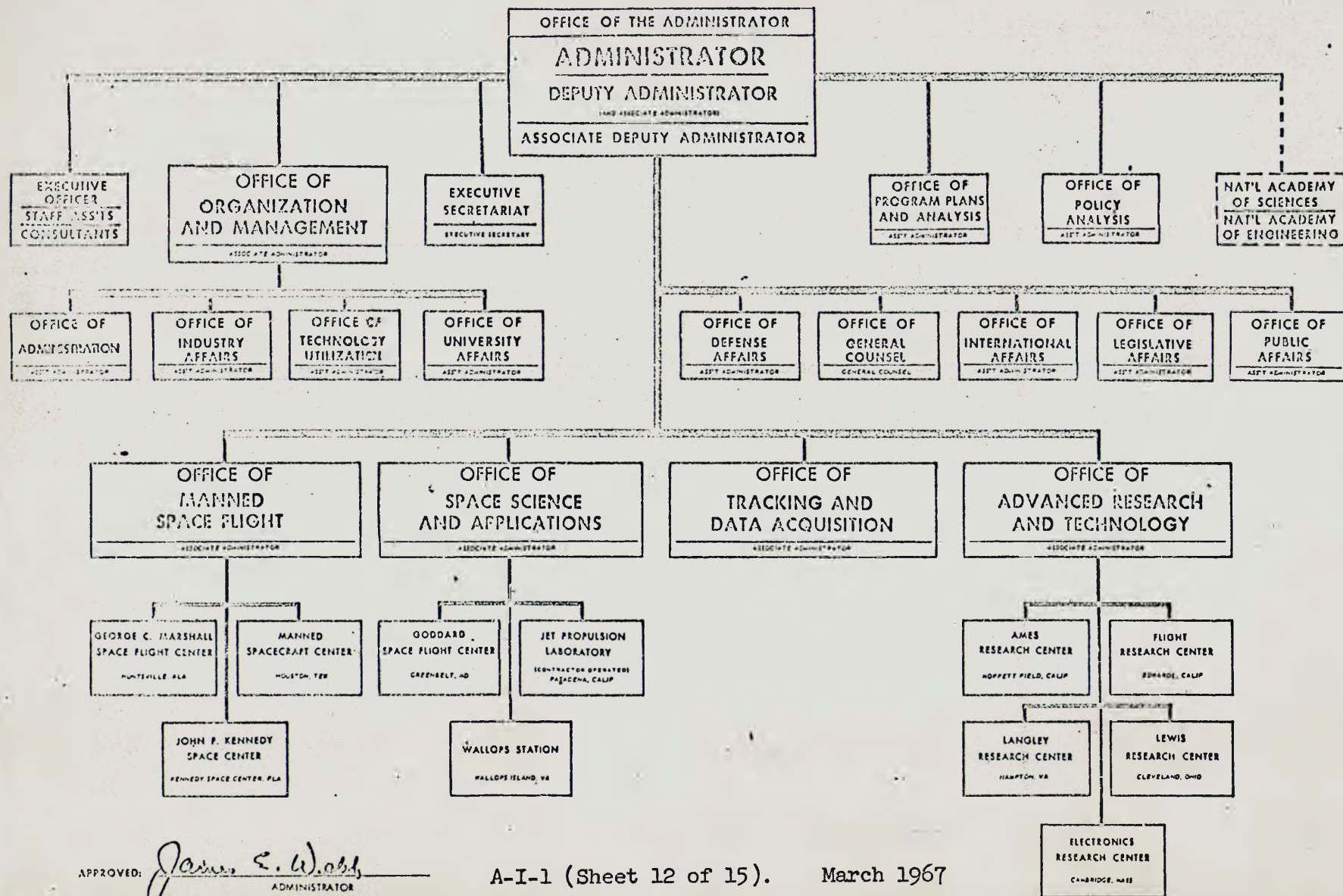


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James E. Webb
ADMINISTRATOR
Aug. 4, 1966

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



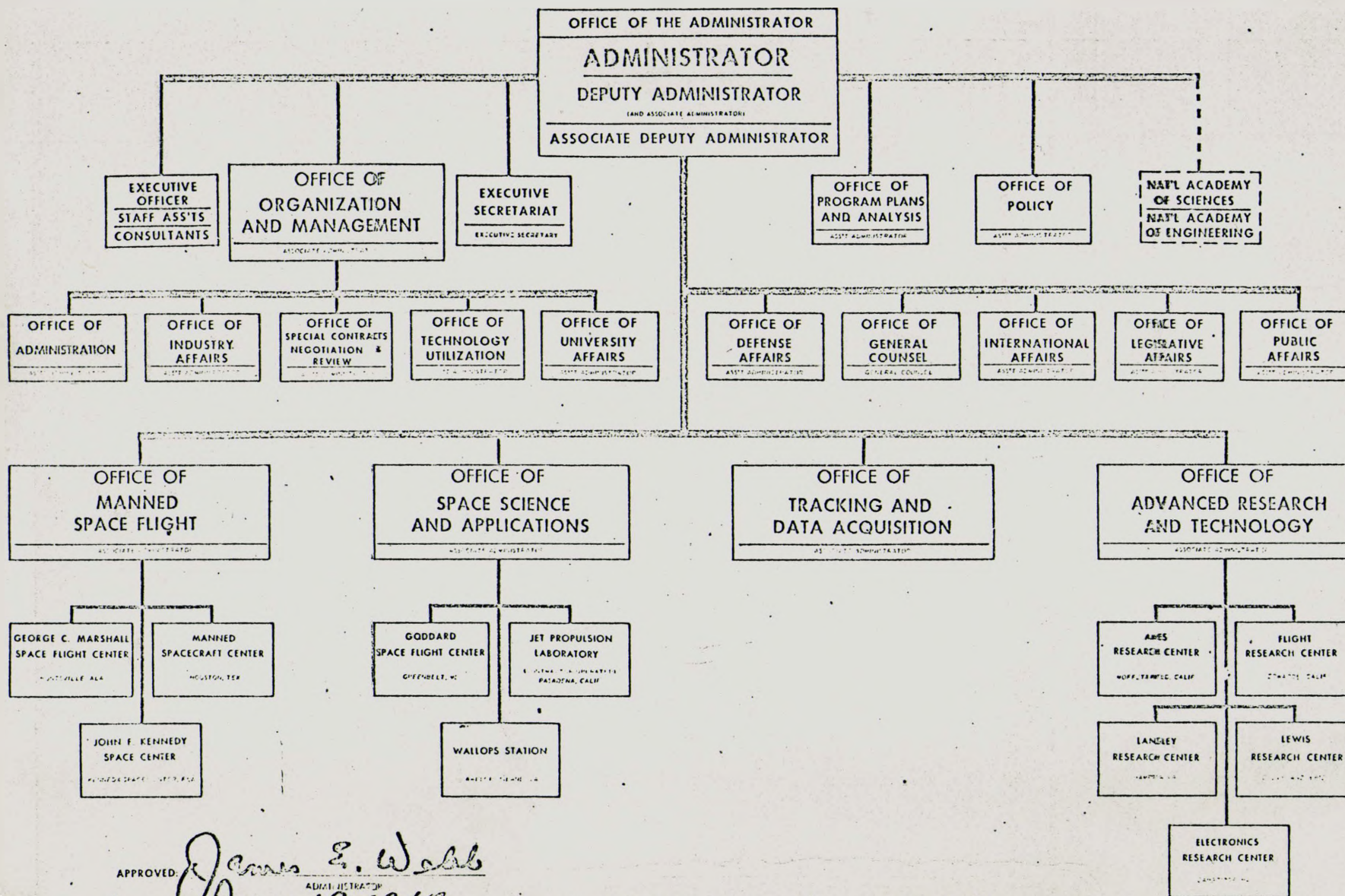
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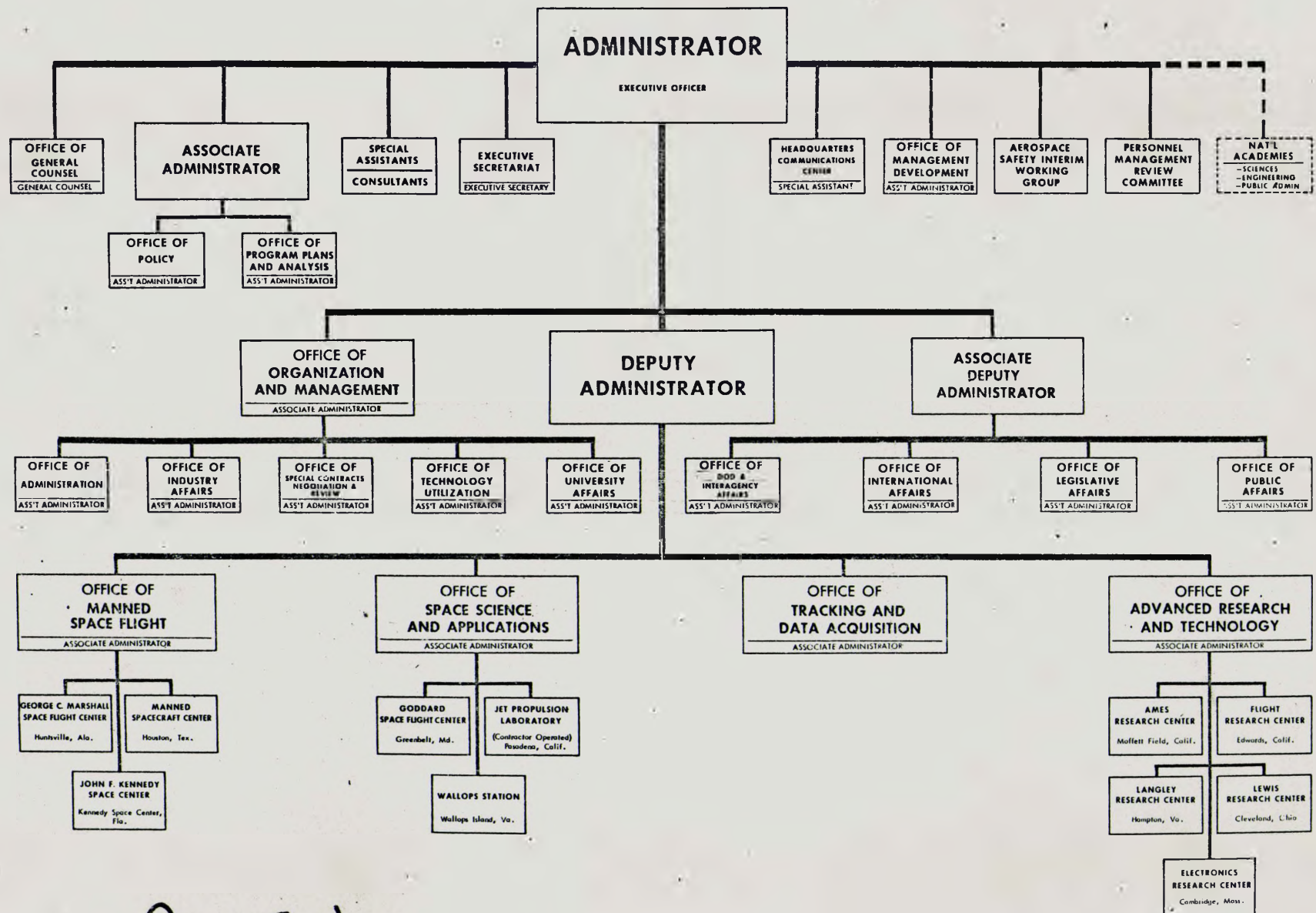
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



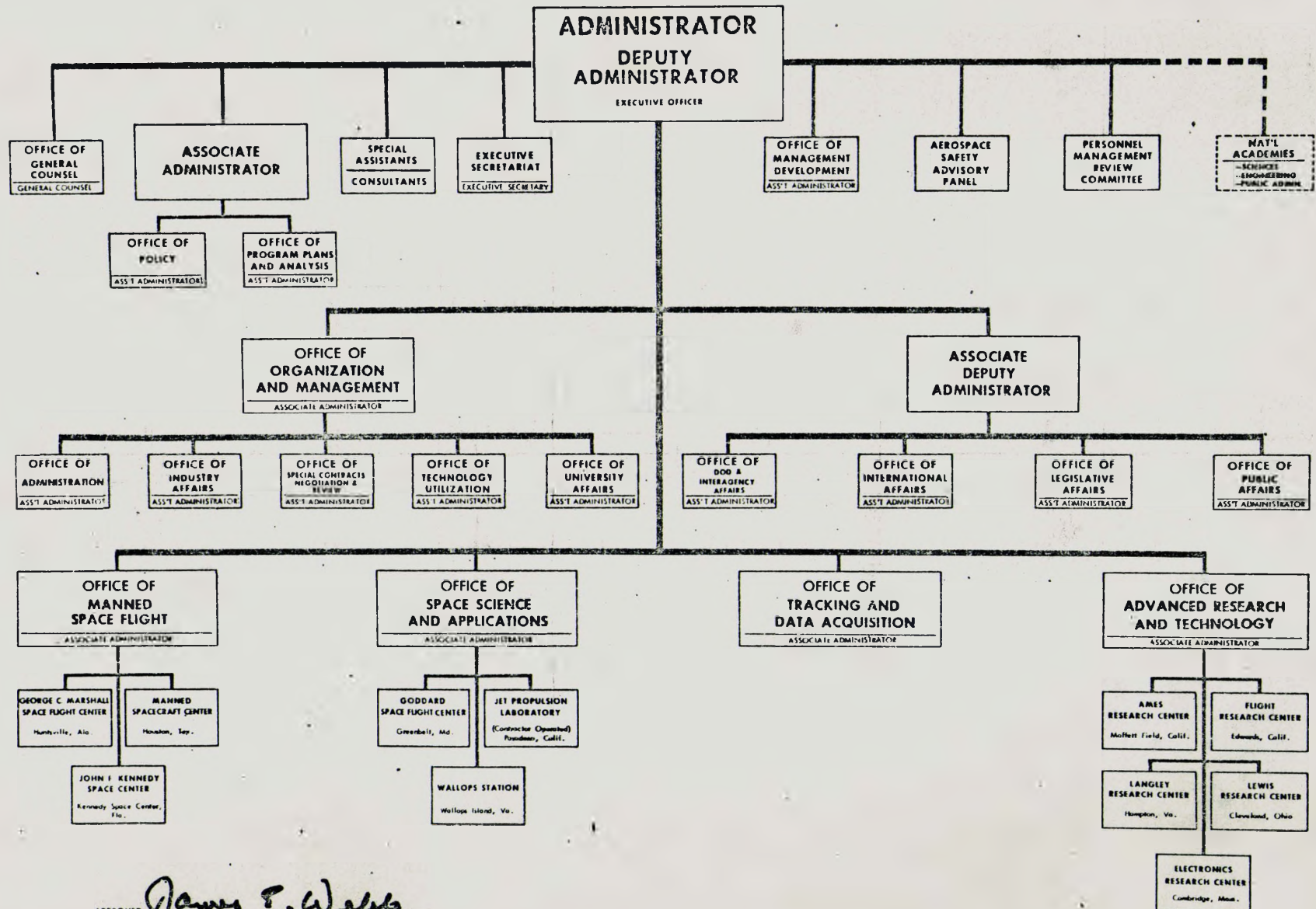
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ADMINISTRATOR
EFFECTIVE: *June 19, 1967*
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ADMINISTRATOR
EFFECTIVE: December 18, 1967
(Supersedes chart dated June 19, 1967)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



APPROVED: *James F. Webb*
ADMINISTRATOR
EFFECTIVE: *May 1, 1968*
Organization last dated December 18, 1967

Appendix A-II

N A S A I N S T I T U T I O N A L O F F I C E A N D F I E L D C E N T E R O R G A N I Z A T I O N A L C H A R T S

Contained on the following pages are the organizational charts of the four NASA Headquarters institutional (program) offices and the Field Centers which report to them. The sequence in which the charts are arranged in this Appendix reflects the management relationship existing during the 1963-1969 time period. To provide future scholars with the maximum amount of data, as many charts as possible are included, although in several instances they exceed the period covered by this Preliminary History. It is of interest to note that changes in the Center's organizational structures do not always coincide with the Headquarters reorganizations; some resulted from the increase in personnel or workload, change in their scope of work, or their internal need to strengthen management controls. The following charts are included in this Appendix:

A-II-1 OFFICE OF MANNED SPACE FLIGHT' (1962-1968)

A-II-1	(Sheet 1 of 7)	March	1962	Chart
A-II-1	(Sheet 2 of 7)	February	1963	Chart
A-II-1	(Sheet 3 of 7)	November	1963	Chart
A-II-1	(Sheet 4 of 7)	December	1964	Chart
A-II-1	(Sheet 5 of 7)	August	1965	Chart
A-II-1	(Sheet 6 of 7)	August	1967	Chart
A-II-1	(Sheet 7 of 7)	January	1968	Chart

A-II-2 John F. Kennedy Space Center (1959-1968)

A-II-2	(Sheet 1 of 14)	December	1959	Chart
A-II-2	(Sheet 2 of 14)	June	1960	Chart
A-II-2	(Sheet 3 of 14)	March	1961	Chart
A-II-2	(Sheet 4 of 14)	June	1962	Chart
A-II-2	(Sheet 5 of 14)	April	1963	Chart
A-II-2	(Sheet 6 of 14)	September	1963	Chart
A-II-2	(Sheet 7 of 14)	January	1964	Chart
A-II-2	(Sheet 8 of 14)	December	1964	Chart
A-II-2	(Sheet 9 of 14)	September	1965	Chart
A-II-2	(Sheet 10 of 14)	April	1966	Chart
A-II-2	(Sheet 11 of 14)	June	1966	Chart
A-II-2	(Sheet 12 of 14)	December	1966	Chart
A-II-2	(Sheet 13 of 14)	October	1967	Chart
A-II-2	(Sheet 14 of 14)	January	1968	Chart

A-II-3 Manned Spacecraft Center (1959-1968)

A-II-3	(Sheet 1 of 15)	September	1959	Chart
A-II-3	(Sheet 2 of 15)	January	1960	Chart
A-II-3	(Sheet 3 of 15)	September	1960	Chart
A-II-3	(Sheet 4 of 15)	November	1961	Chart
A-II-3	(Sheet 5 of 15)	March	1962	Chart
A-II-3	(Sheet 6 of 15)	October	1962	Chart
A-II-3	(Sheet 7 of 15)	November	1963	Chart
A-II-3	(Sheet 8 of 15)	August	1964	Chart
A-II-3	(Sheet 9 of 15)	December	1964	Chart
A-II-3	(Sheet 10 of 15)	May	1965	Chart
A-II-3	(Sheet 11 of 15)	October	1965	Chart
A-II-3	(Sheet 12 of 15)	May	1966	Chart
A-II-3	(Sheet 13 of 15)	December	1966	Chart
A-II-3	(Sheet 14 of 15)	February	1967	Chart
A-II-3	(Sheet 15 of 15)	January	1968	Chart

A-II-4 George C. Marshall Space Flight Center (1962-1968)

A-II-4	(Sheet 1 of 6)	June	1962	Chart
A-II-4	(Sheet 2 of 6)	March	1963	Chart
A-II-4	(Sheet 3 of 6)	August	1963	Chart
A-II-4	(Sheet 4 of 6)	July	1964	Chart
A-II-4	(Sheet 5 of 6)	September	1965	Chart
A-II-4	(Sheet 6 of 6)	January	1968	Chart

A-II-5 OFFICE OF SPACE SCIENCE AND APPLICATIONS (1962-1968)

A-II-5	(Sheet 1 of 3)	July	1962	Chart
A-II-5	(Sheet 2 of 3)	November	1963	Chart
A-II-5	(Sheet 3 of 3)	July	1967	Chart

A-II-6 Goddard Space Flight Center (1961-1968)

A-II-6	(Sheet 1 of 7)	October	1961	Chart
A-II-6	(Sheet 2 of 7)	April	1963	Chart
A-II-6	(Sheet 3 of 7)	July	1963	Chart
A-II-6	(Sheet 4 of 7)	July	1965	Chart
A-II-6	(Sheet 5 of 7)	August	1966	Chart
A-II-6	(Sheet 6 of 7)	July	1967	Chart
A-II-6	(Sheet 7 of 7)	March	1968	Chart

A-II-7 Wallops Station (1961-1968)

A-II-7	(Sheet 1 of 9)	March	1961	Chart
A-II-7	(Sheet 2 of 9)	July	1961	Chart
A-II-7	(Sheet 3 of 9)	January	1962	Chart
A-II-7	(Sheet 4 of 9)	April	1963	Chart
A-II-7	(Sheet 5 of 9)	January	1965	Chart
A-II-7	(Sheet 6 of 9)	July	1966	Chart
A-II-7	(Sheet 7 of 9)	January	1967	Chart

A-II-7 Wallops Station (1961-1968) (Cont'd)

A-II-7	(Sheet 8 of 9)	July	1967	Chart
A-II-7	(Sheet 9 of 9)	July	1968	Chart

A-II-8 OFFICE OF ADVANCED RESEARCH AND TECHNOLOGY
(1963-1968)

A-II-8	(Sheet 1 of 5)	December	1963	Chart
A-II-8	(Sheet 2 of 5)	August	1965	Chart
A-II-8	(Sheet 3 of 5)	February	1966	Chart
A-II-8	(Sheet 4 of 5)	June	1967	Chart
A-II-8	(Sheet 5 of 5)	April	1968	Chart

A-II-9 Ames Research Center (1963-1968)

A-II-9	(Sheet 1 of 3)	January	1963	Chart
A-II-9	(Sheet 2 of 3)	December	1963	Chart
A-II-9	(Sheet 3 of 3)	September	1966	Chart

A-II-10 Electronics Research Center (1967-1968)

A-II-10	(Sheet 1 of 2)	January	1965	Chart
A-II-10	(Sheet 2 of 2)	January	1967	Chart

A-II-11 Flight Research Center (February 1964)

A-II-12 Langley Research Center (1962-1968)

A-II-12	(Sheet 1 of 5)	May	1962	Chart
A-II-12	(Sheet 2 of 5)	June	1963	Chart
A-II-12	(Sheet 3 of 5)	April	1964	Chart
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A-II-12	(Sheet 5 of 5)	May	1968	Chart

A-II-13 Lewis Research Center (1962-1968)

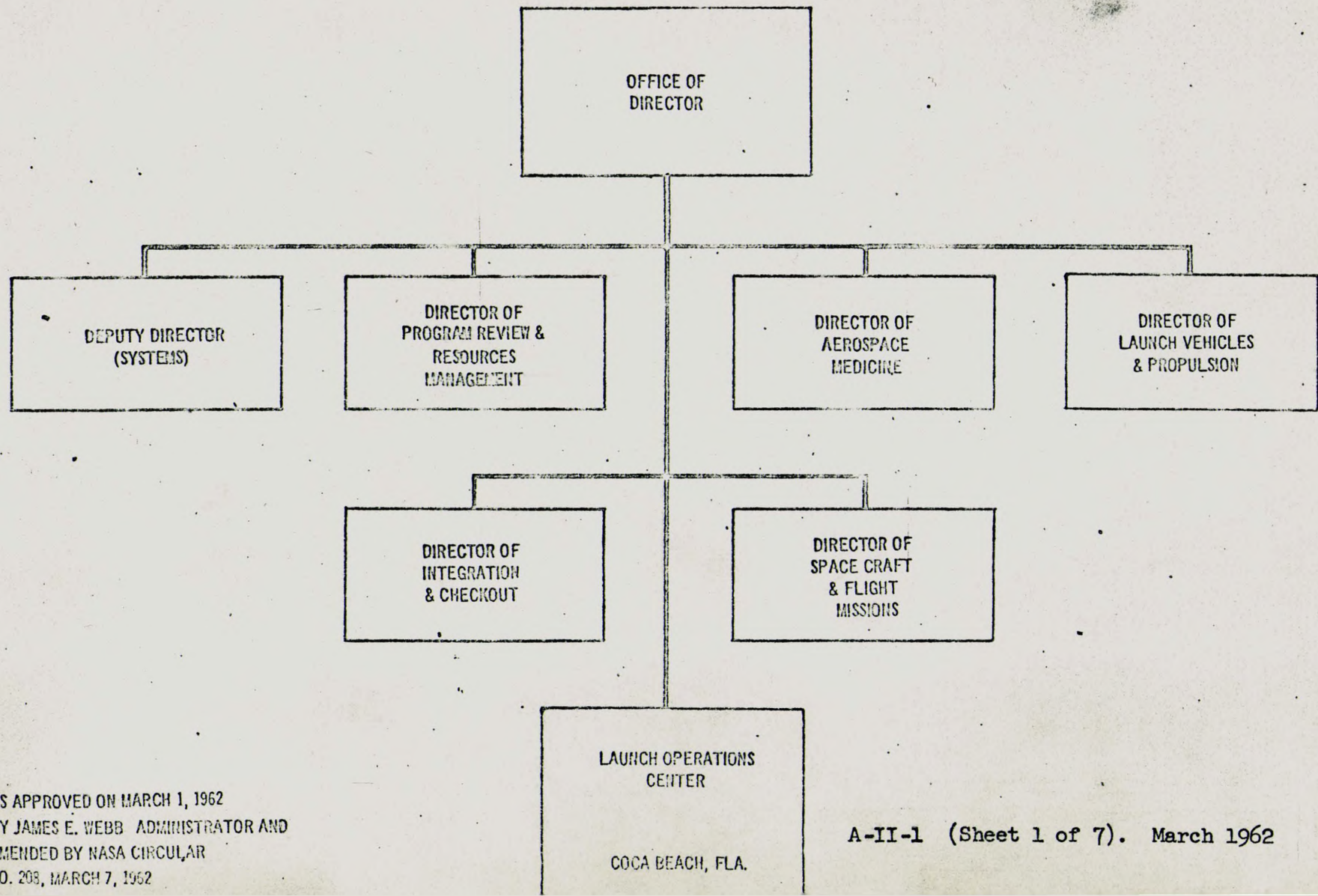
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A-II-13	(Sheet 3 of 12)	February	1963	Chart
A-II-13	(Sheet 4 of 12)	June	1963	Chart
A-II-13	(Sheet 5 of 12)	May	1964	Chart
A-II-13	(Sheet 6 of 12)	July	1965	Chart
A-II-13	(Sheet 7 of 12)	January	1966	Chart
A-II-13	(Sheet 8 of 12)	April	1966	Chart
A-II-13	(Sheet 9 of 12)	June	1966	Chart

A-II-13 Lewis Research Center (1962-1968) (Cont'd)

A-II-13 (Sheet 10 of 12)	February	1967	Chart
A-II-13 (Sheet 11 of 12)	August	1967	Chart
A-II-13 (Sheet 12 of 12)	April	1968	Chart

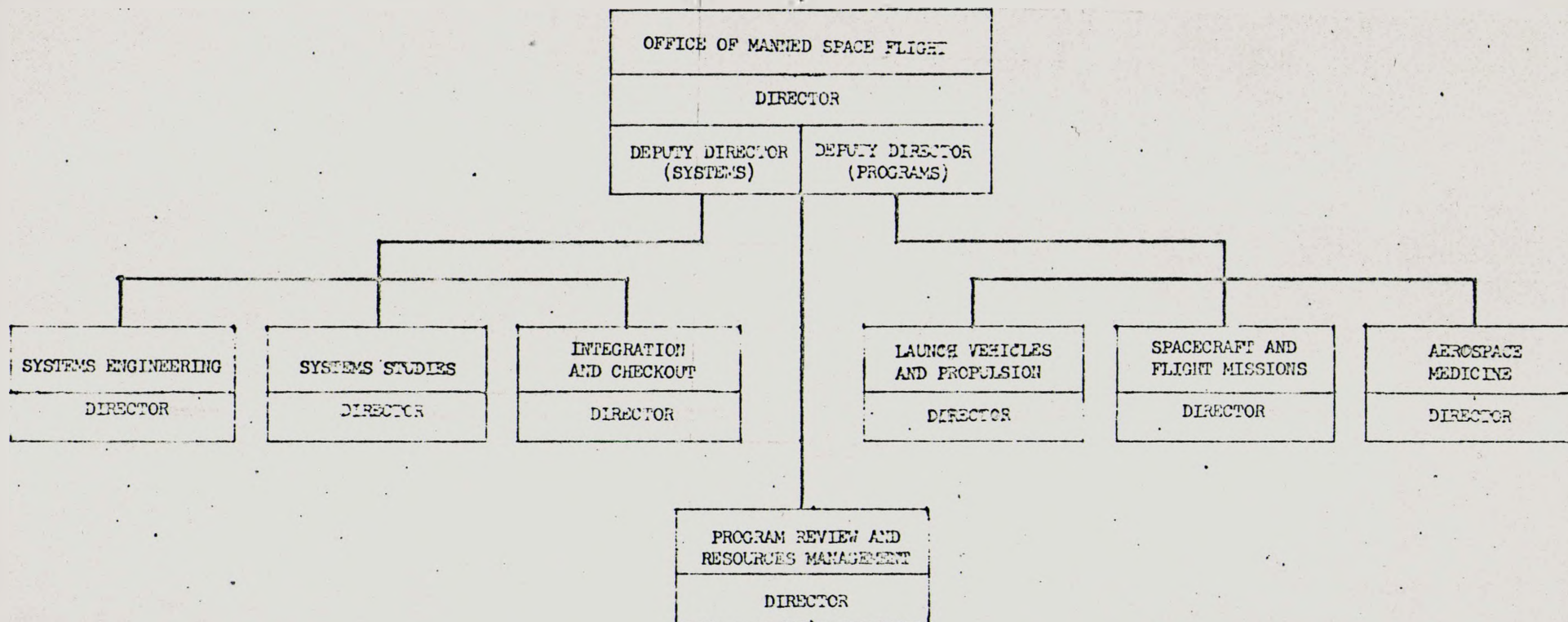
A-II-14 OFFICE OF TRACKING AND DATA ACQUISITION (October 1965)

OFFICE OF MANNED SPACE FLIGHT



AS APPROVED ON MARCH 1, 1962
BY JAMES E. WEBB ADMINISTRATOR AND
AMENDED BY NASA CIRCULAR
NO. 208, MARCH 7, 1962

A-II-1 (Sheet 1 of 7). March 1962



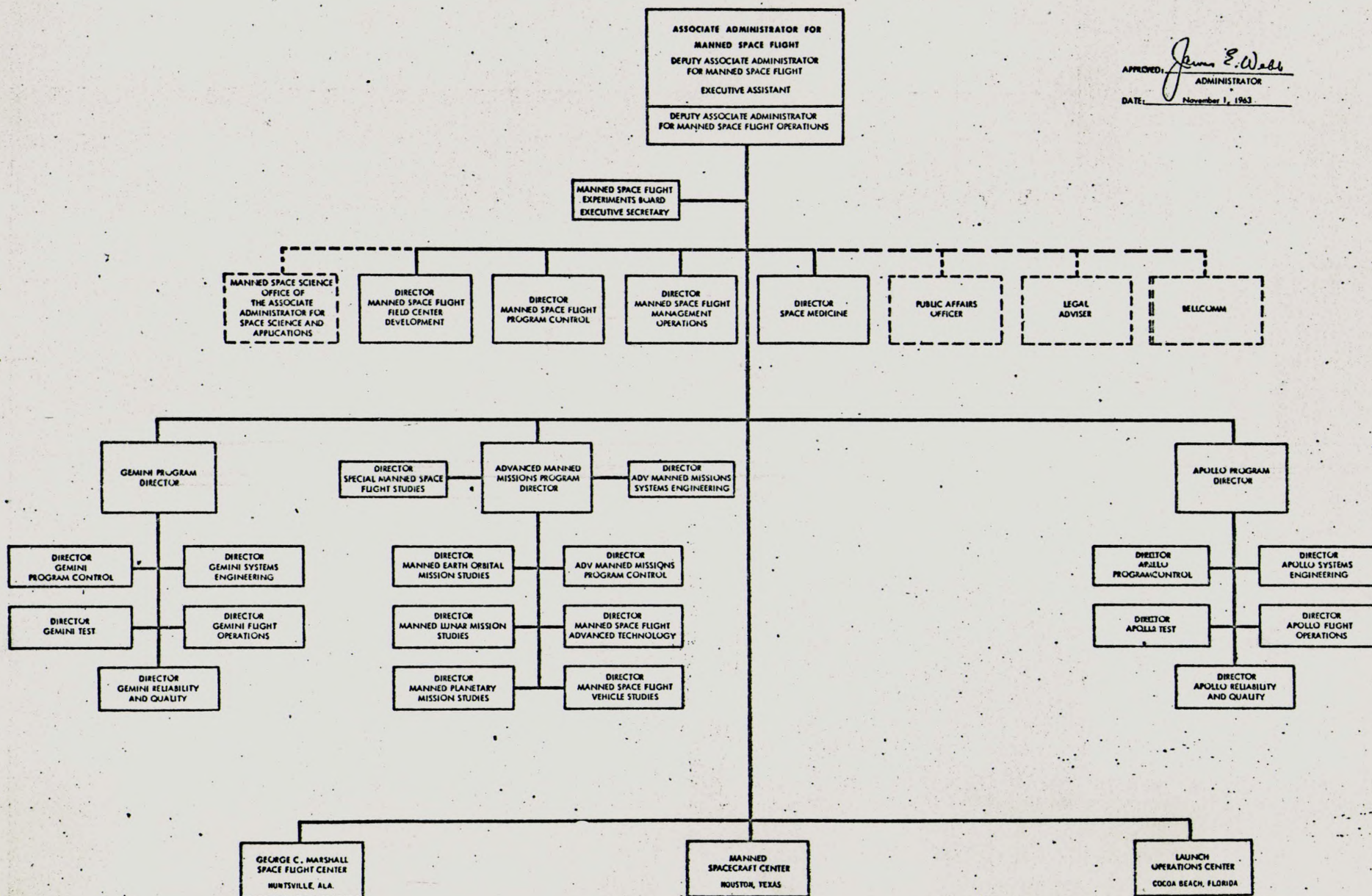
APPROVED:

James P. Webb
Administrator

Feb. 15, 1963
Date

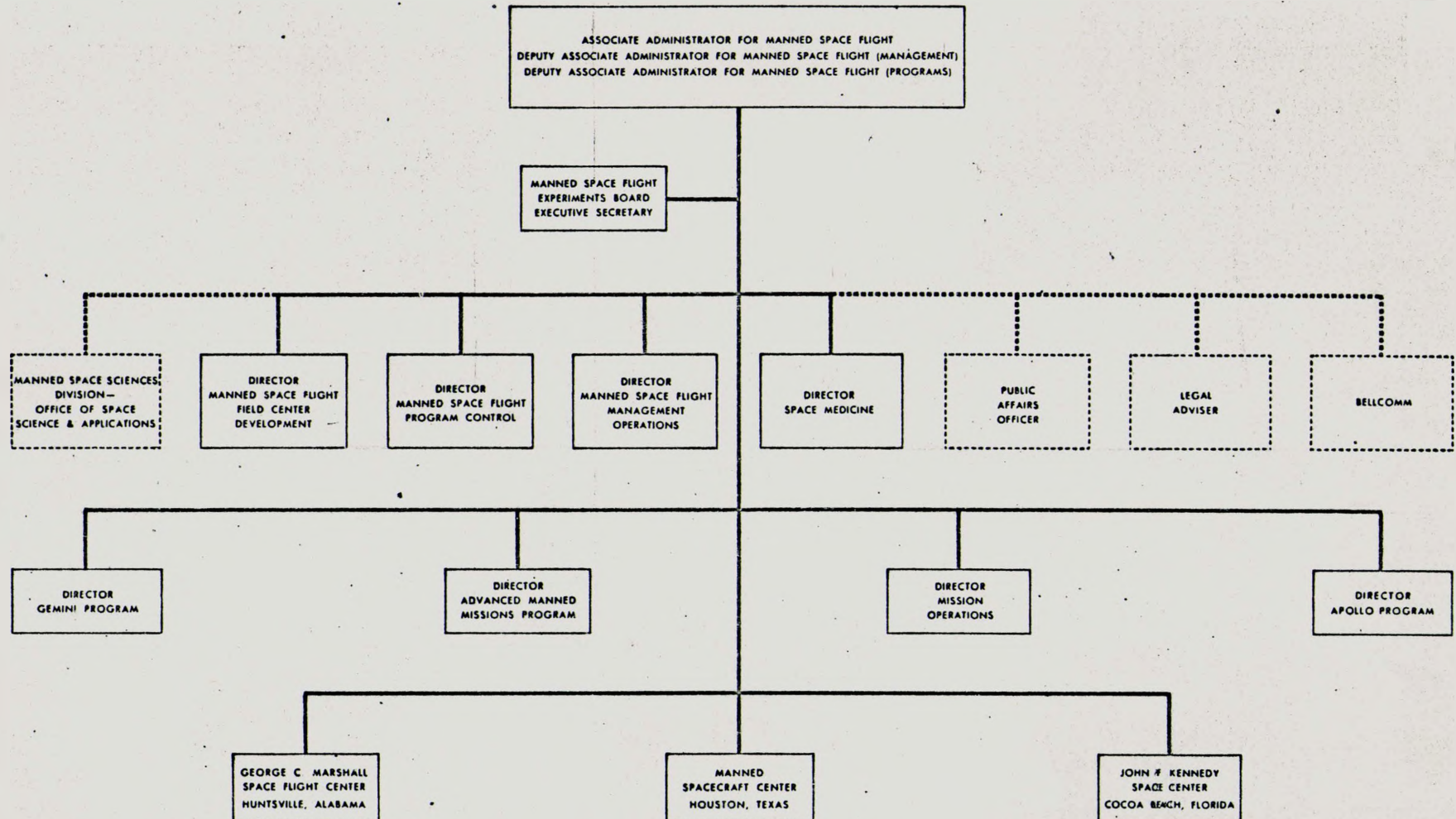
OFFICE OF THE ASSOCIATE ADMINISTRATOR FOR MANNED SPACE FLIGHT

APPROVED: *James E. Webb*
ADMINISTRATOR
DATE: November 1, 1963



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

OFFICE OF MANNED SPACE FLIGHT



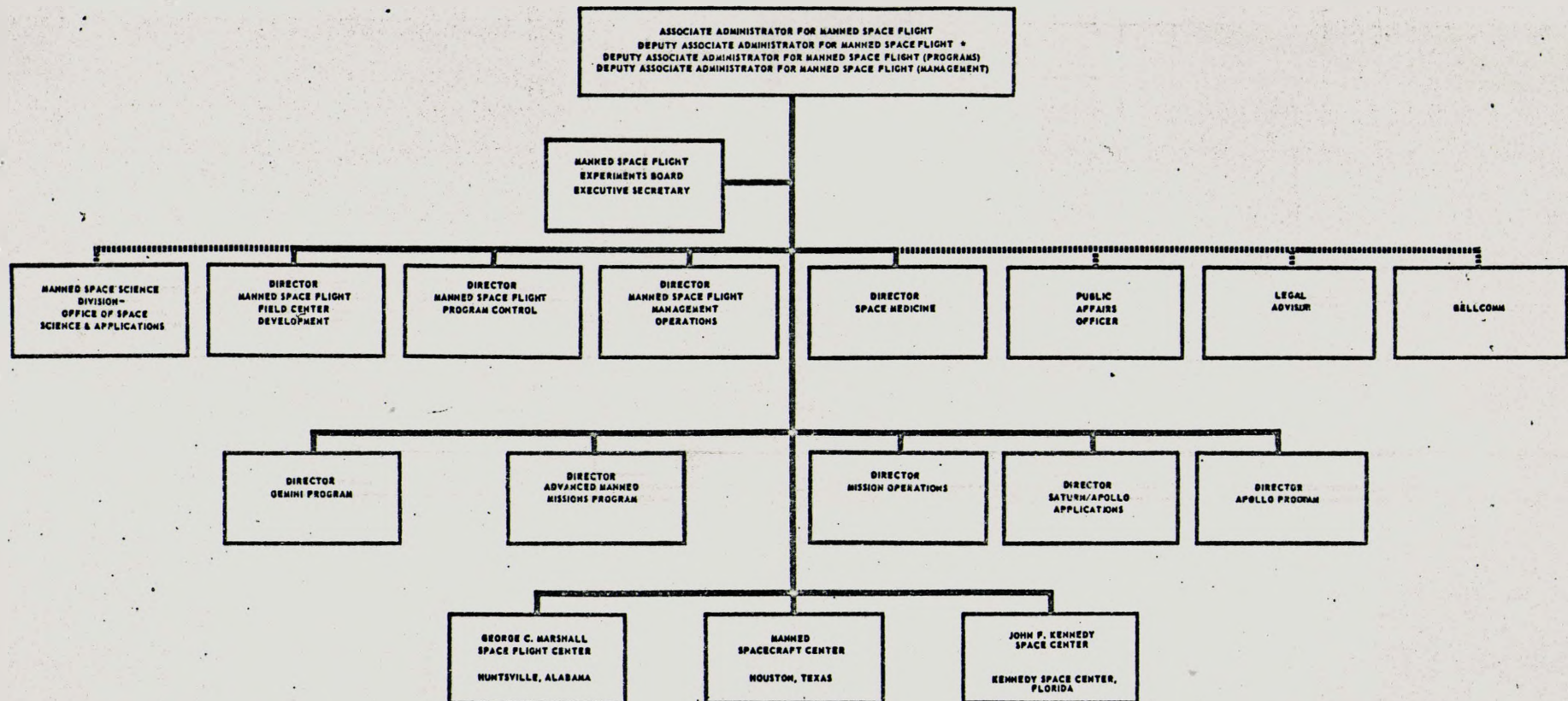
APPROVED:

James F. Webb
Dec 9, 1964

DATE:

A-II-1 (Sheet 4 of 7). December 1964

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
OFFICE OF MANNED SPACE FLIGHT**



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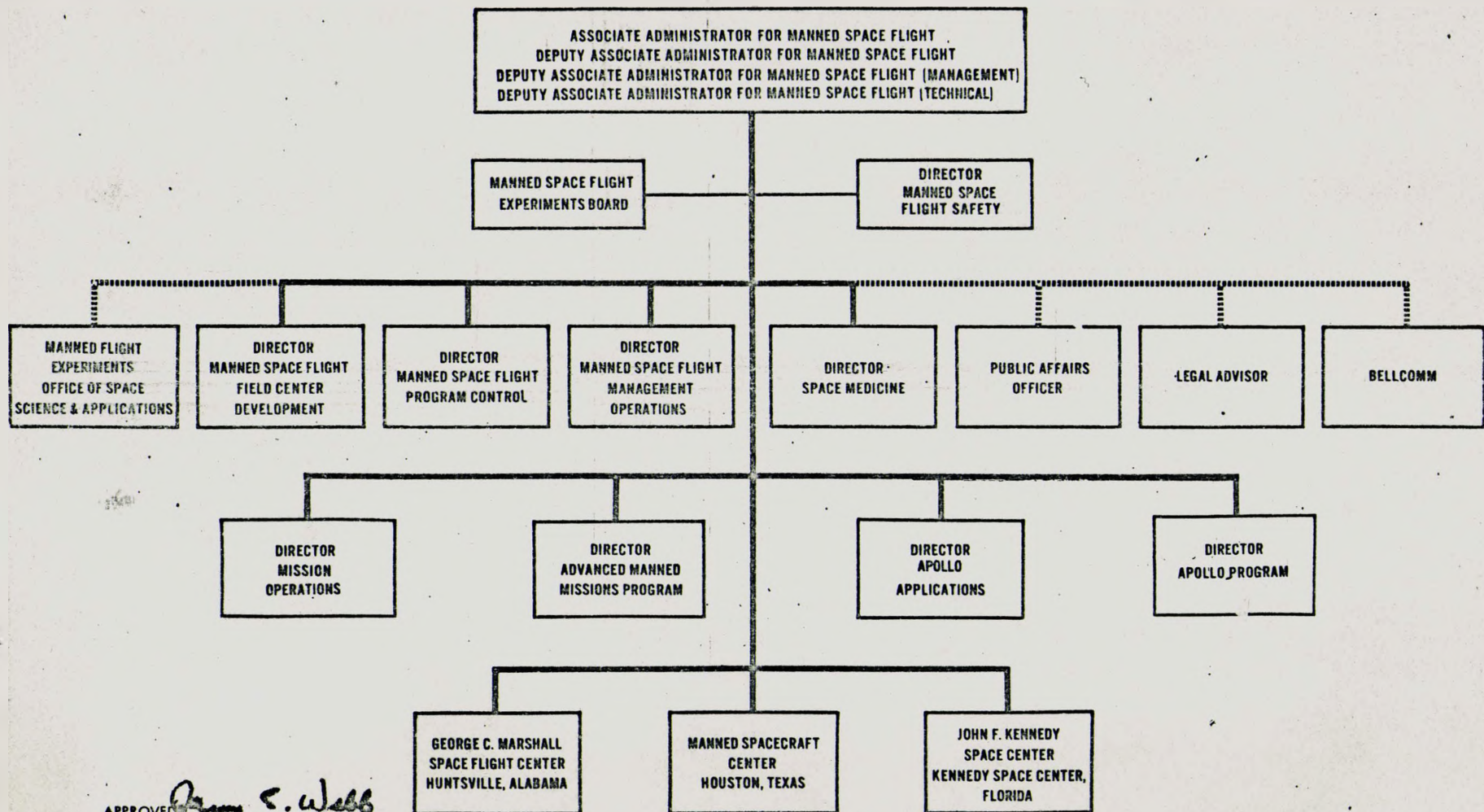
James E. Webb

DATE:

Aug. 6, 1965

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

OFFICE OF MANNED SPACE FLIGHT

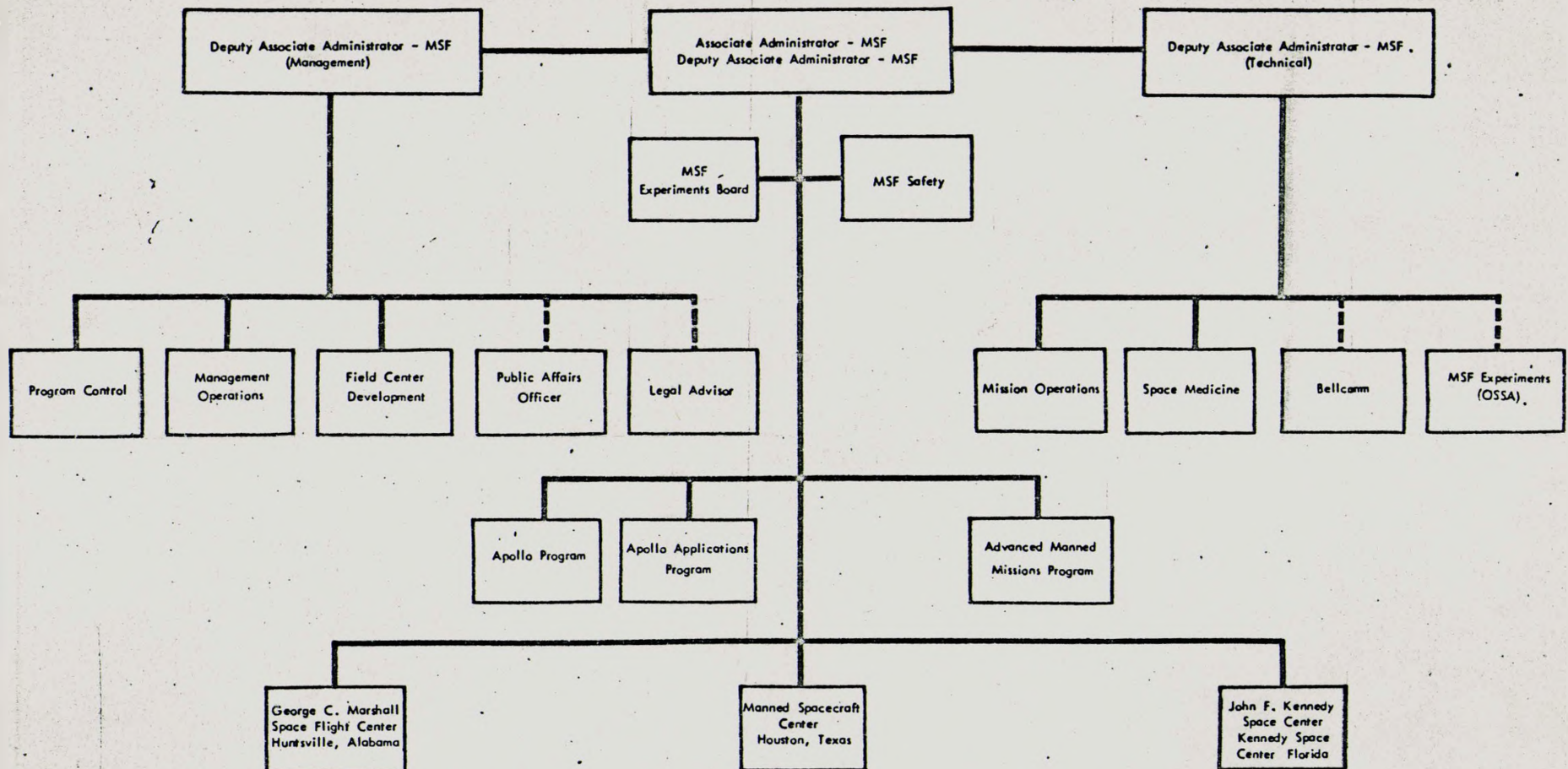


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DATE

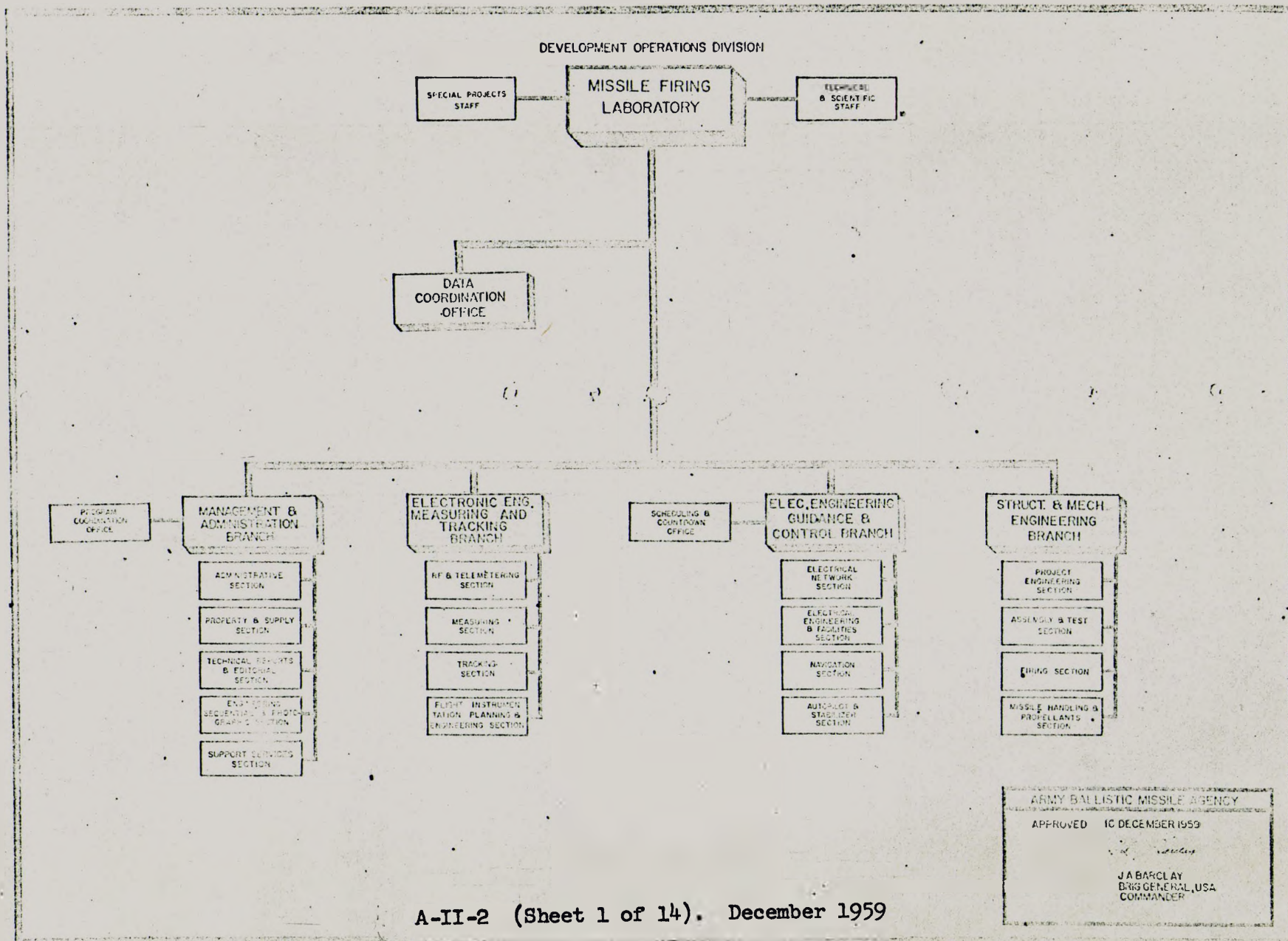
James E. Webb
Aug 23, 1967

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
OFFICE OF MANNED SPACE FLIGHT



Approved

Date



SPECIAL PROJECTS
STAFF
COPE DMP

ABMA MISSILE FIRING LABORATORY
DR DEBUS - DIRECTOR
DR GRUENE - DEPUTY DIRECTOR
MR HEISER - TECHNICAL ASSISTANT
ORDAB-DM

TECHNICAL AND
SCIENTIFIC STAFF
KNOTHE, BERTRAM, MATHEWS DMS

DATA COORDINATION
OFFICE
THOMAS-HEIDE DMC

Program Coordination
Office
Parker DMCO

MANAGEMENT &
ADMINISTRATION
BRANCH
PARKER-HARDIN DMC

ADMINISTRATIVE
SECTION
HOUSE DMCX

PROPERTY & SUPPLY
SECTION
GREEN DMCS

TECHNICAL REPORTS &
EDITORIAL SECTION
RUSSO DMCR

ENG SEQUENTIAL &
PHOTO-SECTION
CRAIN DMCP

SUPPORT SERVICES
SECTION
LT BONIFACE DMCM

ELEC ENG MEASURING &
TRACKING
BRANCH
SENDER-WILLIAMS DMT

RF TELEMETERING
SECTION
MCMATH DMTT

TRACKING
SECTION
WHITE DMTD

FLY TEST PLAN &
ANALYSIS SECTION
DR BRUNS DMTR

MEASURING
SECTION
WILKINSON DMT

Scheduling &
Countdown Staff
Childs-Twing DMGA

ELEC ENG GUIDANCE &
CONTROL
BRANCH
GRUENE-MOSER DMG

ELEC ENG & FACILITIES
SECTION
DODD DMGD

ELEC NETWORK
SECTION
RIGELL DMGE

NAVIGATION
SECTION
JENKE DMGN

AUTOPILOT &
STABILIZER SECTION
CHAMBERS DMGS

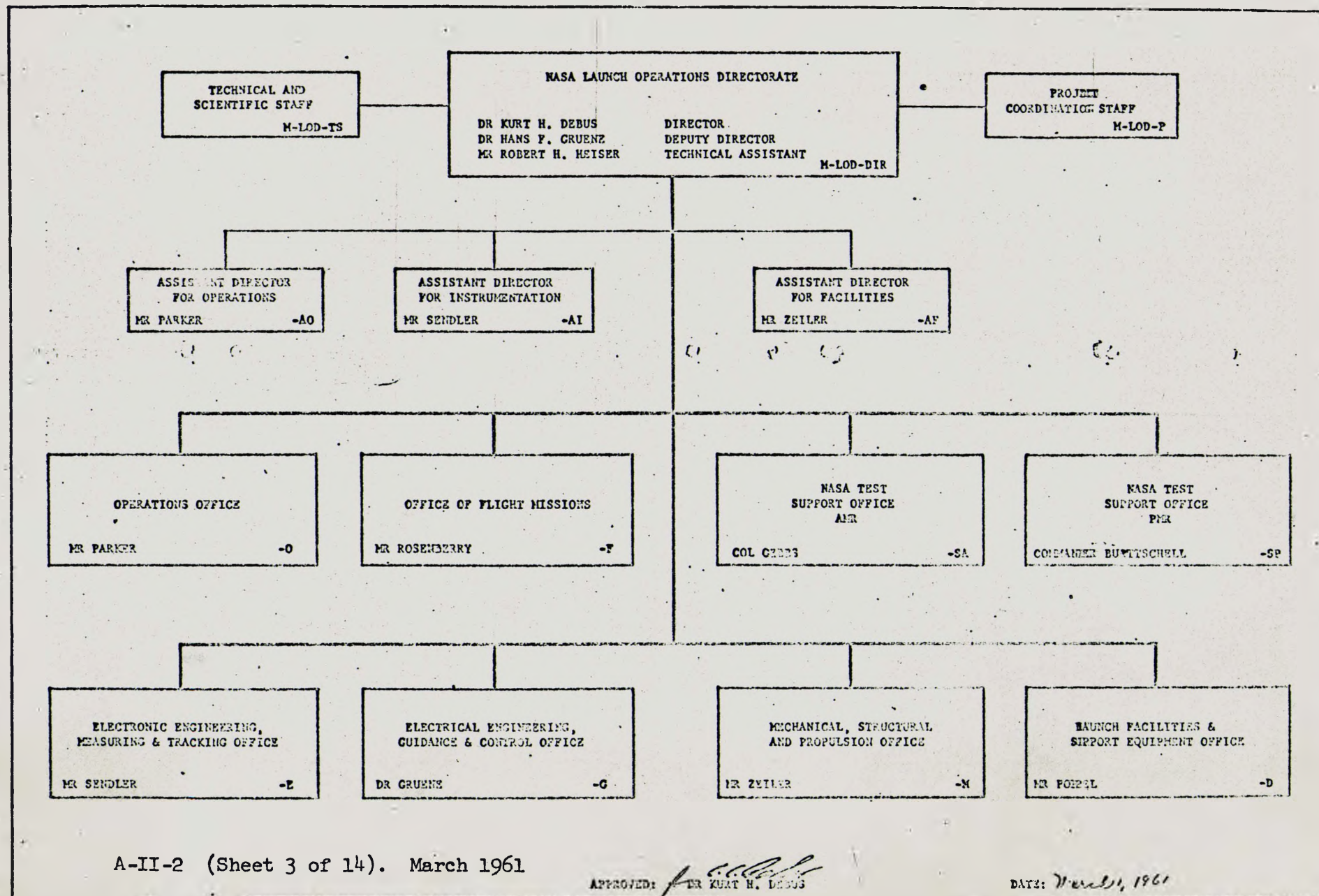
STRUCT & MECH
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BRANCH
ZEILER-GORMAN DMM

PROJECT ENGINEERING
SECTION
DEESE DMMP

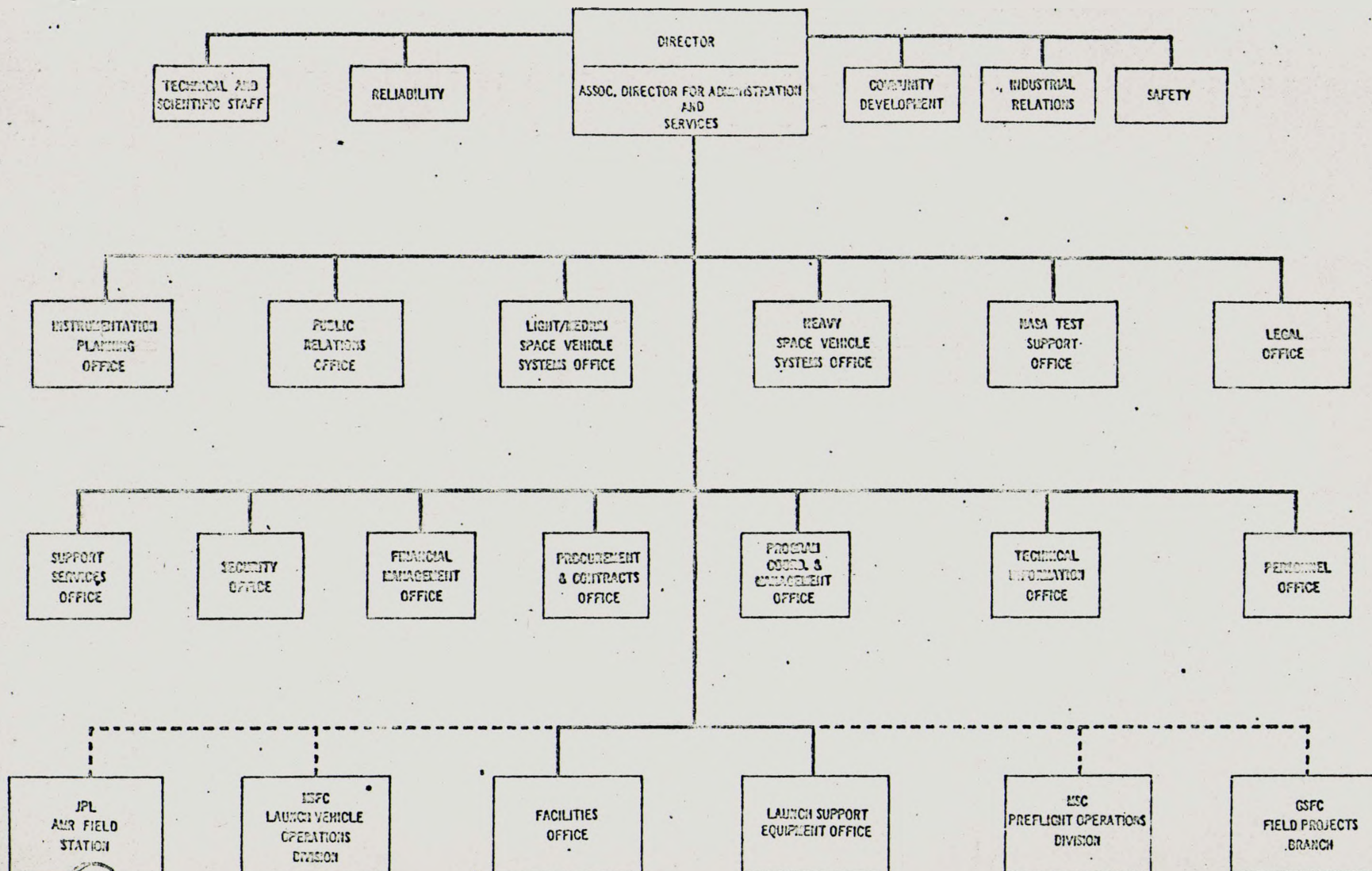
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MONTOLIANO DMMA

FIRING
SECTION
PICKETT DMME

MISSILE HANDLING &
PROPELLANTS SECTION
DMMH



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER



APPROVED:

James S. Webb
 Administrator, NASA

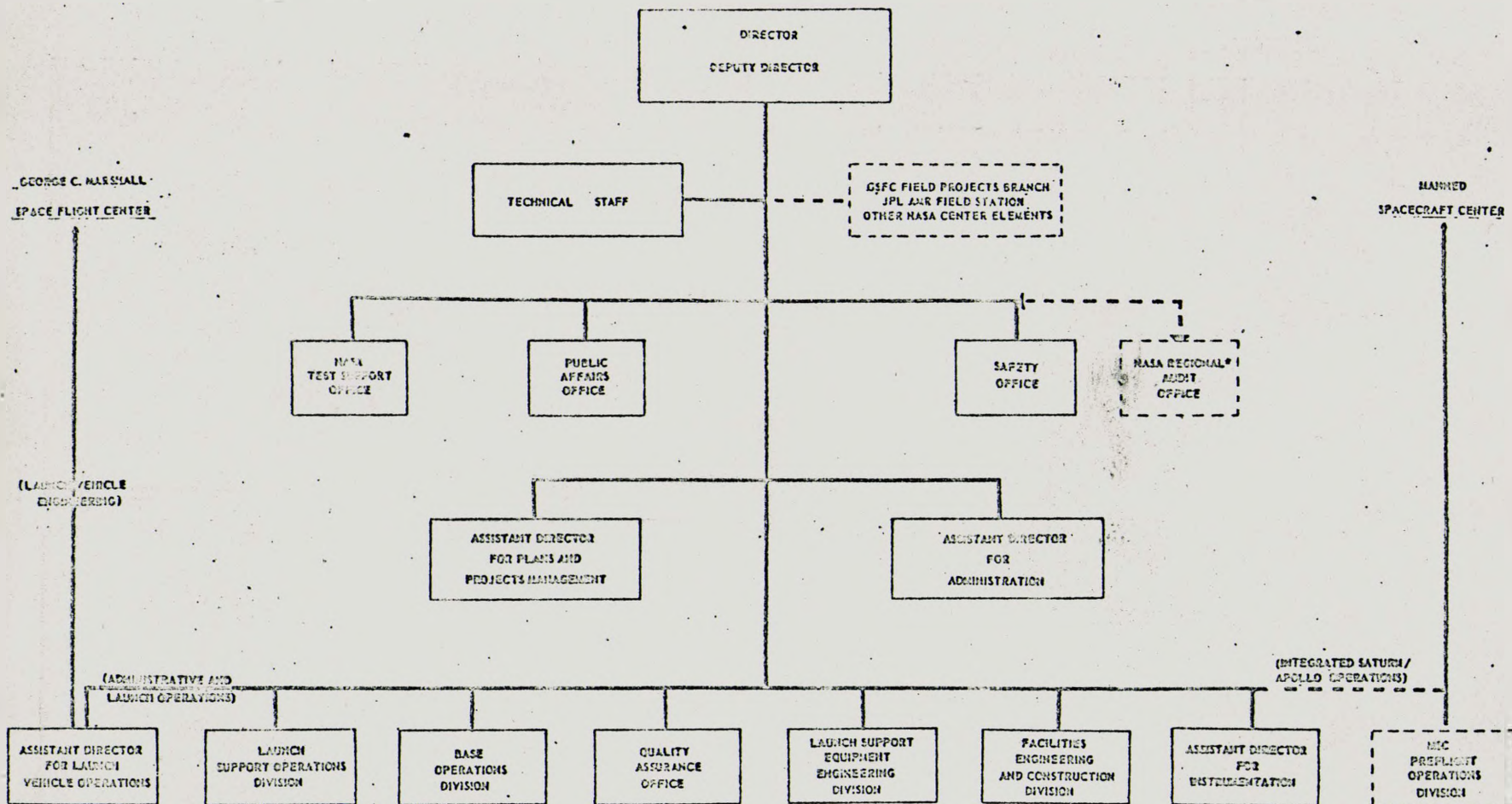
DATE:

June 27, 1962

A-II-2 (Sheet 4 of 14). June 1962

* DIRECTOR OF LOC ALSO SERVES AS DIRECTOR OF LVOD.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER
Cocoa Beach, Florida

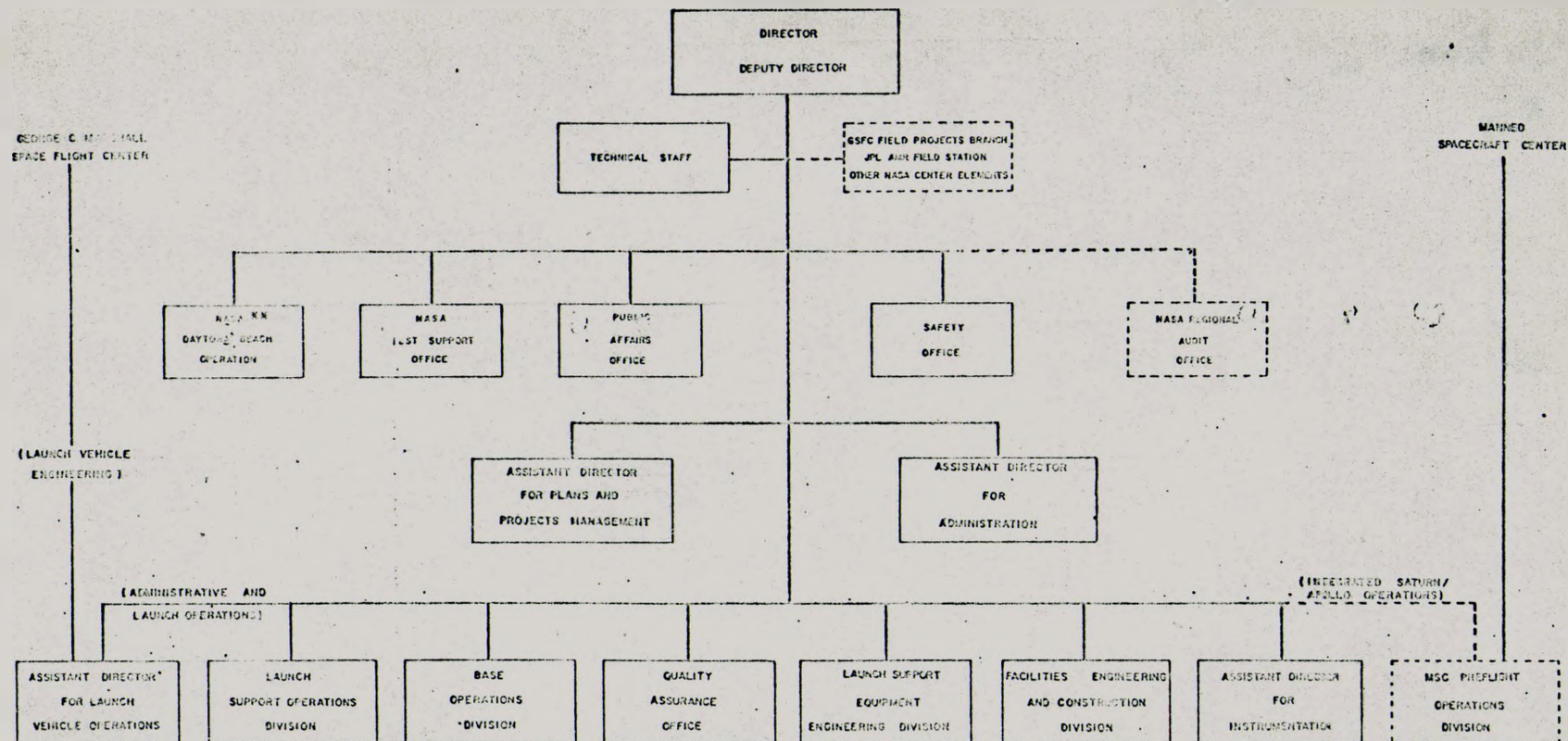


APPROVED: *Hugh L. Dryden*
DEPUTY ADMINISTRATOR, NASA

DATE: *April 24, 1963*

*REPORTS ADMINISTRATIVELY AND TECHNICALLY TO DIRECTOR OF AUDIT, NASA, WASHINGTON, D. C.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER
COCOA BEACH, FLORIDA

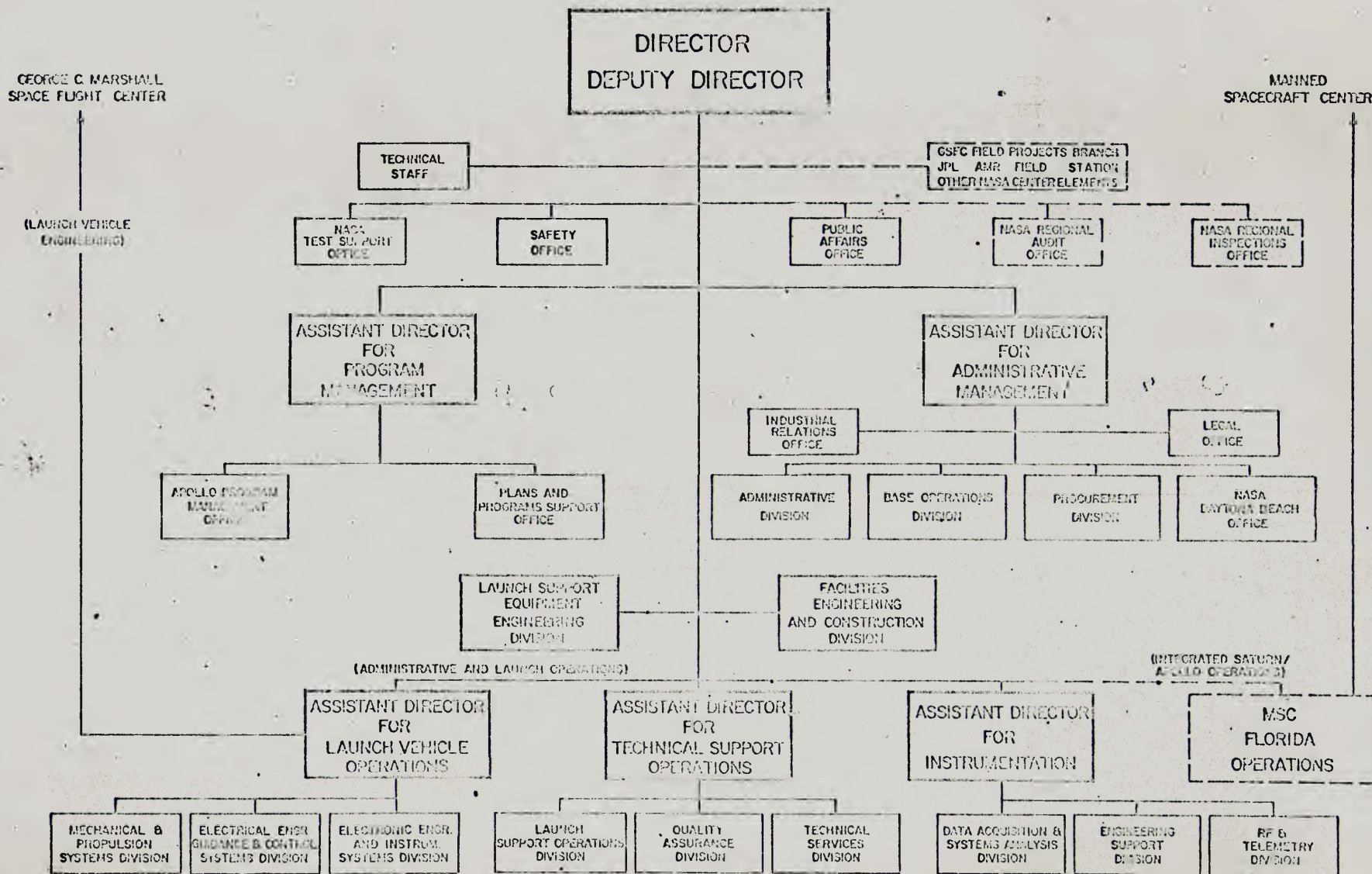


* REPORTS ADMINISTRATIVELY AND TECHNICALLY TO DIRECTOR OF AUDITS, NASA, WASHINGTON, D.C.
AUTHORITY: NASA CIRCULAR NO. 267A, DATED JUNE 17, 1963

LAUNCH OPERATIONS CENTER

APPROVED
Date: 7/7/63
KURT H. DEWAS
DIRECTOR

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA



APPROVED: *Flight Engineer* DATE: *1/15/64*

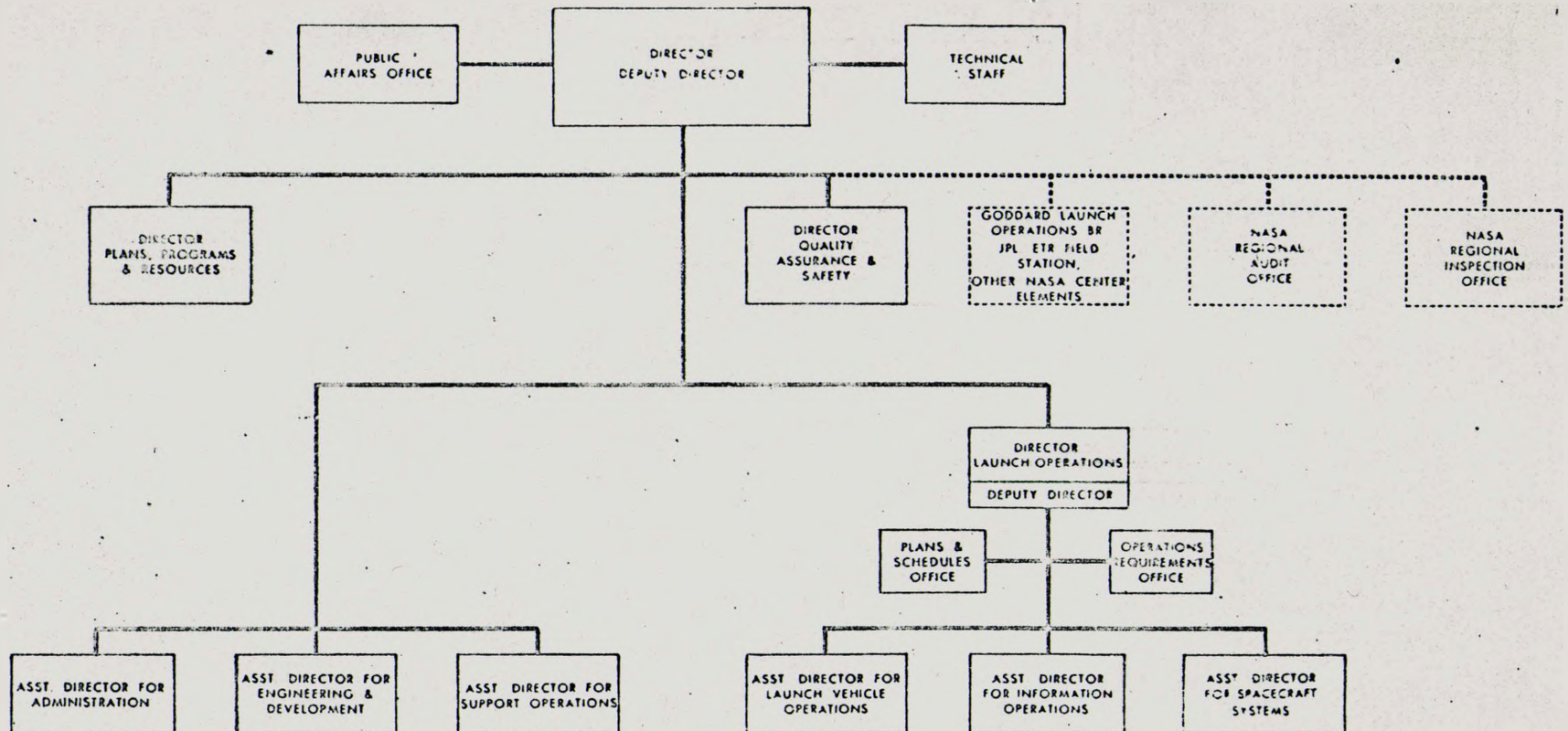
Deputy ADMINISTRATOR, NASA

A-II-2 (Sheet 7 of 14). January 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

JOHN F. KENNEDY SPACE CENTER

COCOA BEACH, FLORIDA



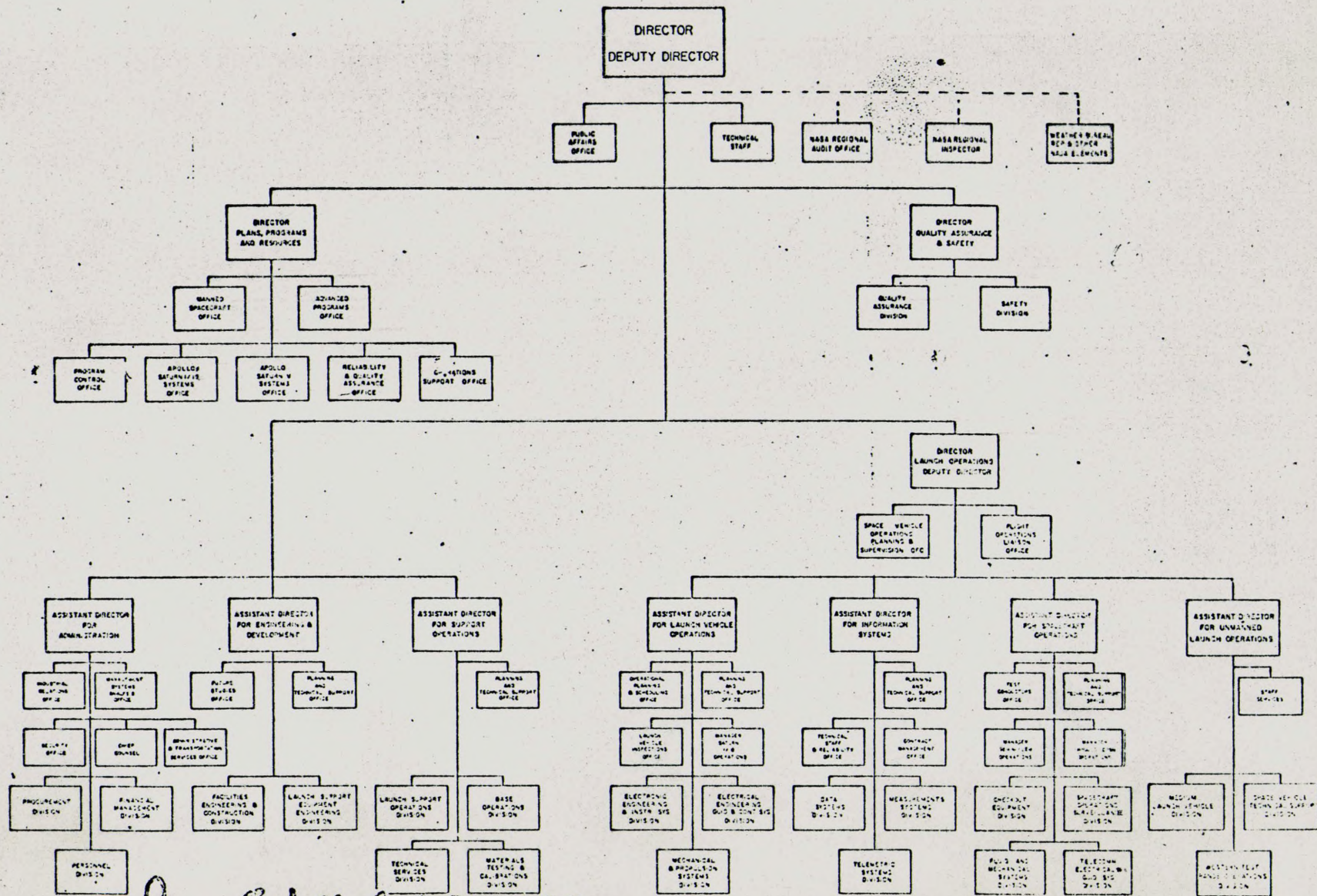
APPROVED:

James F. Webb

DATE:

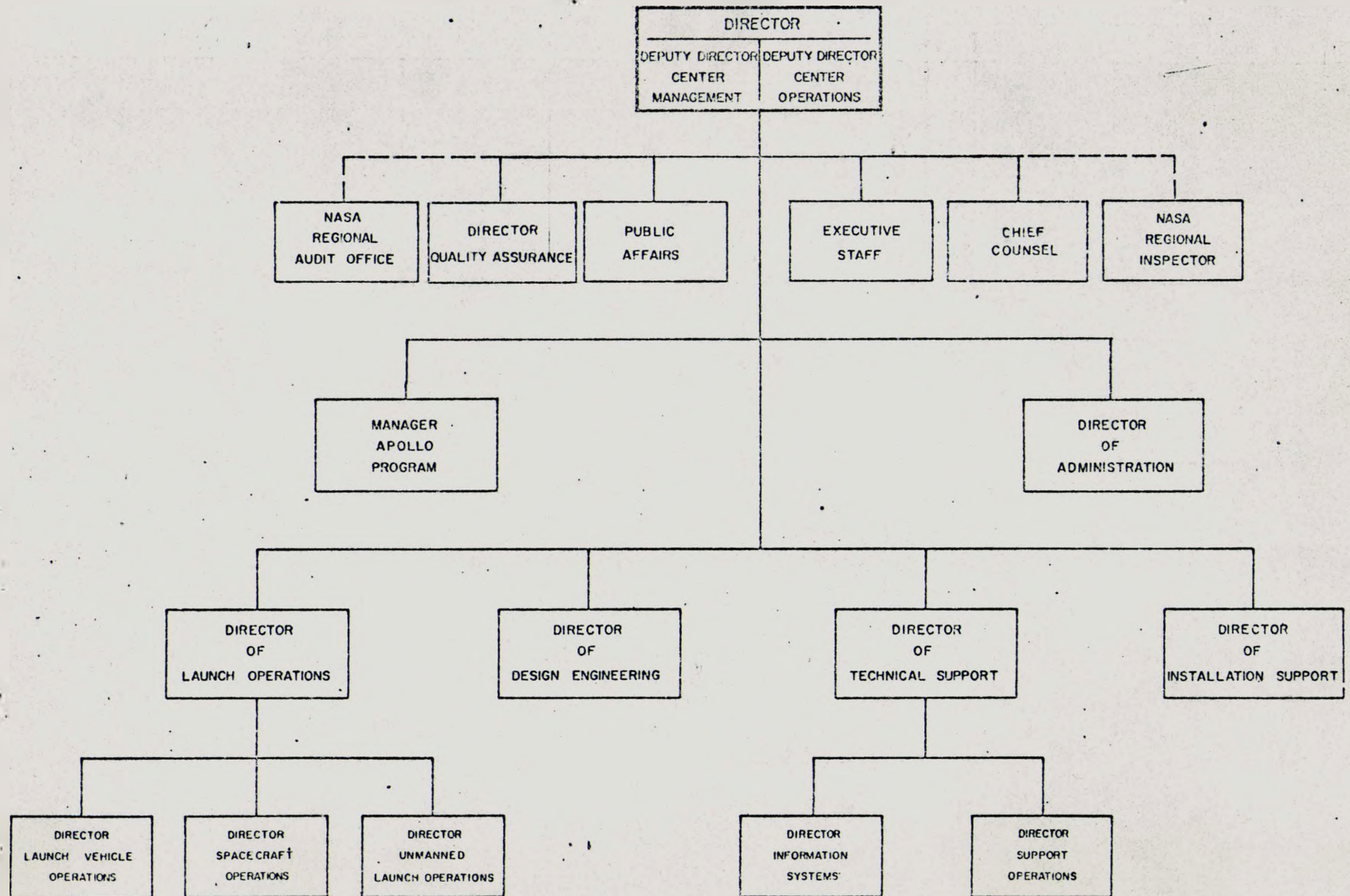
Dec 7, 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER
FLORIDA



APPROVED: Y. S. S.
1204574404, NAS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER
FLORIDA

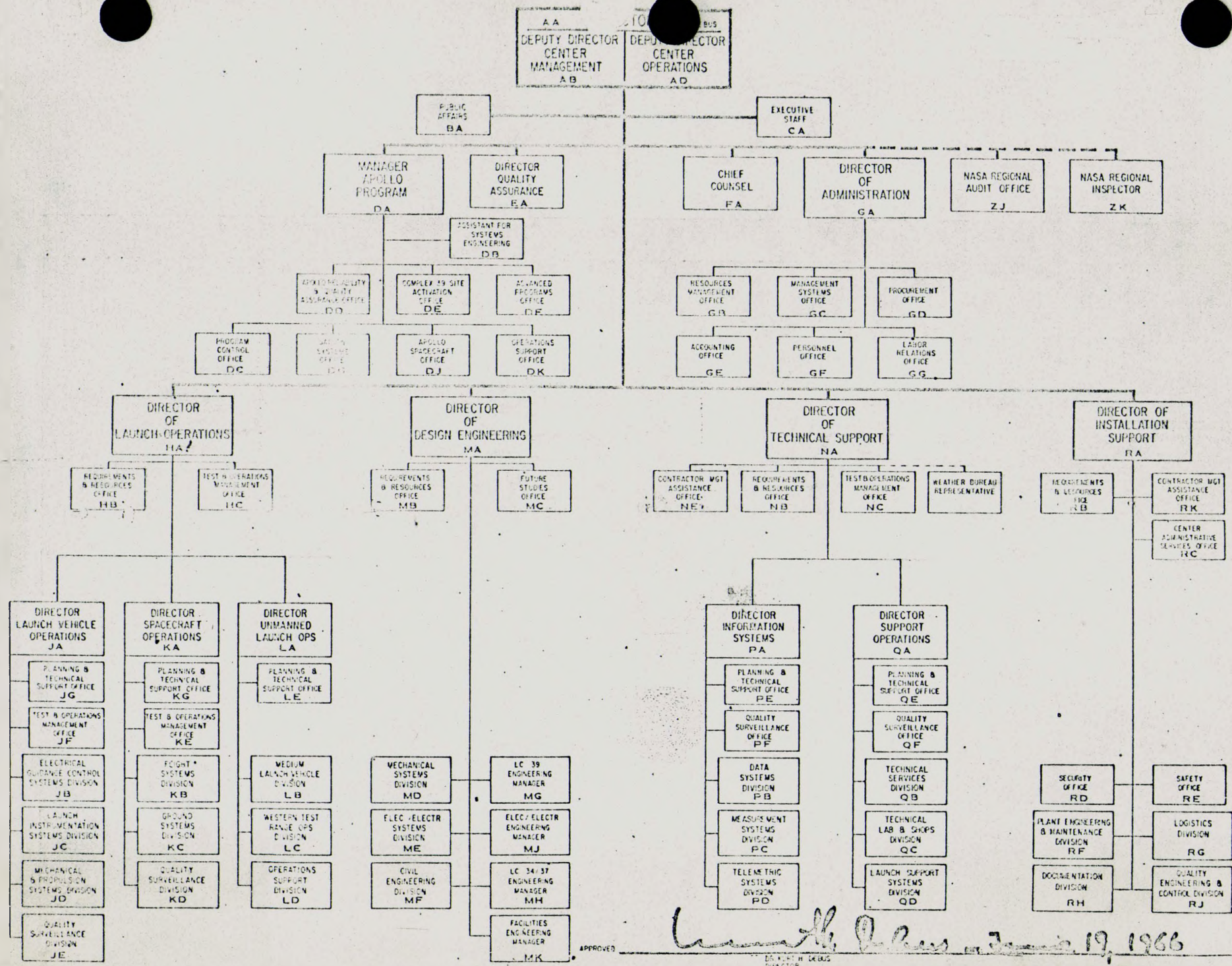


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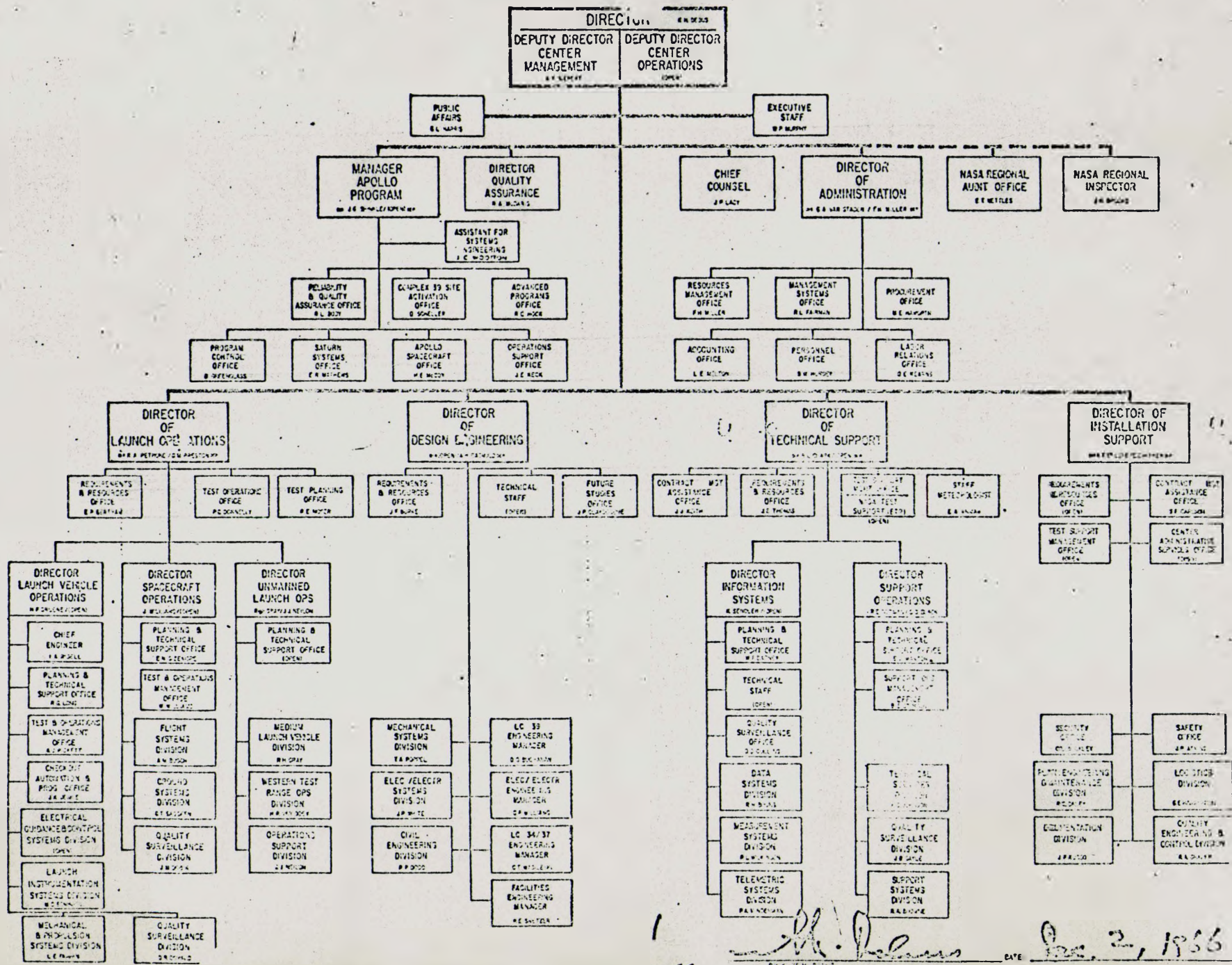
James E. Webb
ADMINISTRATOR, NASA

DATE

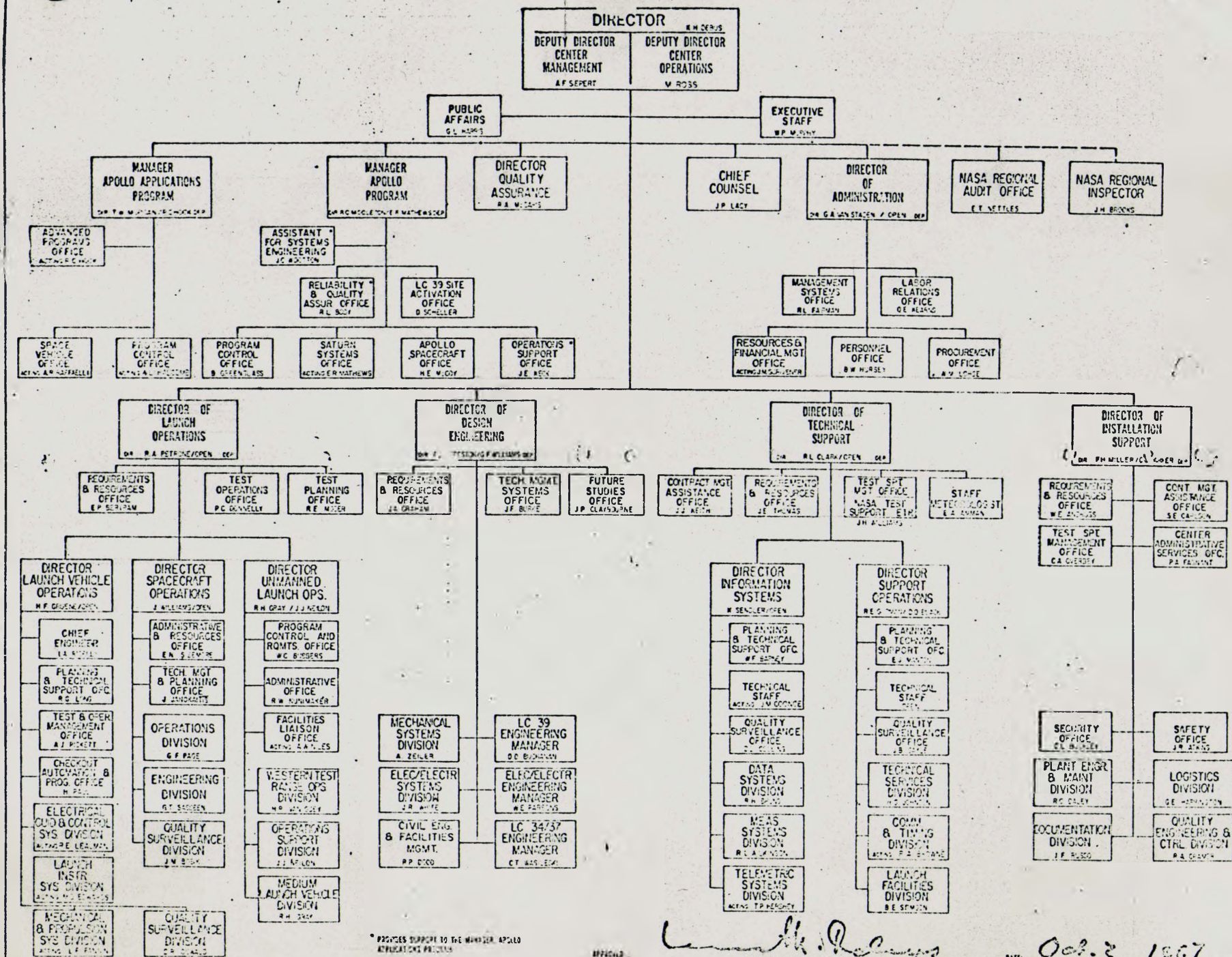
April 27, 1966



CENTER, NASA

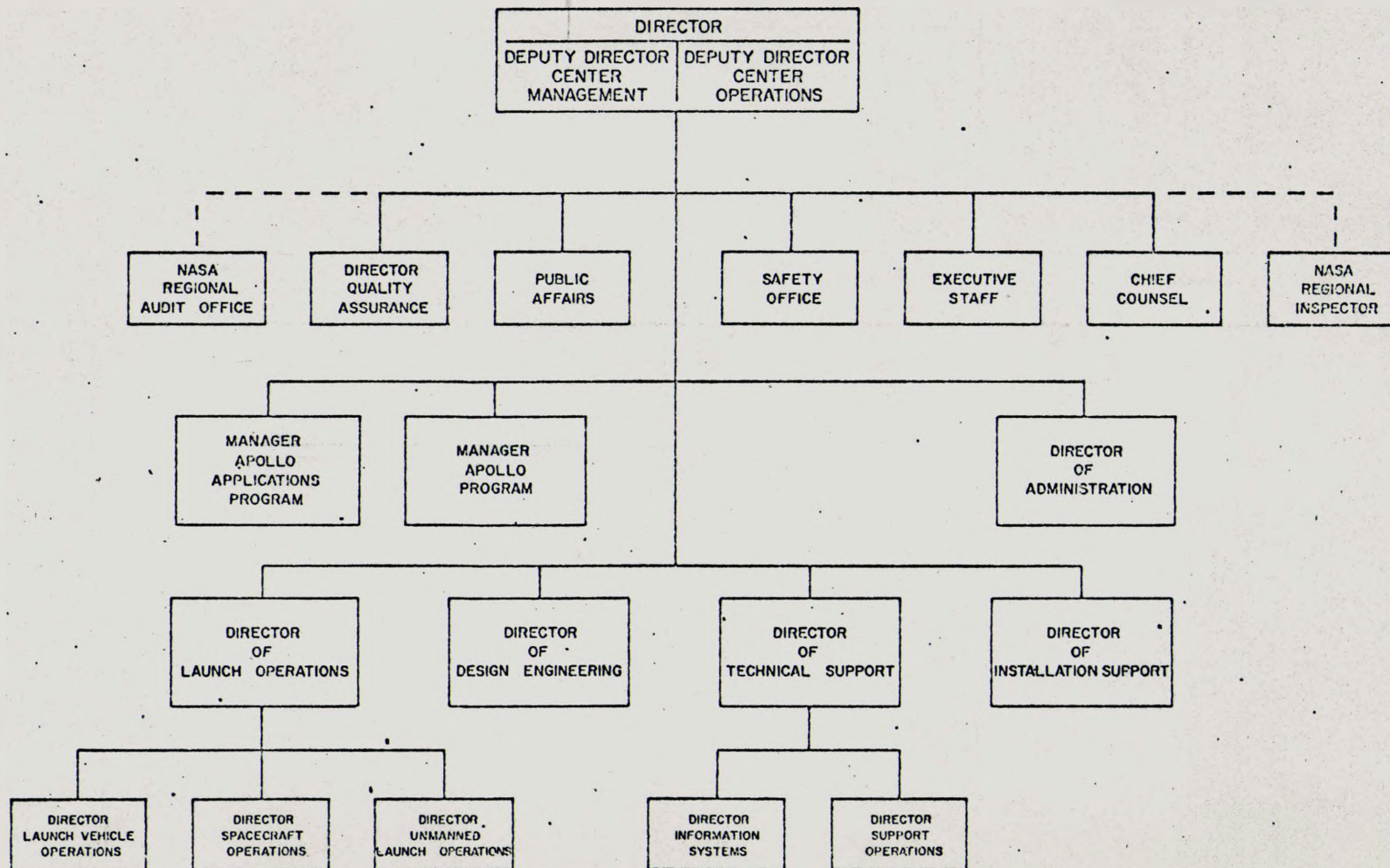


JOHN F. KENNEDY SPACE CENTER, NASA



DATE: Oct. 2, 1967

JOHN F. KENNEDY SPACE CENTER, NASA FLORIDA



A-II-2 (Sheet 14 of 14). January 1968

APPROVED

James E. Webb
ADMINISTRATOR, NASA

DATE

Jan 3, 1968

SPACE TASK GROUP

APPROVED: *Robert R. Gilruth*
 ROBERT R. GILRUTH
 DIRECTOR OF PROJECT MERCURY
 DATE: SEPTEMBER 15, 1959

R. R. GILRUTH - DIRECTOR OF PROJECT MERCURY
 C. J. DONLAN - ASSOCIATE DIRECTOR OF PROJECT MERCURY (DEVEL.)
 W. C. WILLIAMS - ASSOCIATE DIRECTOR OF PROJECT MERCURY (OPER.)

COL. K. G. LINDELL - USAF
 LT. COL. M. L. RAINES - USA
 CDR. P. L. RAVENSTEIN - USN
 W. K. JOHNSON, NASA - LANGLEY

P. E. PURSER - SPEC. ASST.
 J. A. CHAMBERLIN - TECH. ASST.
 R. L. ZAVASKY - EXEC. ASST.

PUBLIC AFFAIRS OFFICER
 J. A. POWERS

STAFF SERVICES
 B. H. GOODWIN
 G. W. BOSWICK, JR.

ASTRONAUTS AND TRAINING
 K. G. LINDELL - HEAD
 W. K. DOUGLAS - FLT. SURGEON
 R. B. VOAS - TRAINING OFFICER

TECHNICAL SERVICES
 J. A. KINZLER

FLIGHT SYSTEMS DIVISION
 M. A. FAGET - CHIEF
 R. O. PILAND - ASST. CHIEF
 J. T. MANKLEY - EXEC. ENGR.

OPERATIONS DIVISION
 C. W. MATHEWS - CHIEF
 G. M. PRESTON - ASST. CHIEF (IMPL.)
 C. C. KRAFT, JR. - ASST. CHIEF (PLANS AND ARRANG.)
 C. C. CRITZOS - EXEC. ENGR.

ENGINEERING AND CONTRACT ADMINISTRATION
 DIVISION
 J. A. CHAMBERLIN - ACTING CHIEF
 A. J. MEYER, JR. - ASSISTANT CHIEF
 N. F. SMITH - EXEC. ENGINEER

SPACE TASK GROUP

APPROVED: *Robert R. Gilruth*
Robert R. Gilruth
DIRECTOR OF PROJECT MERCURY
DATE: JANUARY 11, 1960

R. R. GILRUTH - DIRECTOR OF PROJECT MERCURY
C. J. DONLAN - ASSOCIATE DIRECTOR OF PROJECT MERCURY (DEVEL.)
W. C. WILLIAMS - ASSOCIATE DIRECTOR OF PROJECT MERCURY (OPER.)

COL. K. G. LINDELL - USAF
LT. COL. M. L. RAINES - USA
CDR. P. L. HAVENSTEIN - USN
W. K. JOHNSON, NASA - LANGLEY

P. E. PURSER - SPEC. ASST.
K. S. KLEINGEHECHT - TECH. ASST.
R. L. ZAVASKY - EXEC. ASST.
M. A. BYRNES, JR. - STAFF ASST.

PERSONNEL OFFICE
B. H. GOODWIN

BUDGET AND FINANCE OFFICE
J.P. DONOVAN

PROCUREMENT AND SUPPLY OFFICE
G. F. BAILEY

ADM. SERVICES OFFICE
G. W. BOSWICK, JR.

ASTRONAUTS AND TRAINING
K. G. LINDELL - HEAD
W. K. DOUGLAS - FLT. SURGEON
R. B. VOAS - TRAINING OFFICER

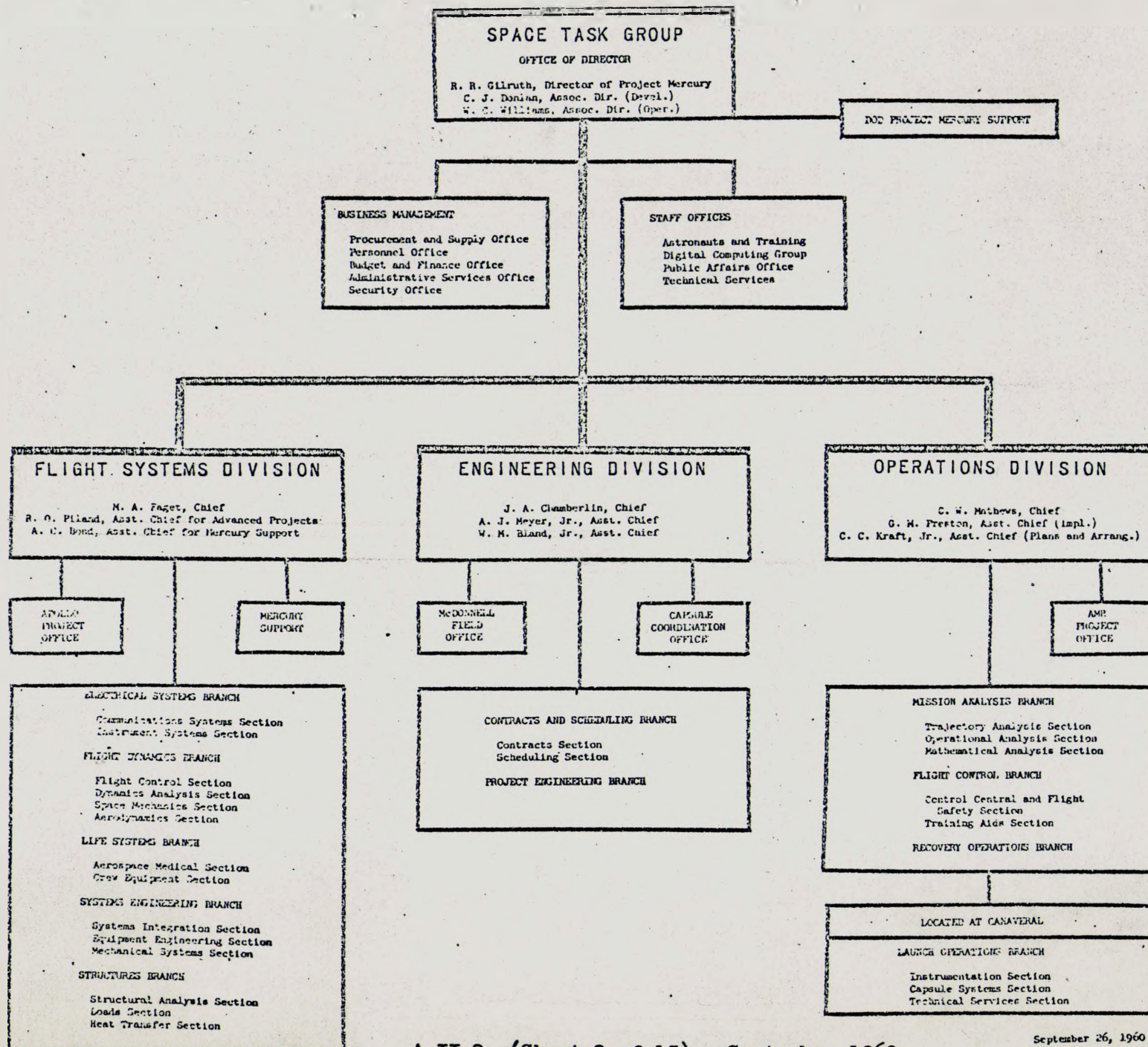
PUBLIC AFFAIRS OFFICE
J. A. POWERS

TECHNICAL SERVICES
J. A. KINZLER

FLIGHT SYSTEMS DIVISION
M. A. FROST, CHIEF
R. O. PILAND - ASST. CHIEF
J. T. MARKLEY - EXEC. ENGR.

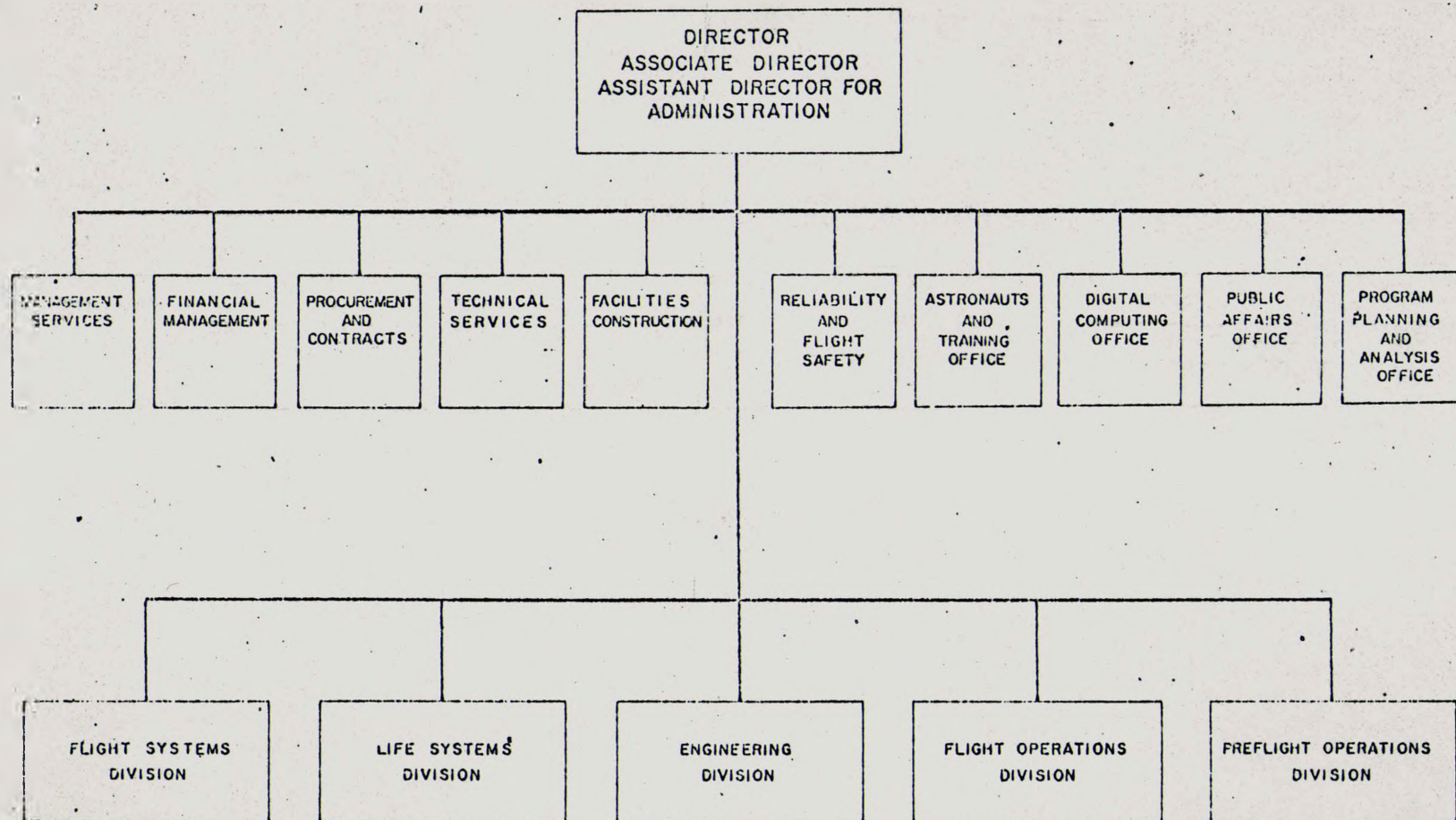
OPERATIONS DIVISION
C. W. MATHEWS, CHIEF
G. M. PRESTON - ASST. CHIEF (IMPL.)
C. C. KRAFT, JR. - ASST. CHIEF (PLANS AND ARRANG.)
C. C. CRITZOS - EXEC. ENGR.

ENGINEERING DIVISION
J. A. CHAMBERLIN - CHIEF
A. J. MEYER, JR. - ASST. CHIEF
N. F. SMITH - EXEC. ENGINEER

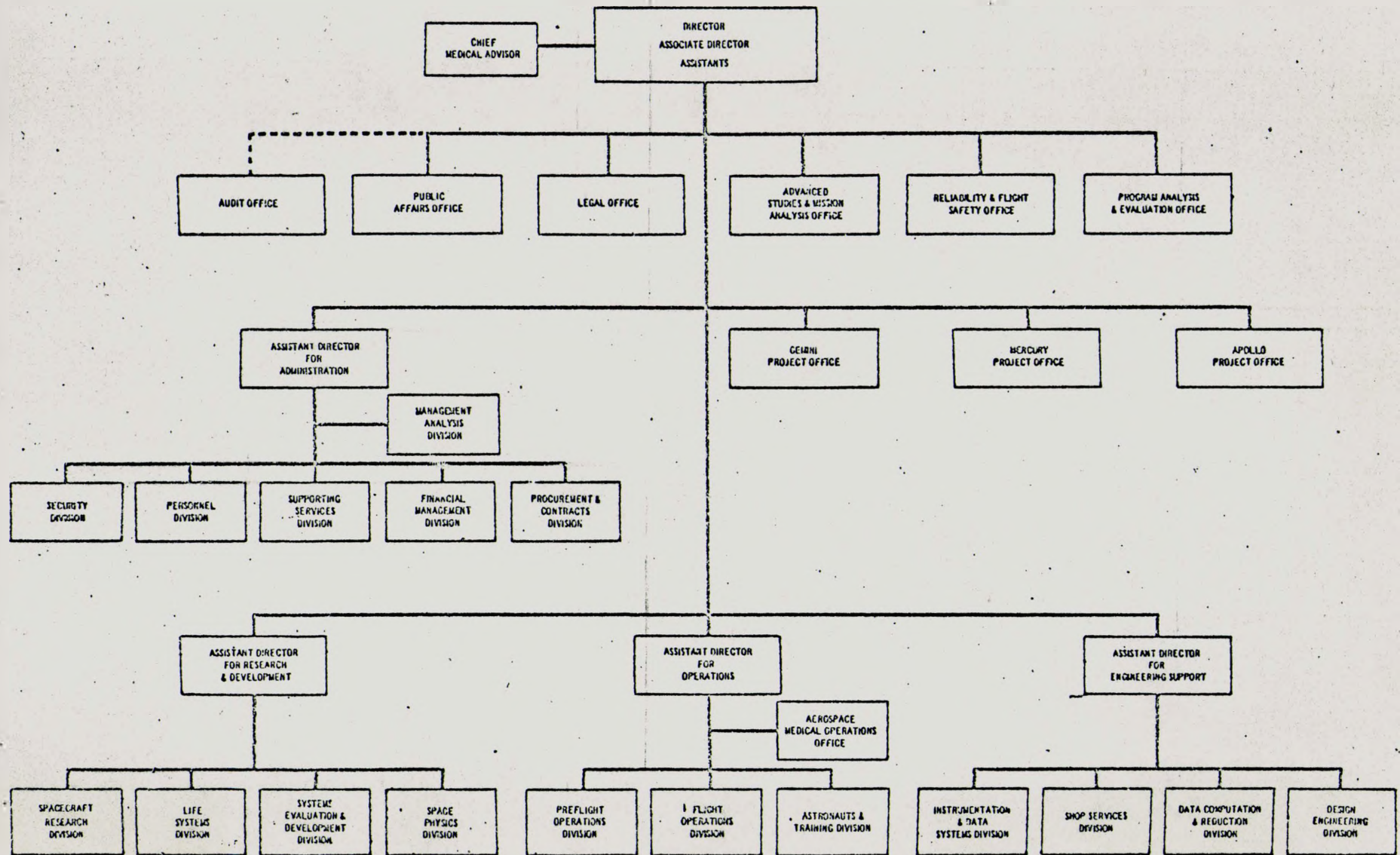


CURRENT ORGANIZATION

MANNED SPACECRAFT CENTER



MANNED SPACECRAFT CENTER



APPROVED

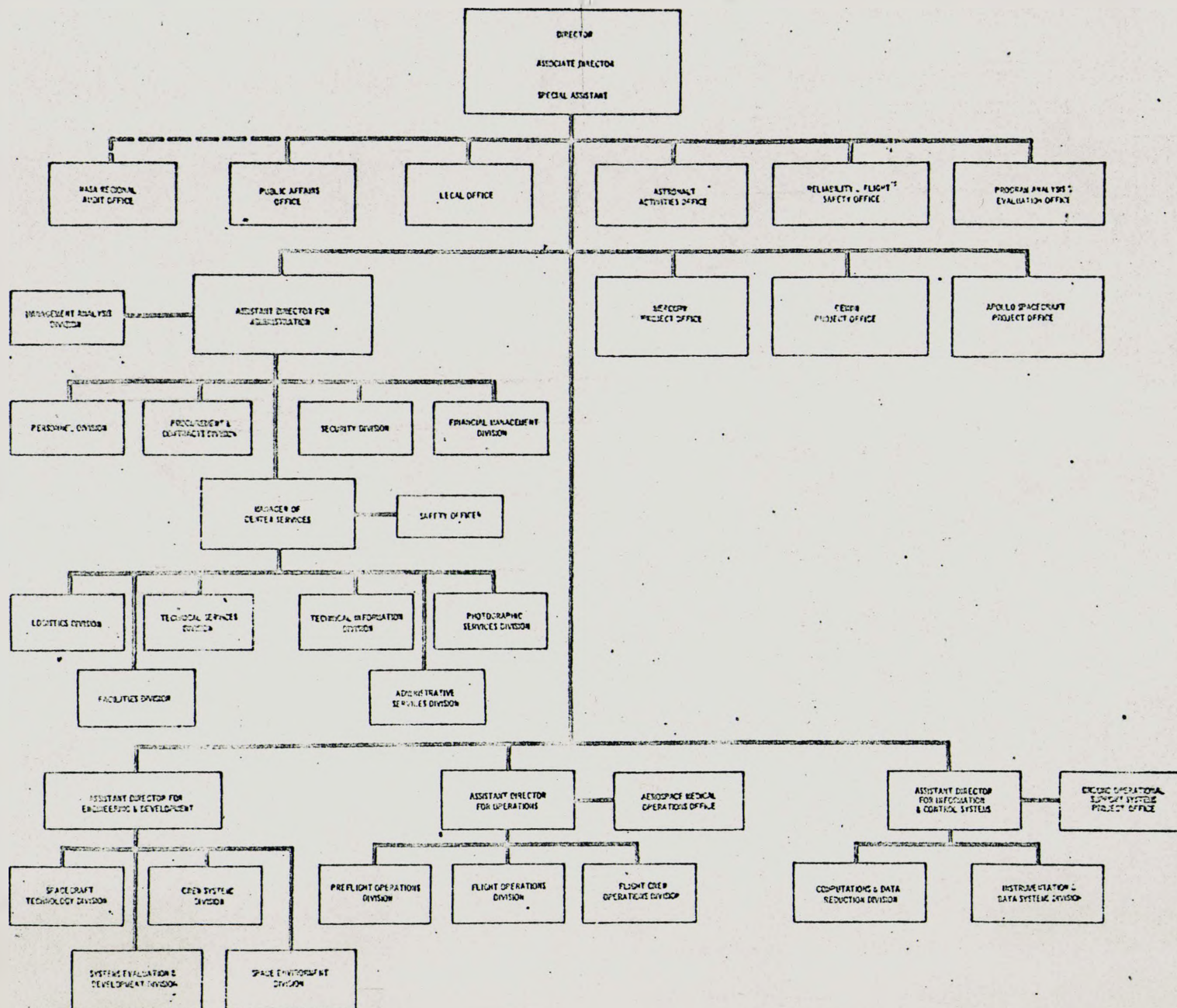
James E. Wall

ADMINISTRATOR, NASA

DATE

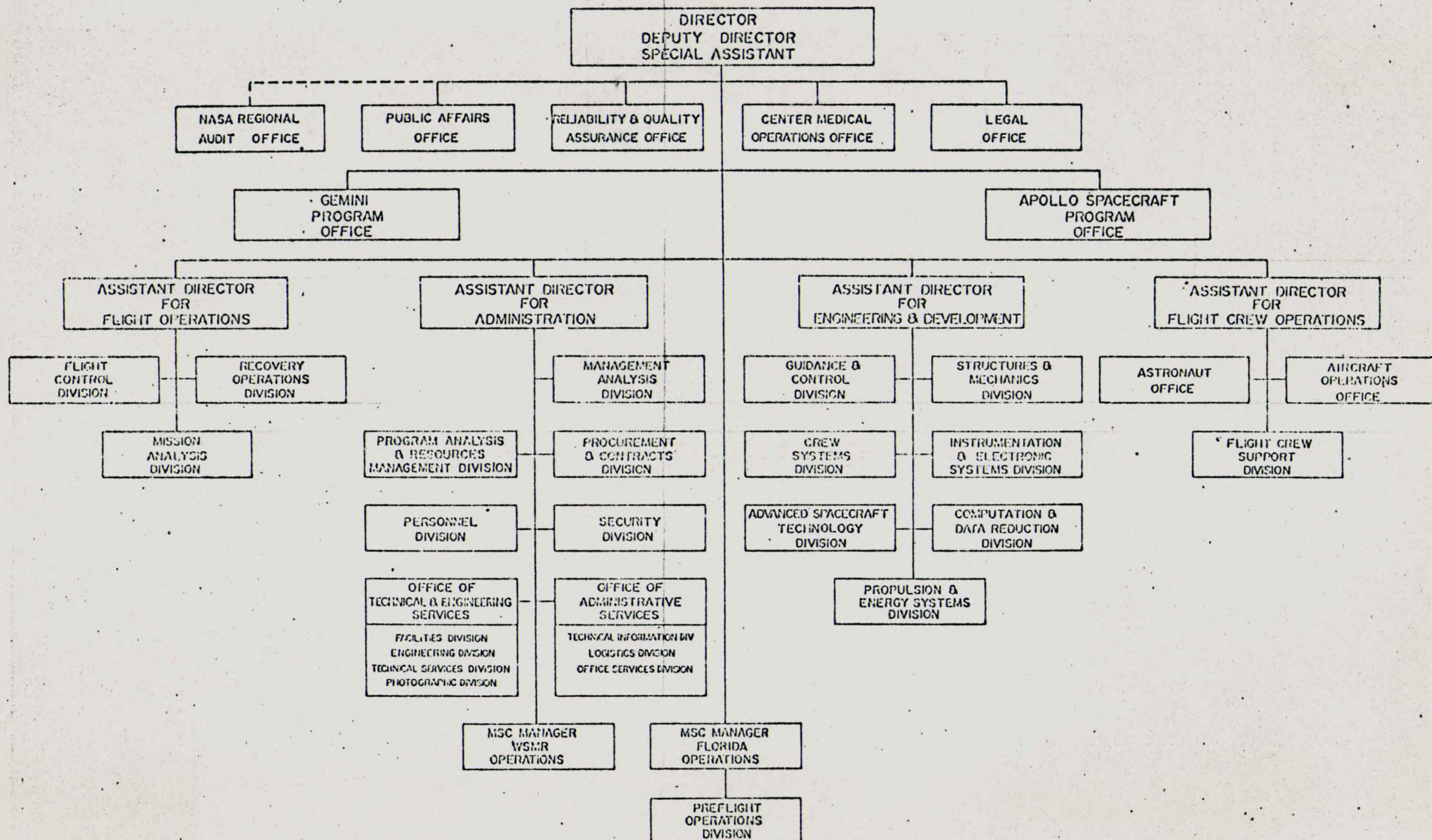
March 5, 1962

ANNED SPACECRAFT CENTER

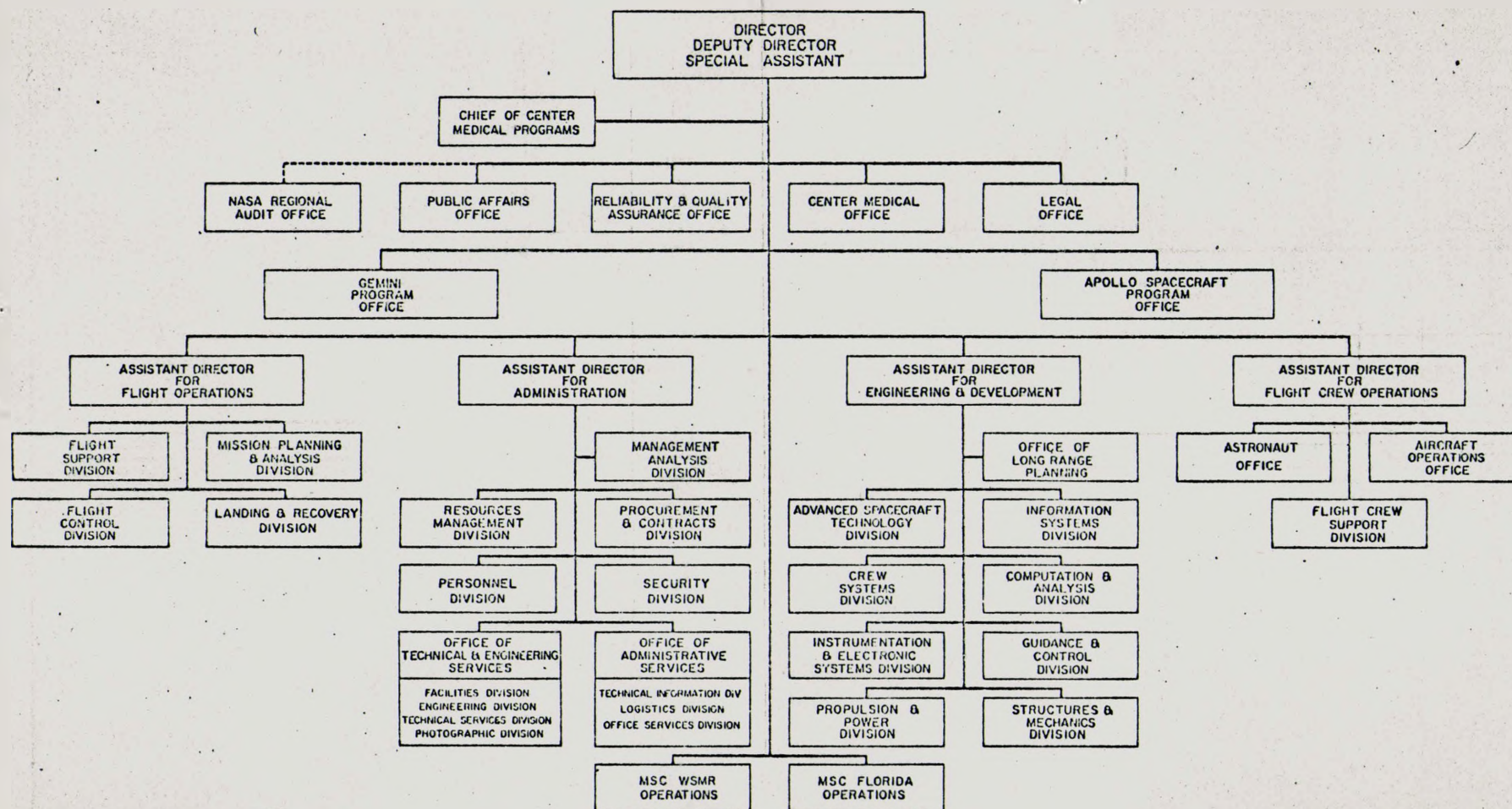


APPROVED
DATE *James E. Webb*
Oct. 3, 1962

MANNED SPACECRAFT CENTER ORGANIZATION CHART

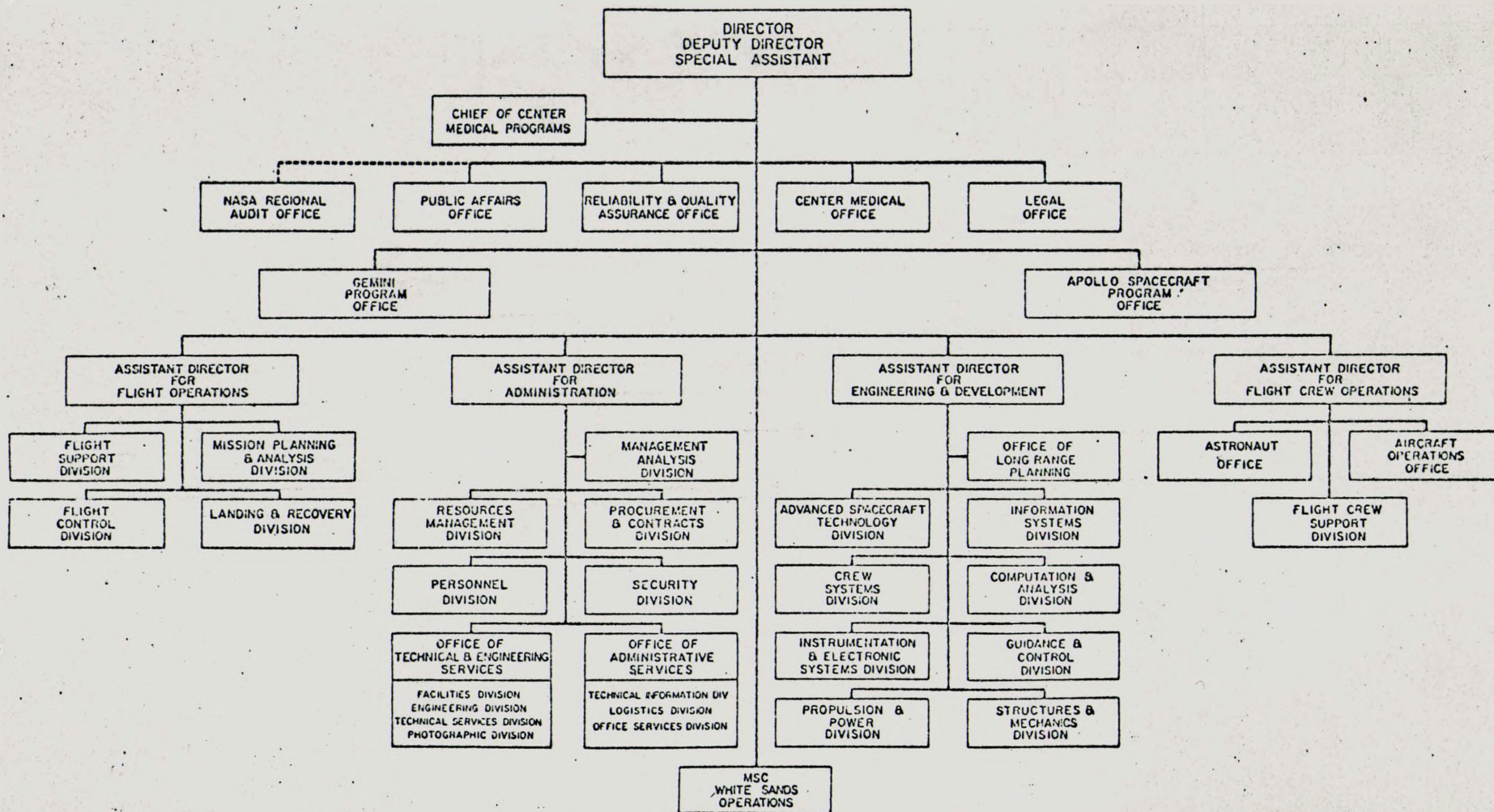


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS



APPROVED Hugh L. Dryden
DATE Aug 13, 1964

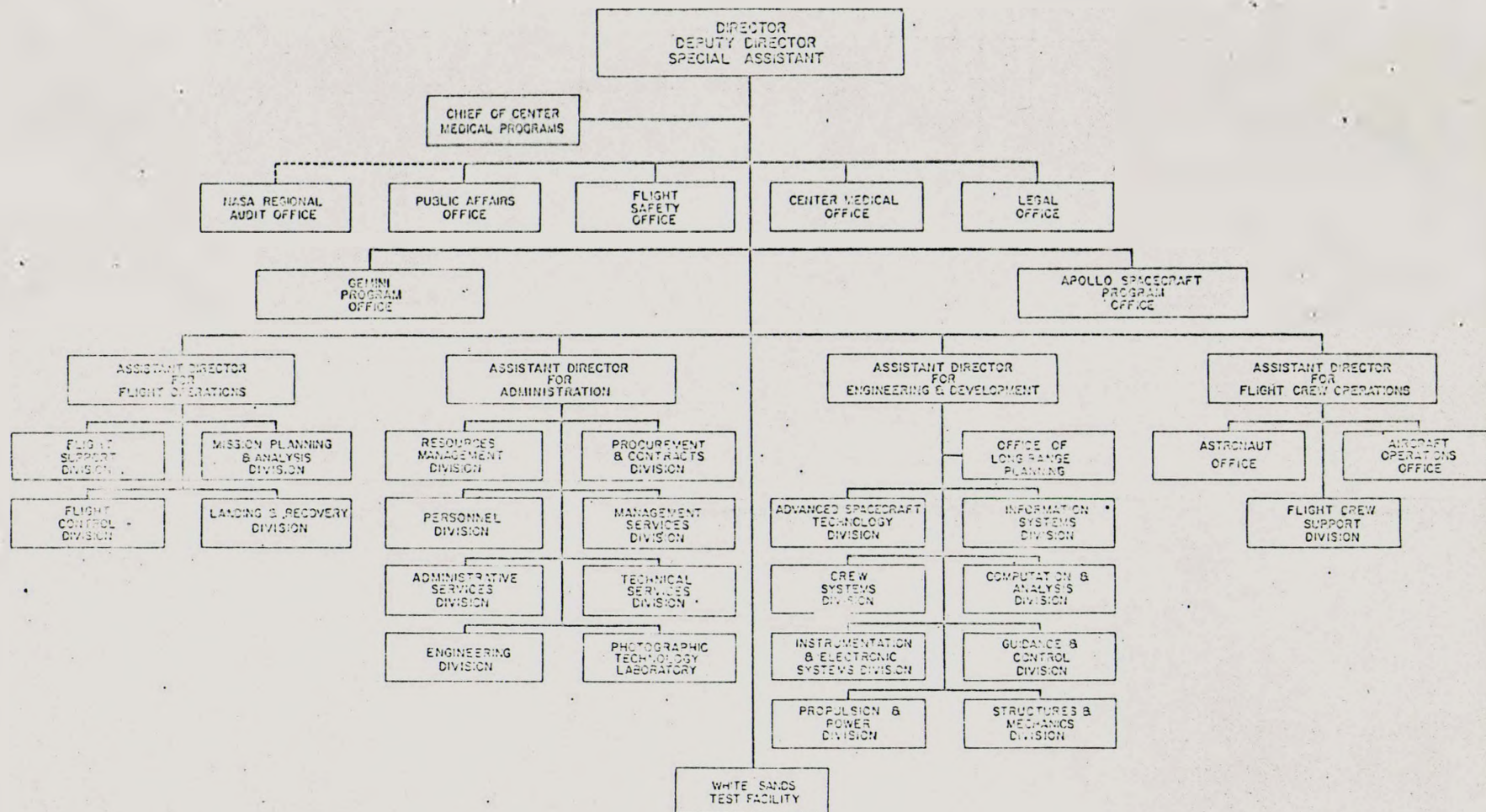
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS



APPROVED James F. Webb
DATE Dec 2, 1964

A-II-3 (Sheet 9 of 15). December 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

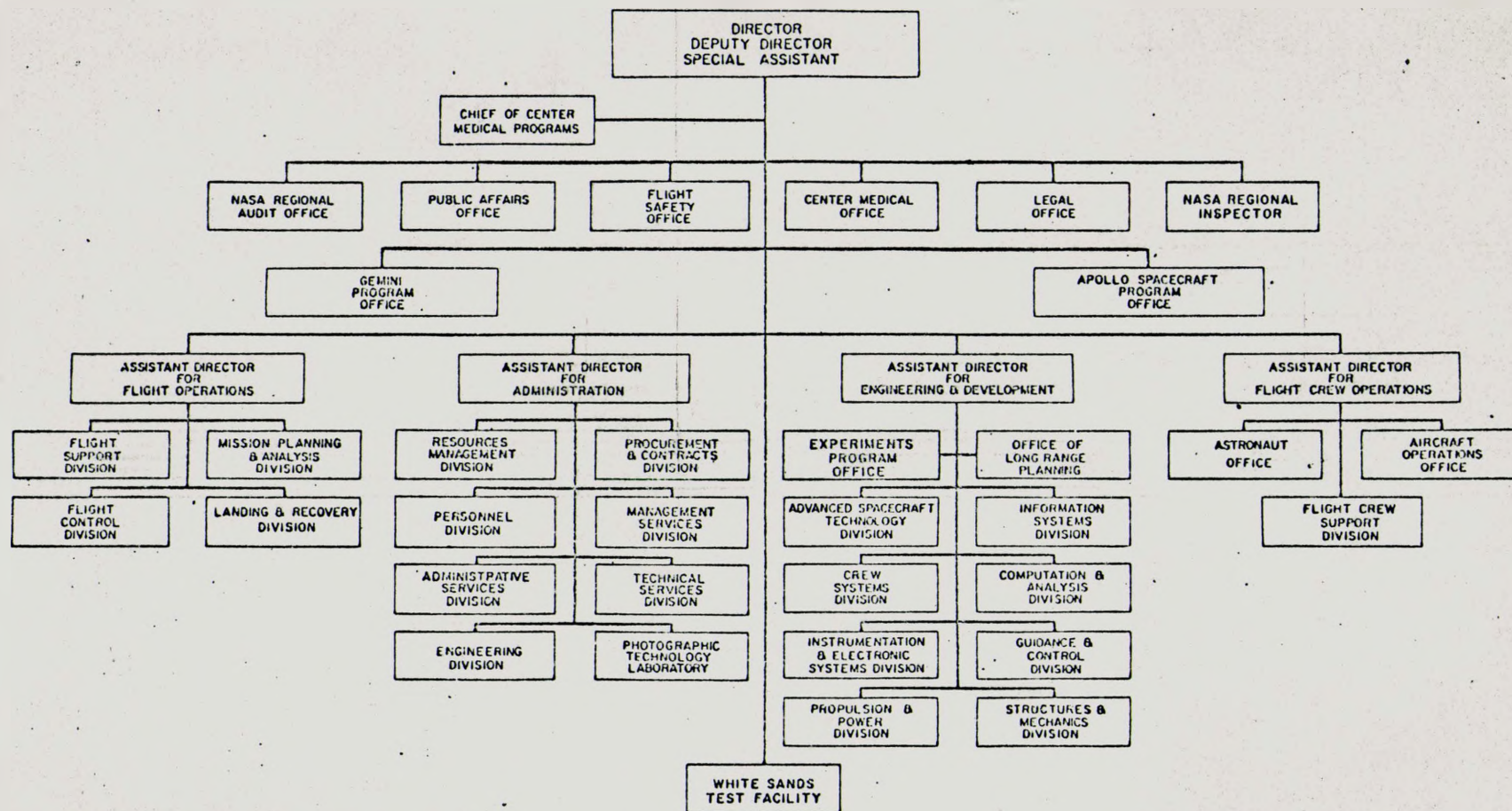


APPROVED

DATE

James E. Webb
May 28, 1965

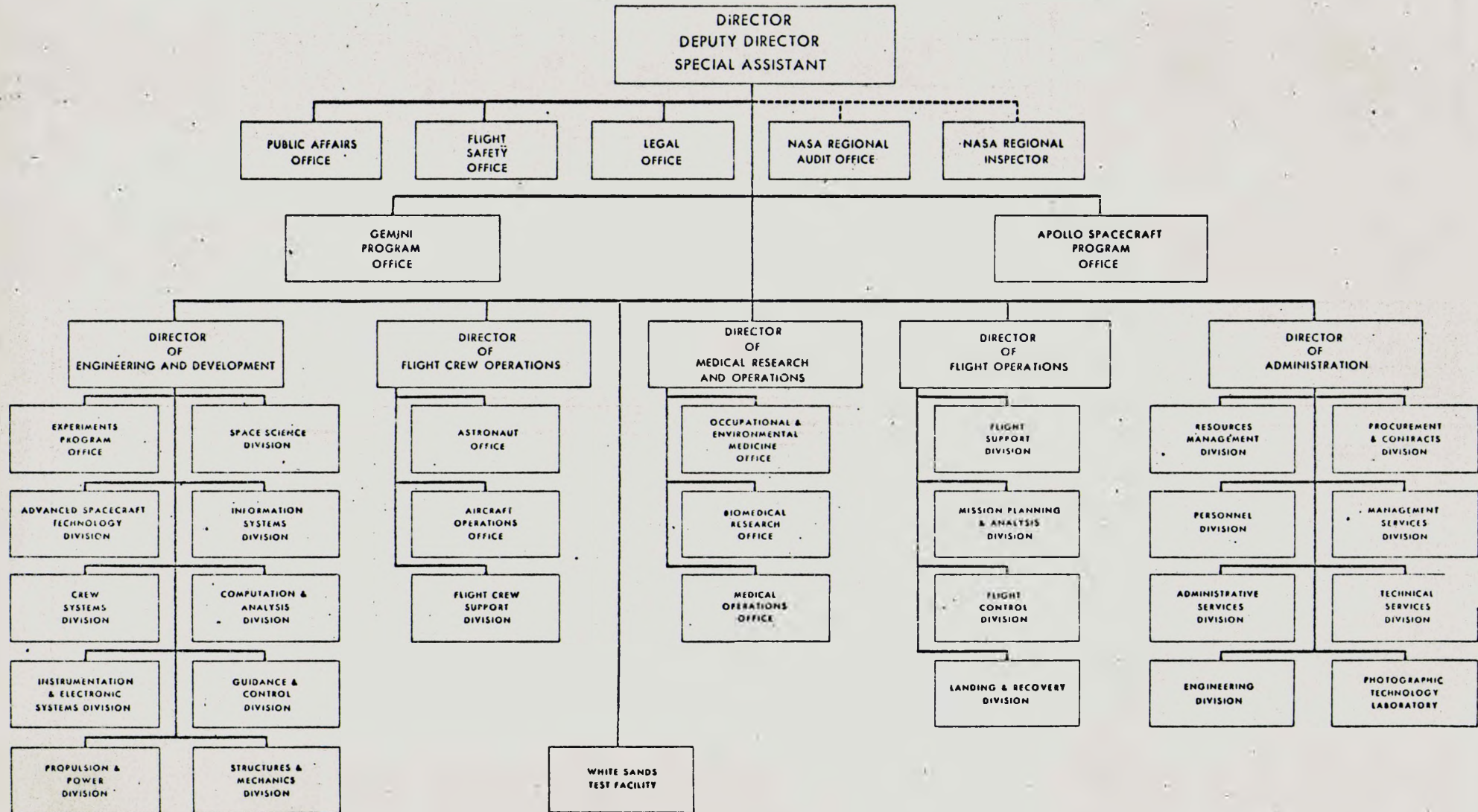
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS



James E. Webb
APPROVED
DATE *October 3, 1965*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER

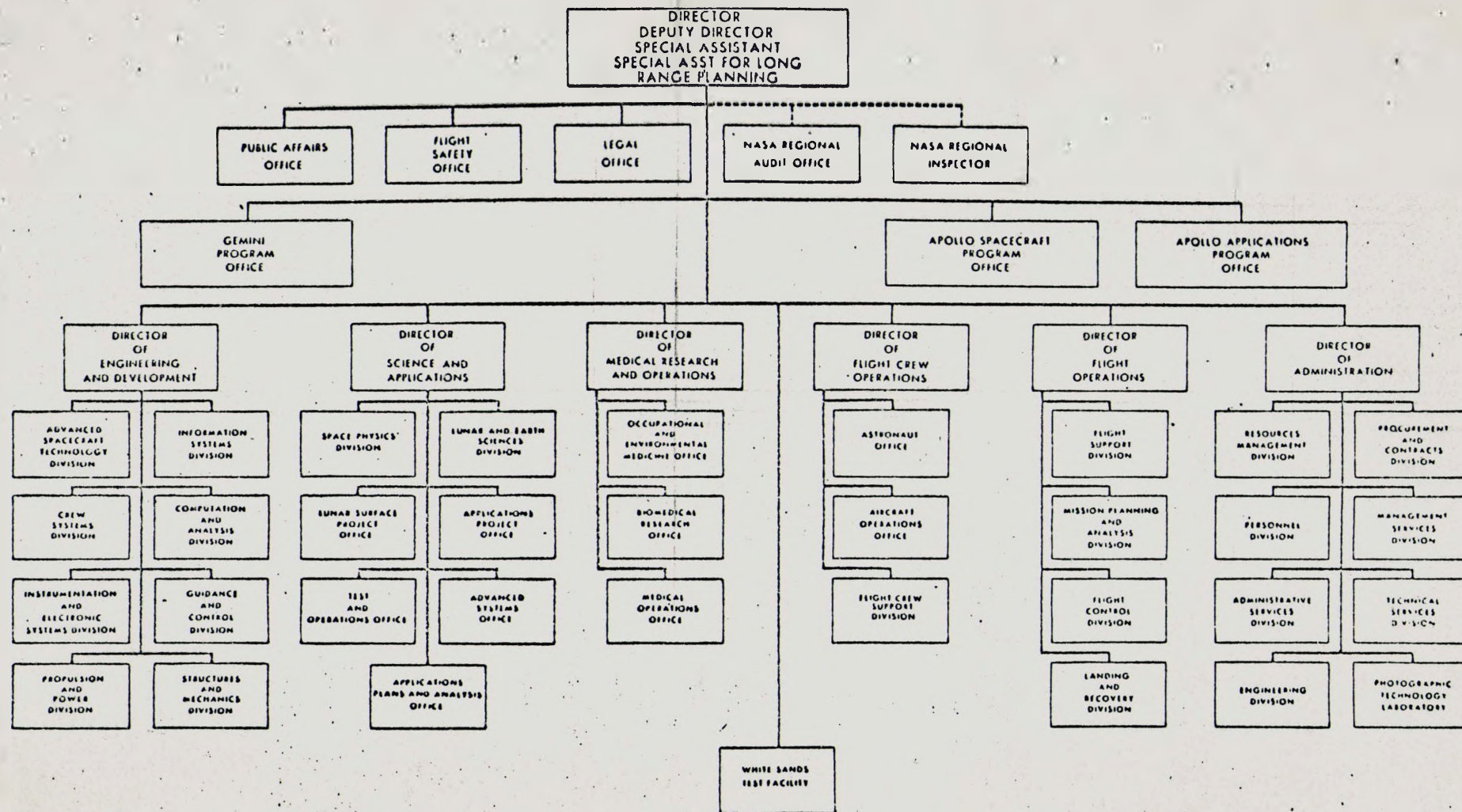
HOUSTON TEXAS



James E. Webb
May 4, 1966

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER

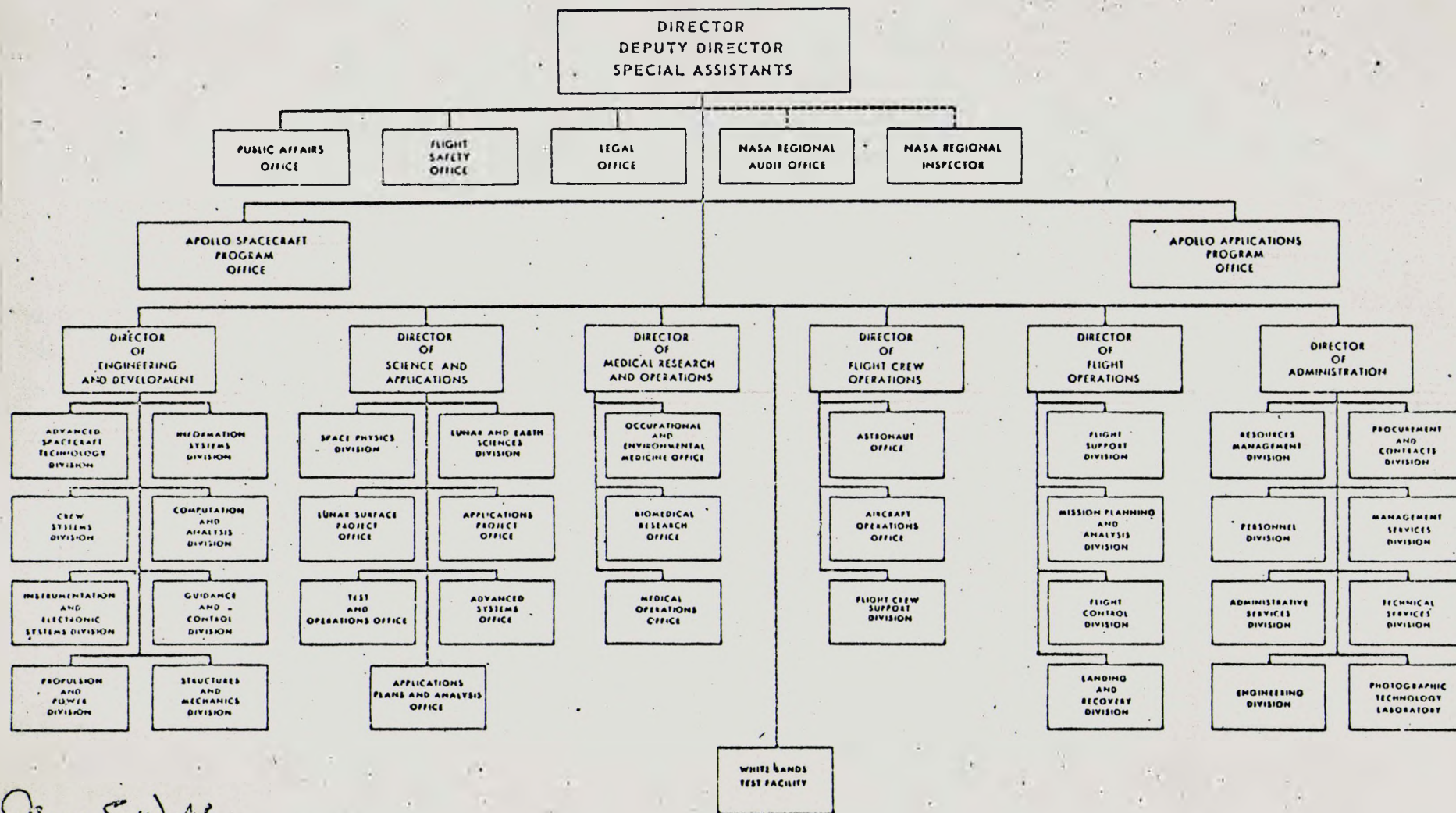
HOUSTON TEXAS



Approved:
December 23, 1966

DATE

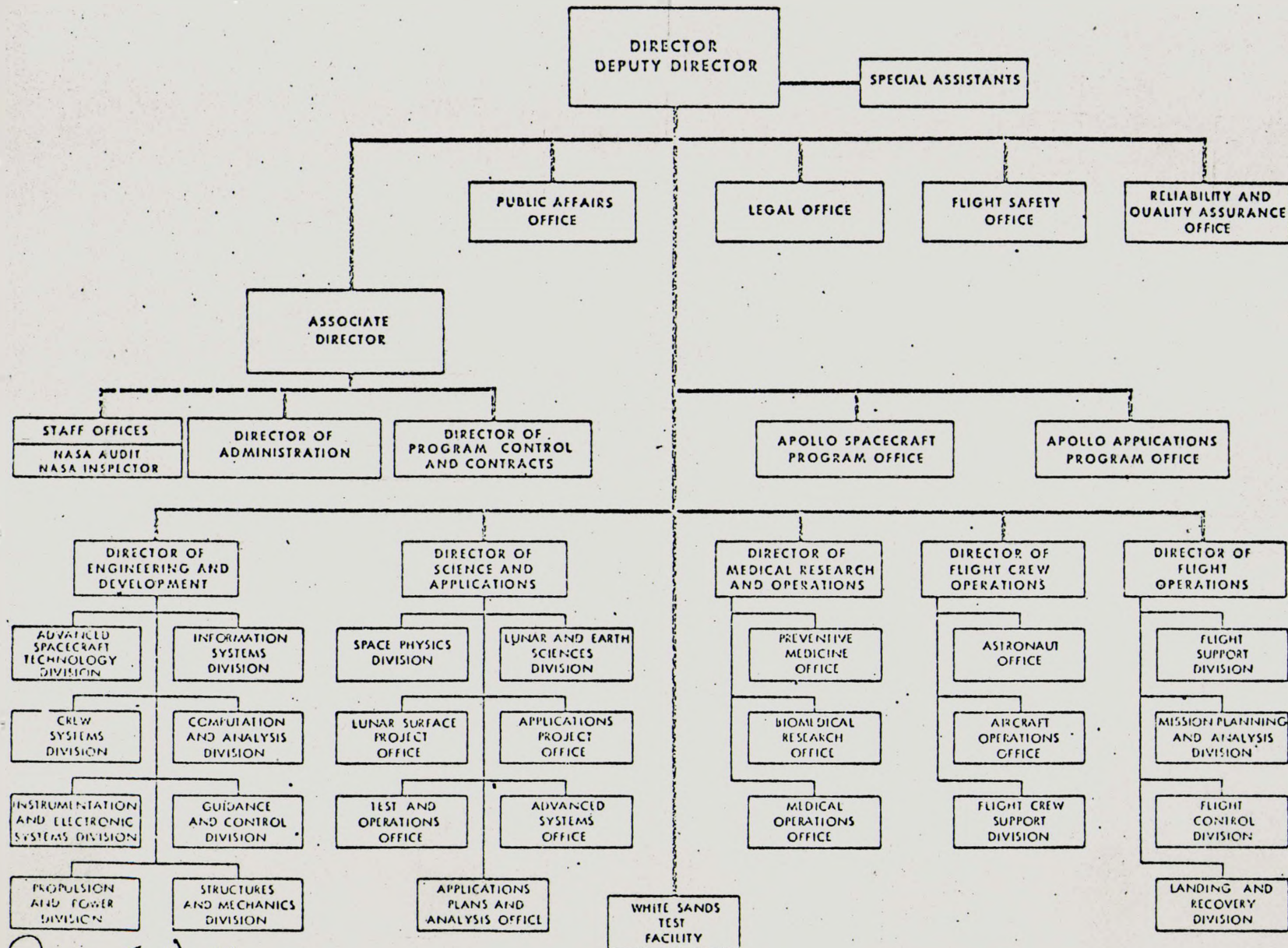
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON TEXAS



James E. Wall
JEW
February 14, 1967
JEW

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER

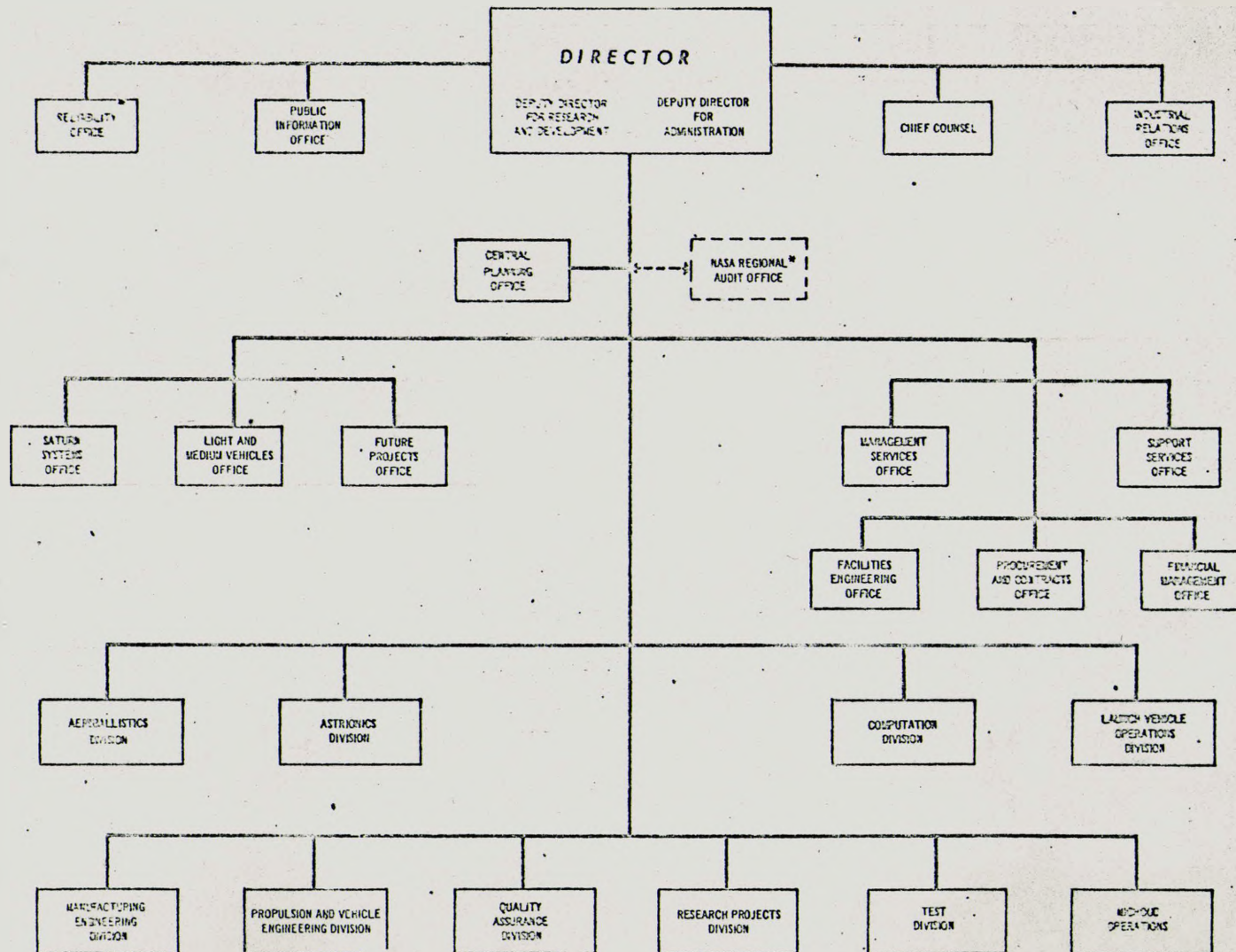
HOUSTON, TEXAS



James E. W. AS
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GEORGE C. MARSHALL SPACE FLIGHT CENTER

HUNTSVILLE, ALABAMA

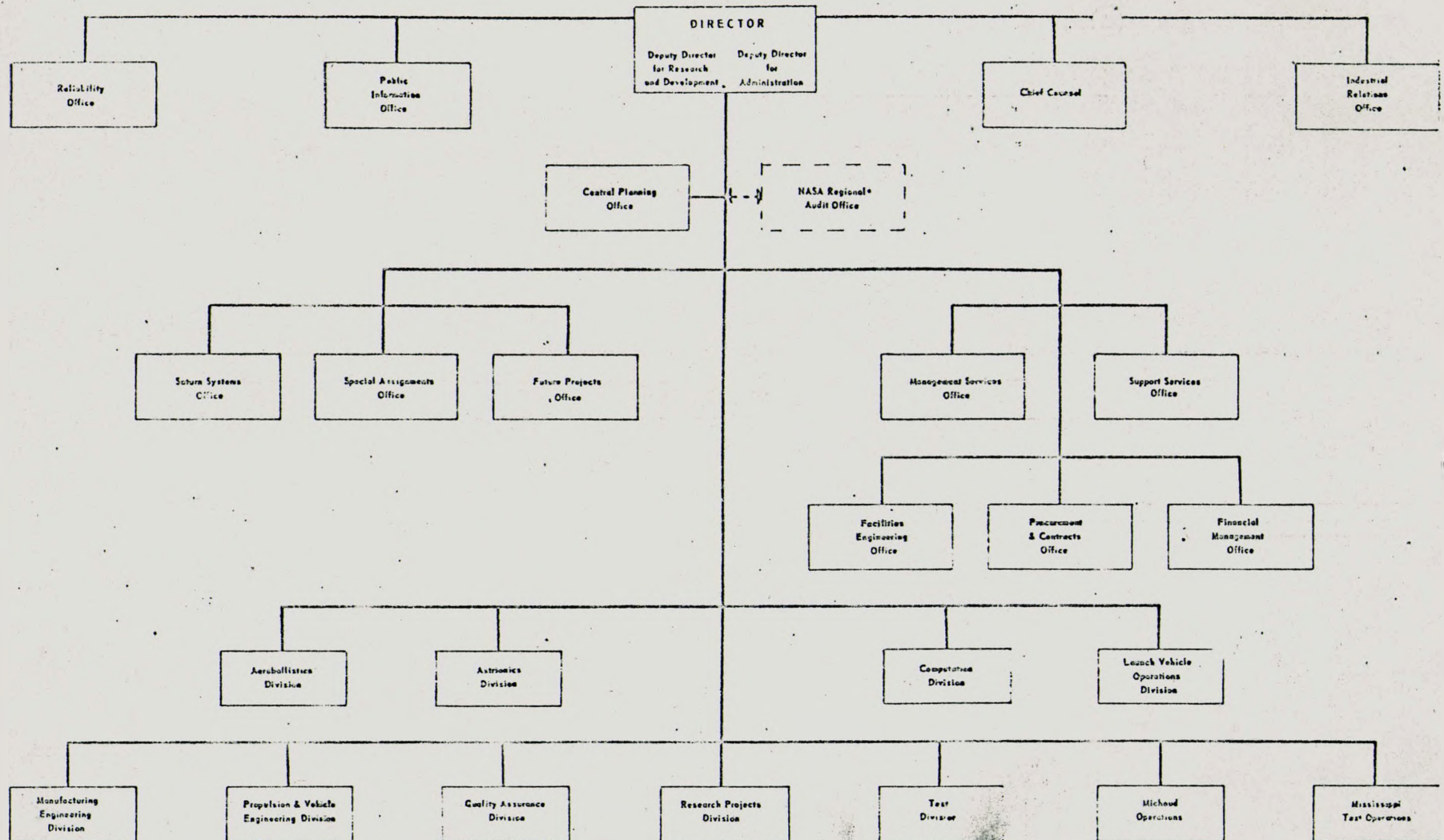


James E. Webb
 ADMINISTRATOR, NASA
 June 12, 1962

A-II-4 (Sheet 1 of 6). June 1962

* Reports administratively and technically to Director of Aeronautics, NASA, Washington, D. C.

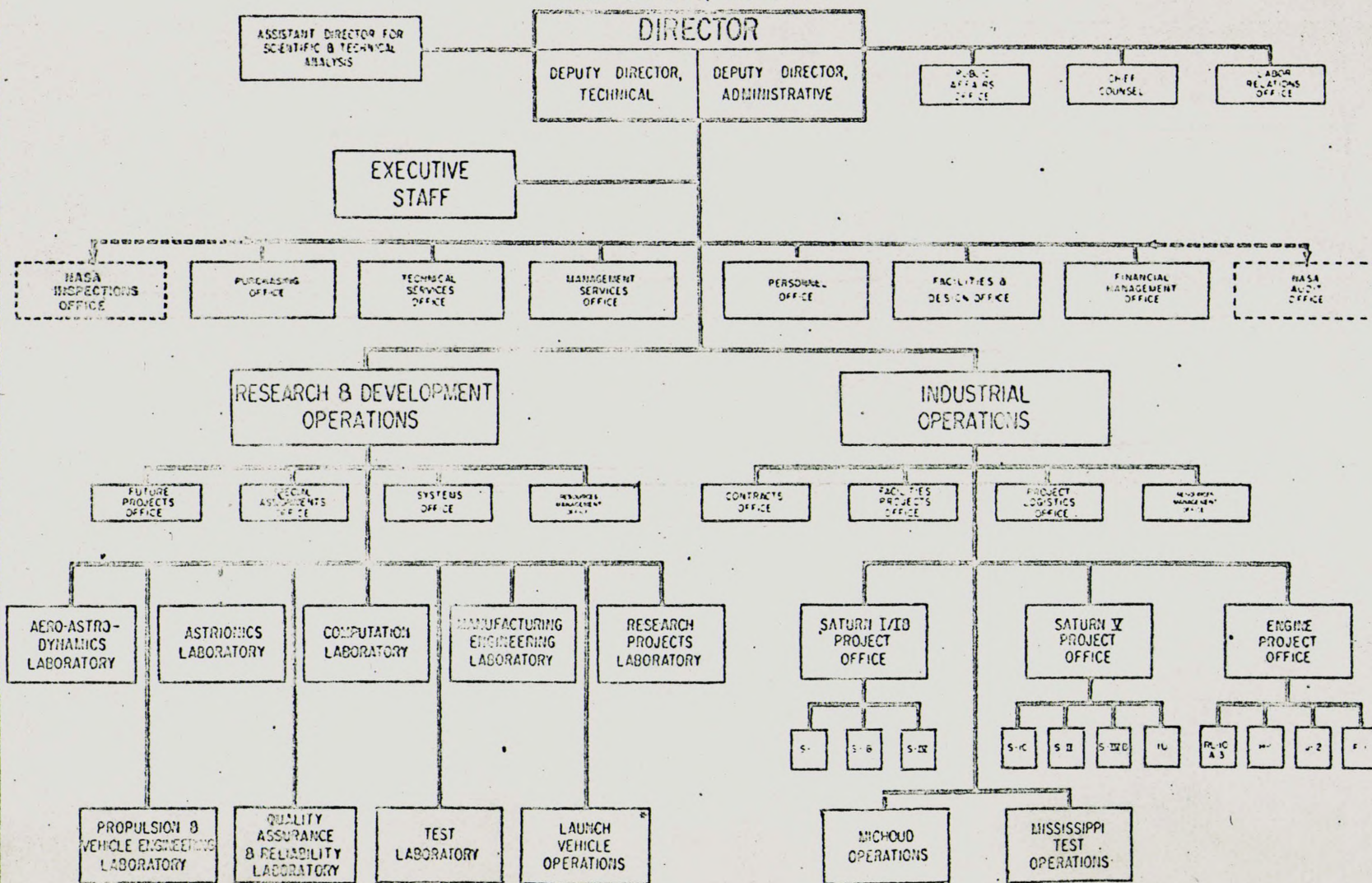
National Aeronautics and Space Administration
 GEORGE C. MARSHALL SPACE FLIGHT CENTER
 Huntsville, Alabama



APPROVED: *James E. Webb*
 ASAC, NASA
 DATE: *March 26, 1963*
 TS 603

*Reports administratively and technically to Director of Audits, NASA, Washington, D. C.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GEORGE C. MARSHALL SPACE FLIGHT CENTER
 HUNTSVILLE, ALABAMA



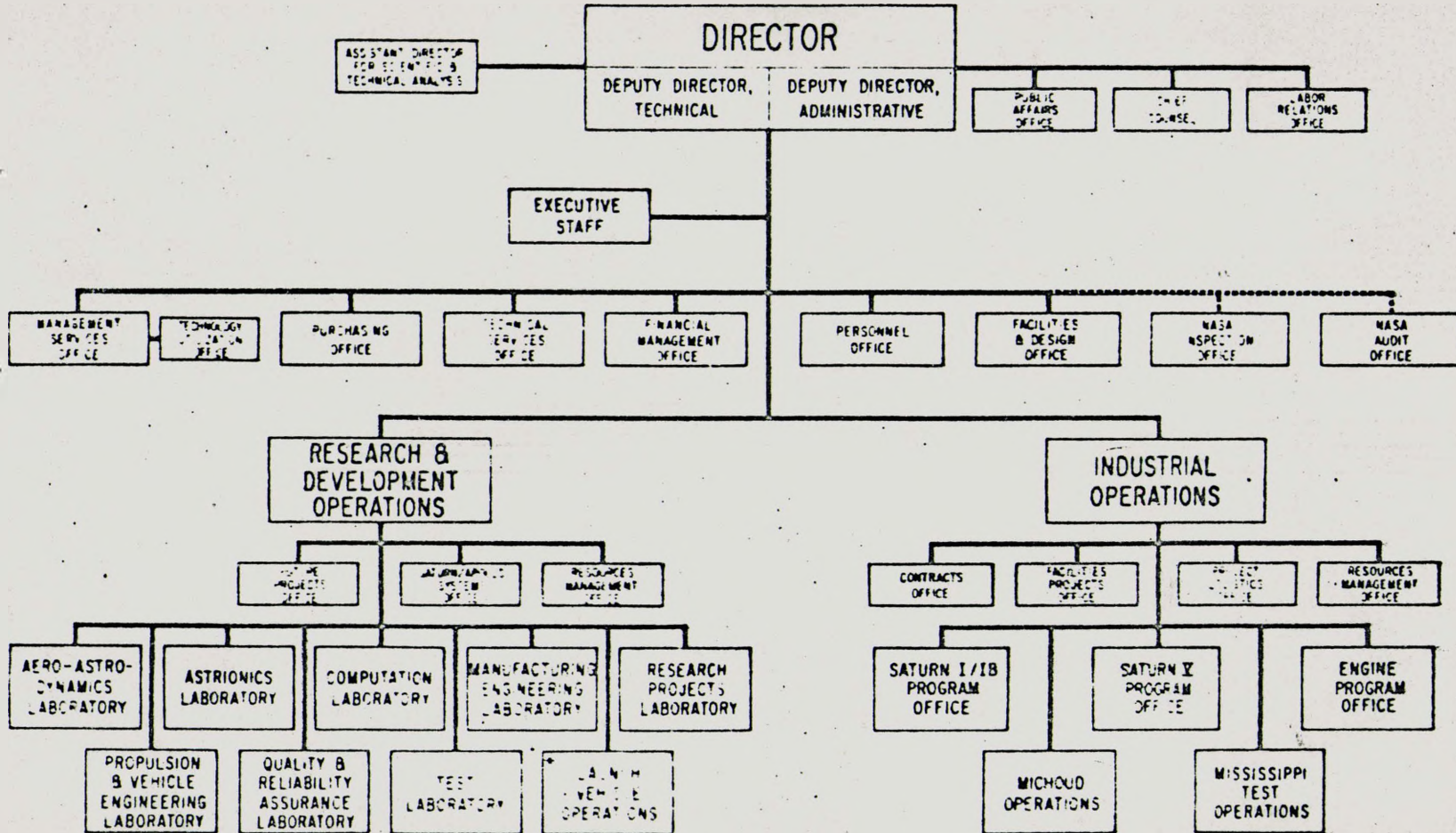
APPROVED *Hugh L. Dryden*
 Director, NASA
 DATE *Aug 26, 1963*

A-II-4 (Sheet 3 of 6). August 1963

* NSFC TECHNICAL AND ENGINEERING RESPONSIBILITY
 ** LOG-OPERATIONAL AND ADMINISTRATIVE RESPONSIBILITY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

GEORGE C. MARSHALL SPACE FLIGHT CENTER

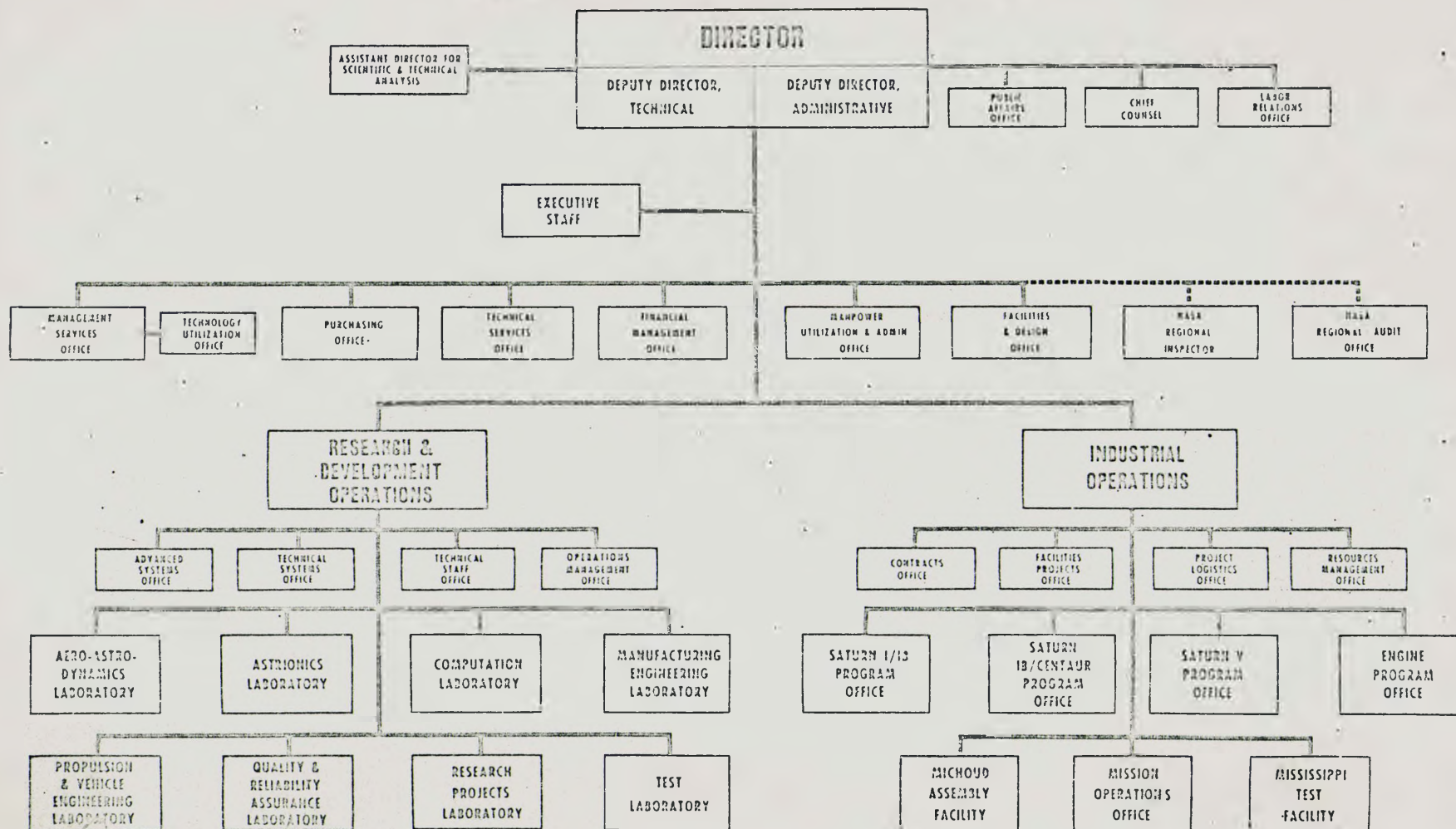


Approved Hugh L. Dryden

Date July 2, 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

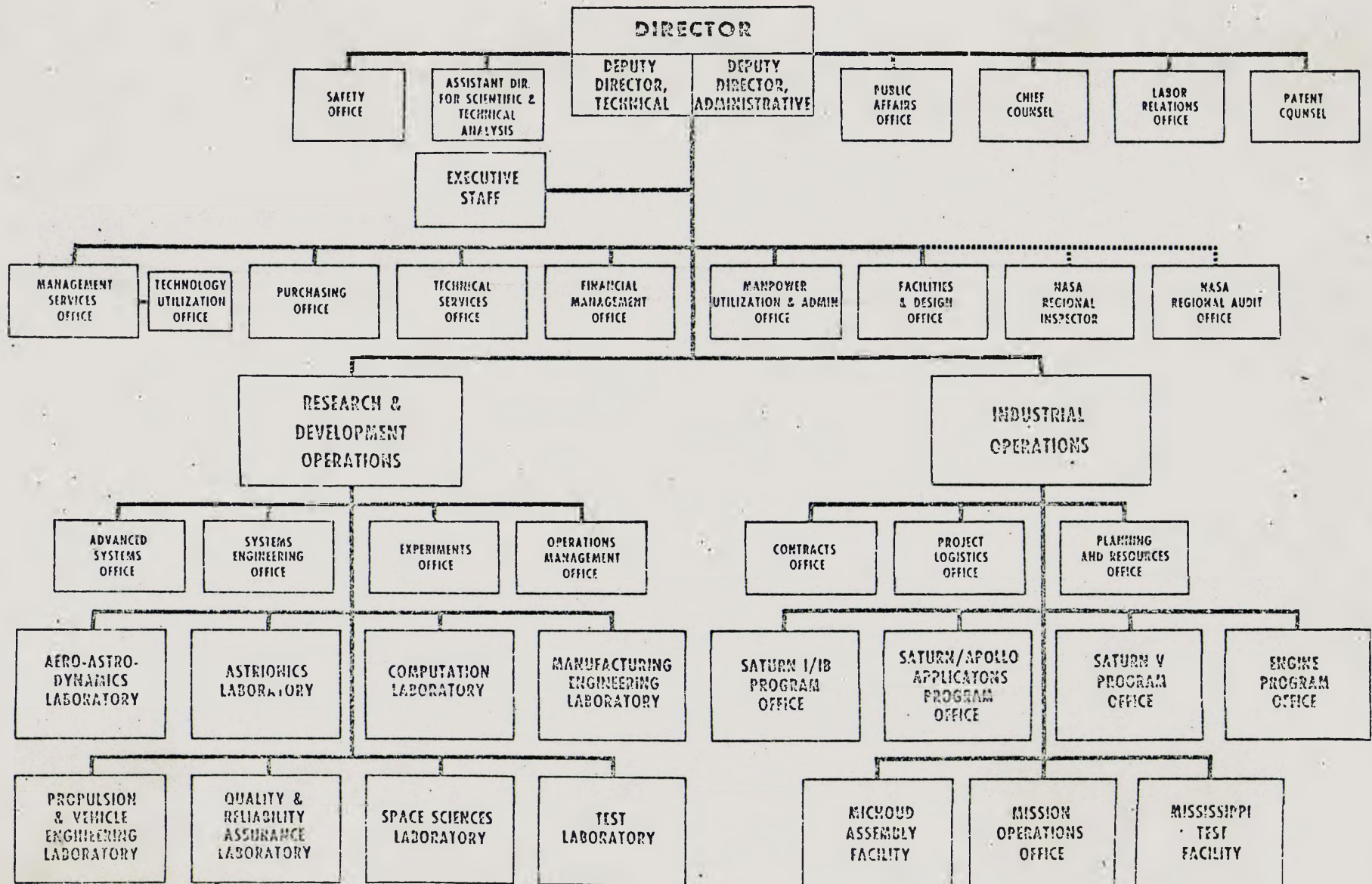
GEORGE C. MARSHALL SPACE FLIGHT CENTER



APPROVED
DATE

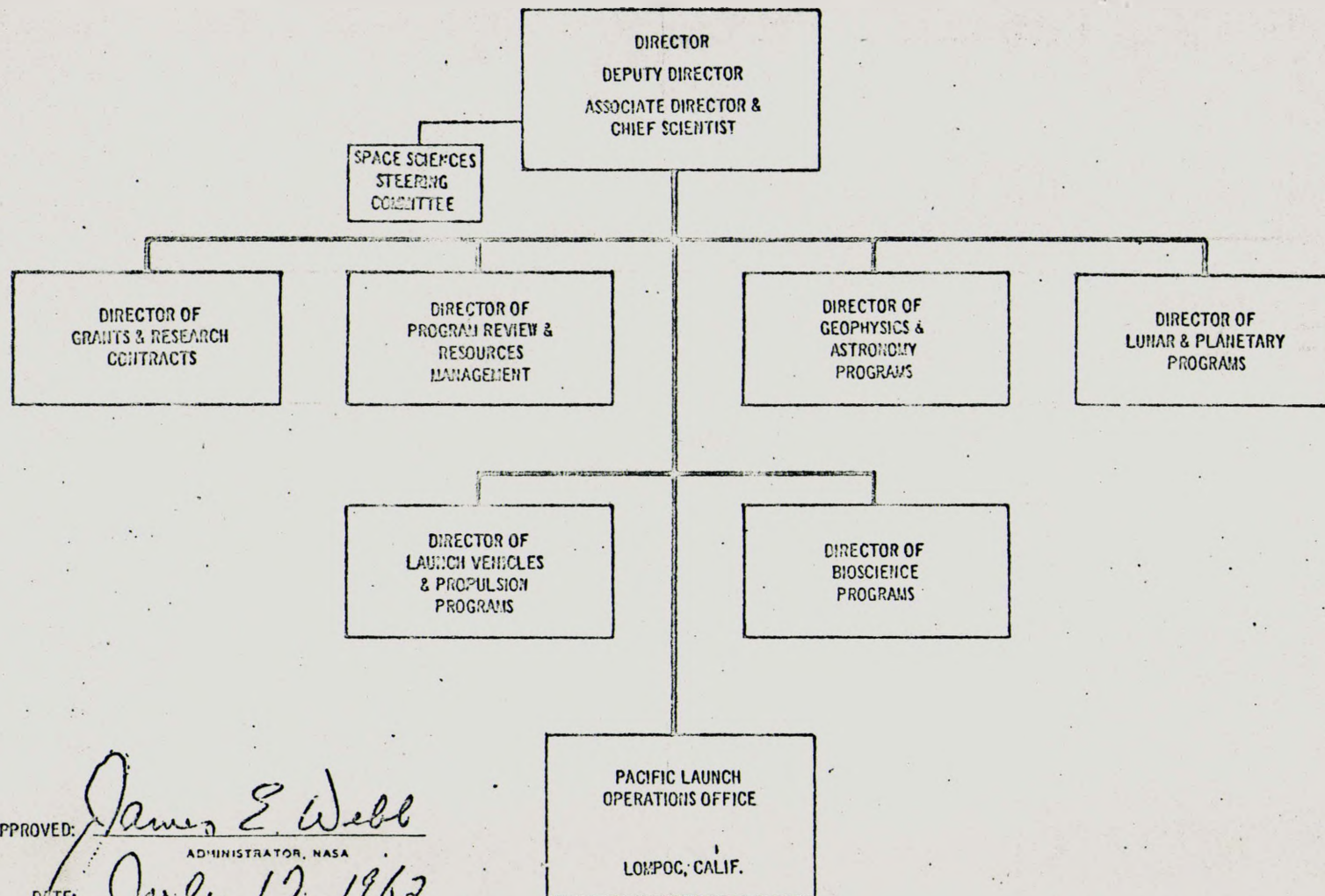
James E. Webb
Sept. 10, 1965

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER**



APPROVED *[Signature]*
DATE *Jan 3, 1968*

OFFICE OF SPACE SCIENCES

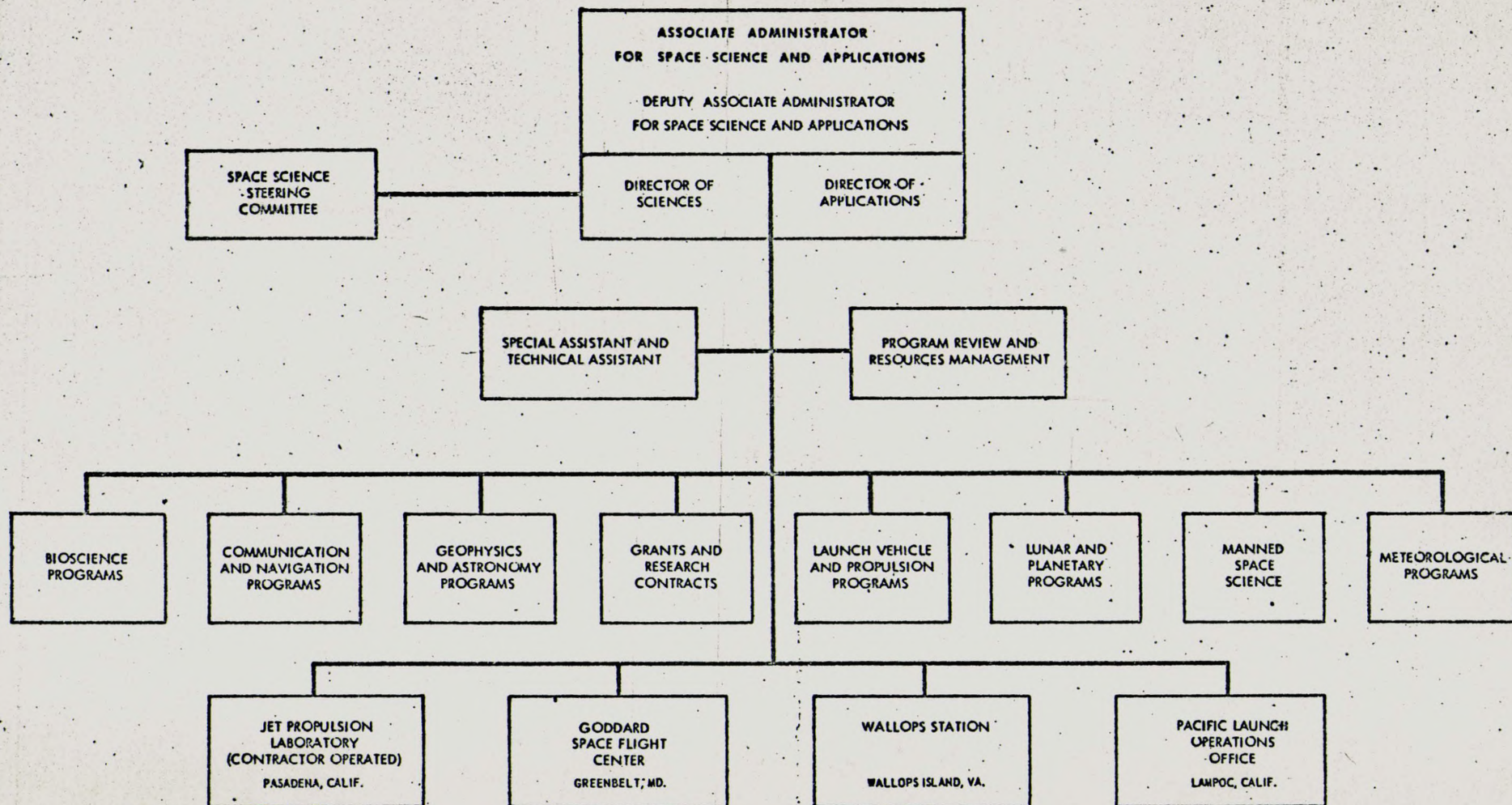


APPROVED:

DATE:

James E. Webb
ADMINISTRATOR, NASA
July 17, 1962
SUPERSEDES ORGANIZATIONAL STRUCTURE
APPROVED MARCH 1, 1962

OFFICE OF THE ASSOCIATE ADMINISTRATOR FOR SPACE SCIENCE AND APPLICATIONS

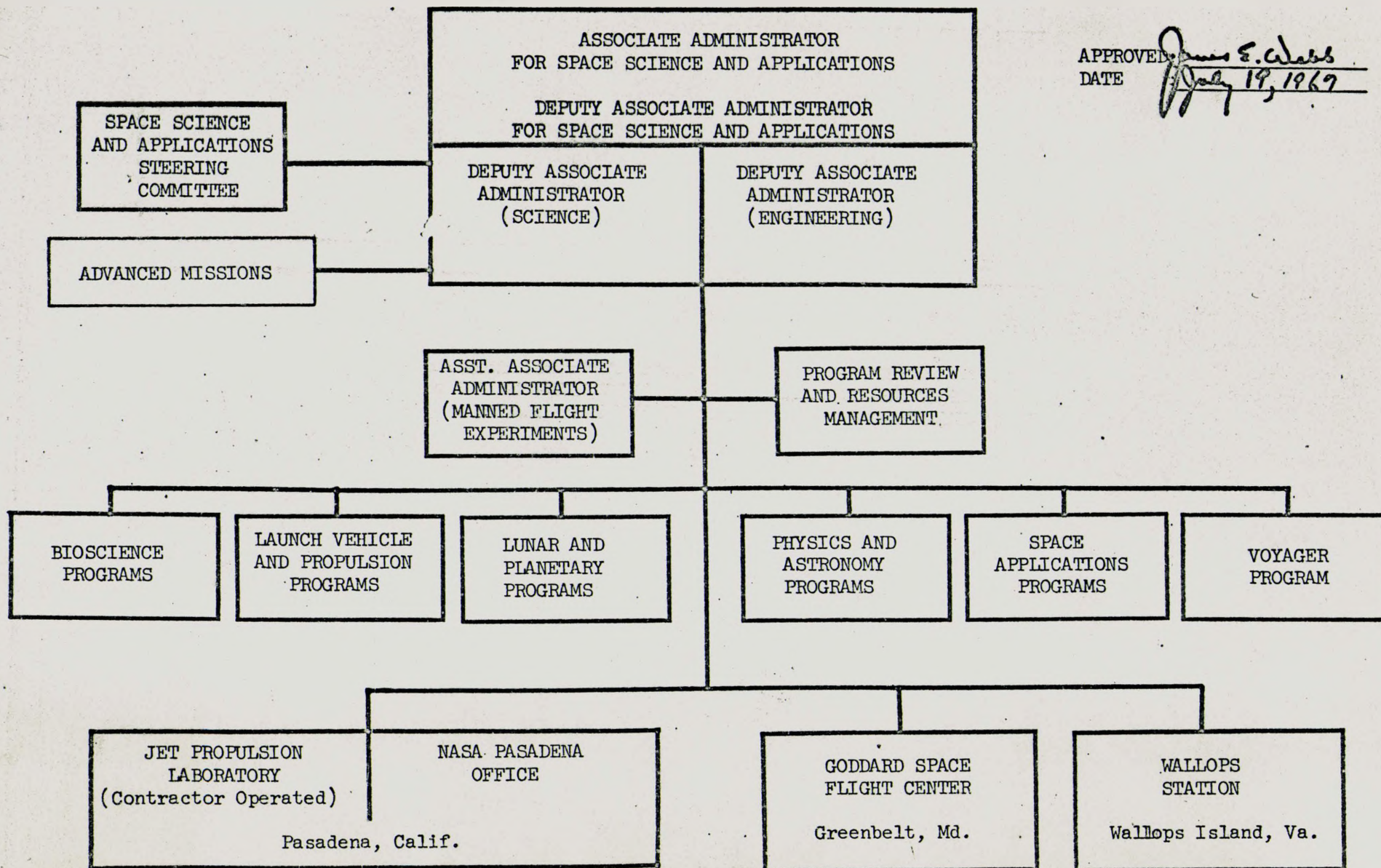


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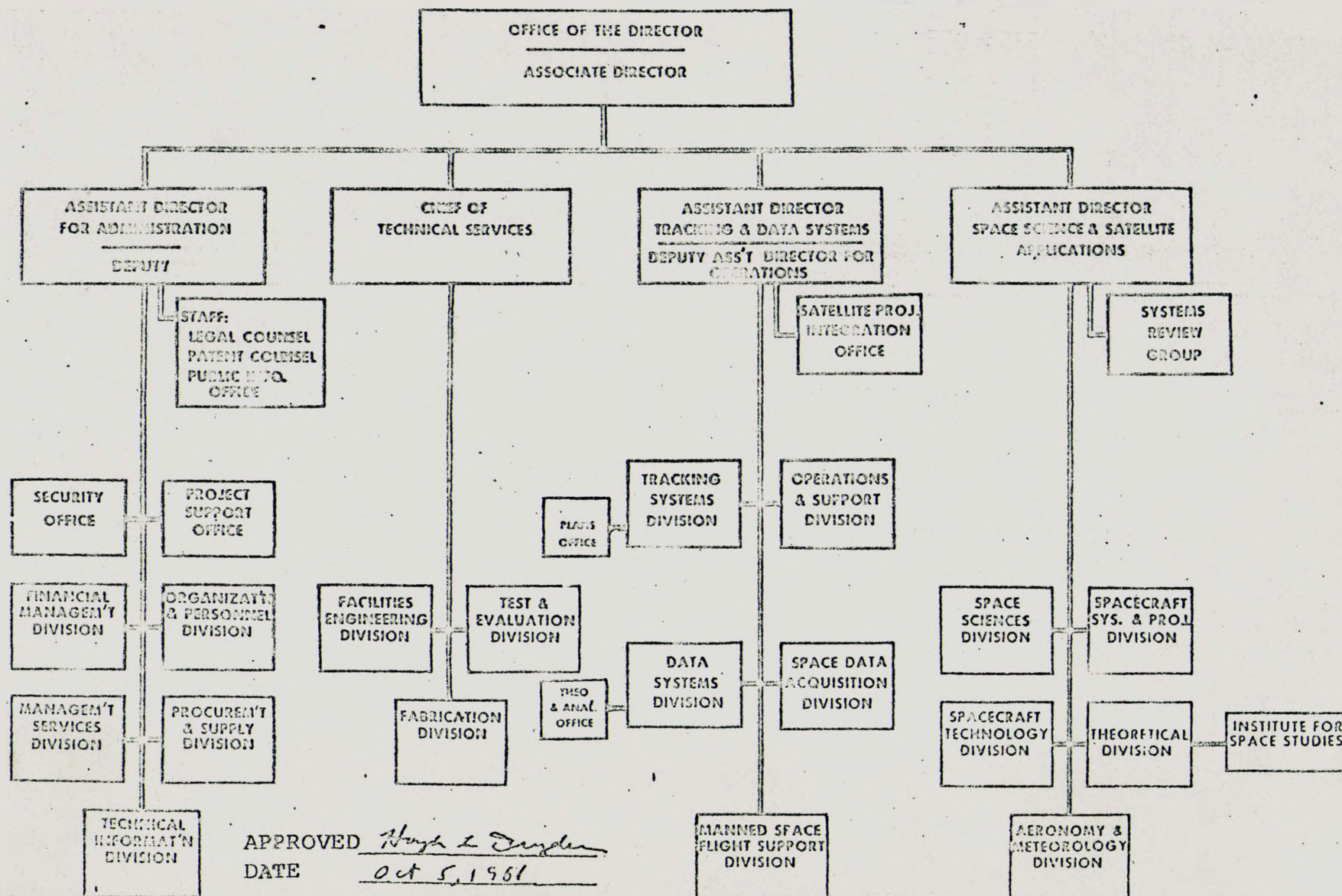
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James E. Webb
Administrator, NASA

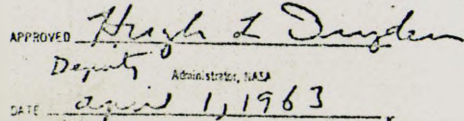
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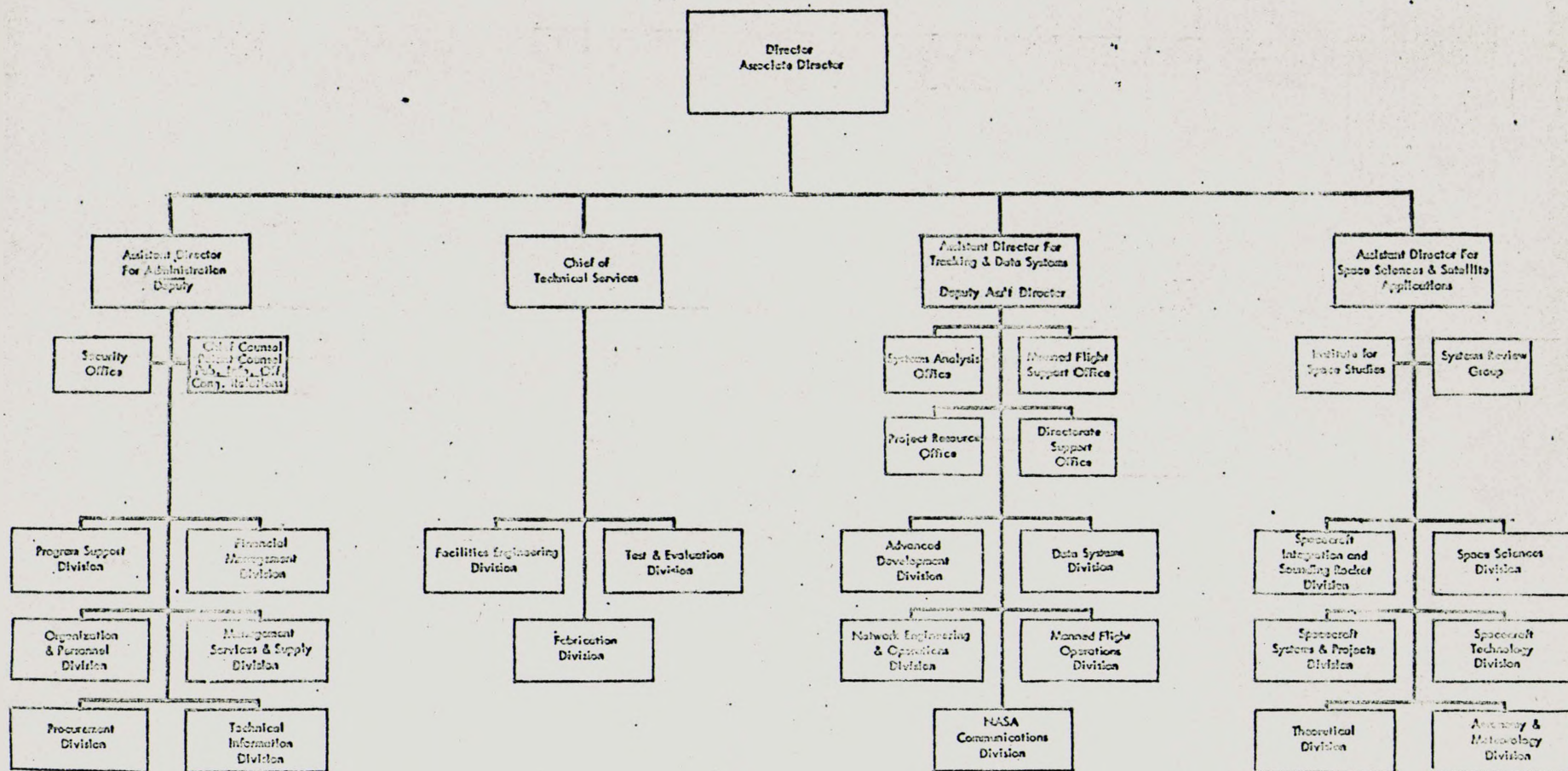
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER



Office of the Director
Associate Director



GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland



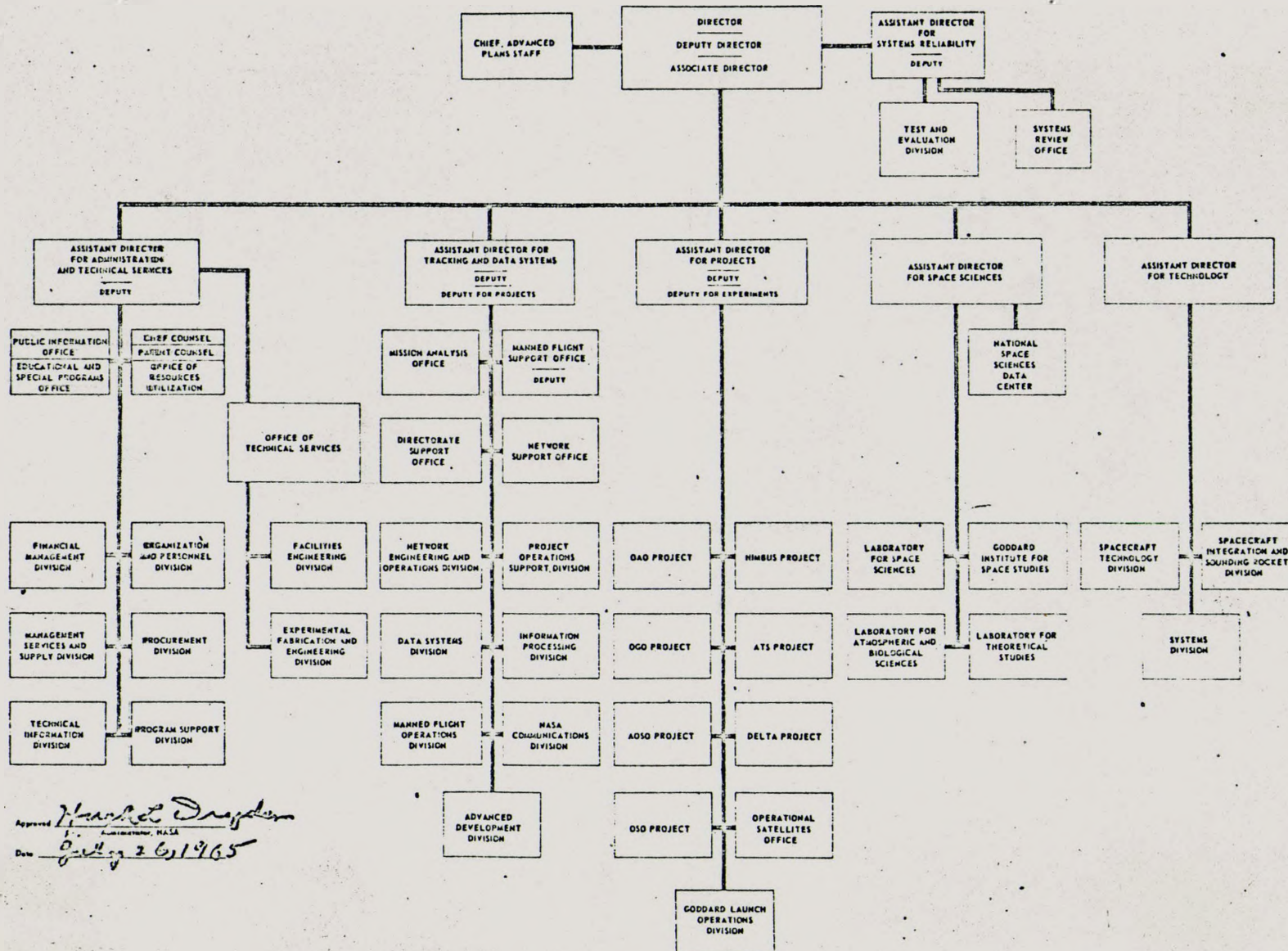
Approved:

James E. Webb
Administrator, NASA

Date

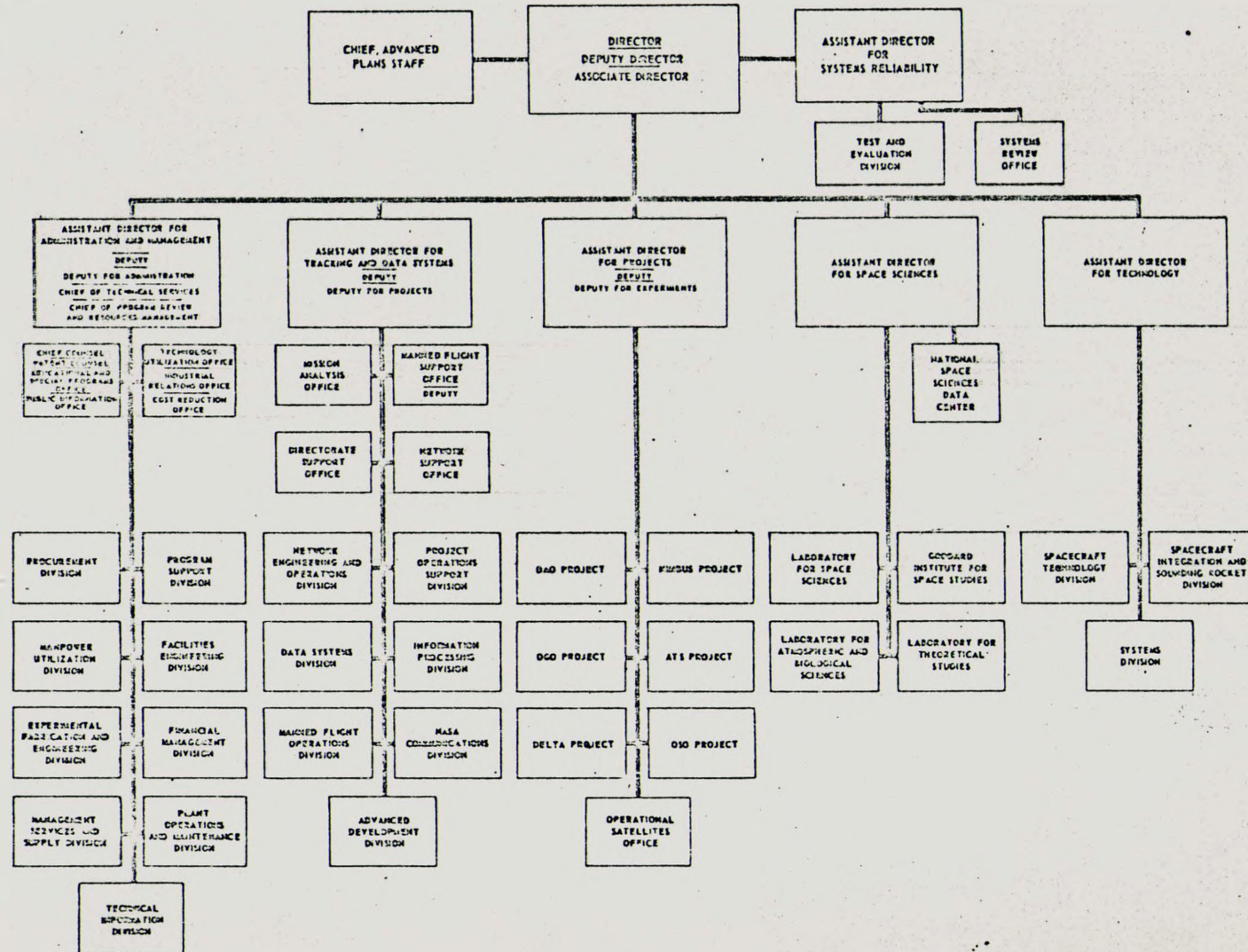
July 29, 1963

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND



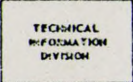
Approved: *Harold D. ...*
Date: *July 26, 1965*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND



APPROVED: *James E. Webb*
DATE: *Aug. 3, 1966*

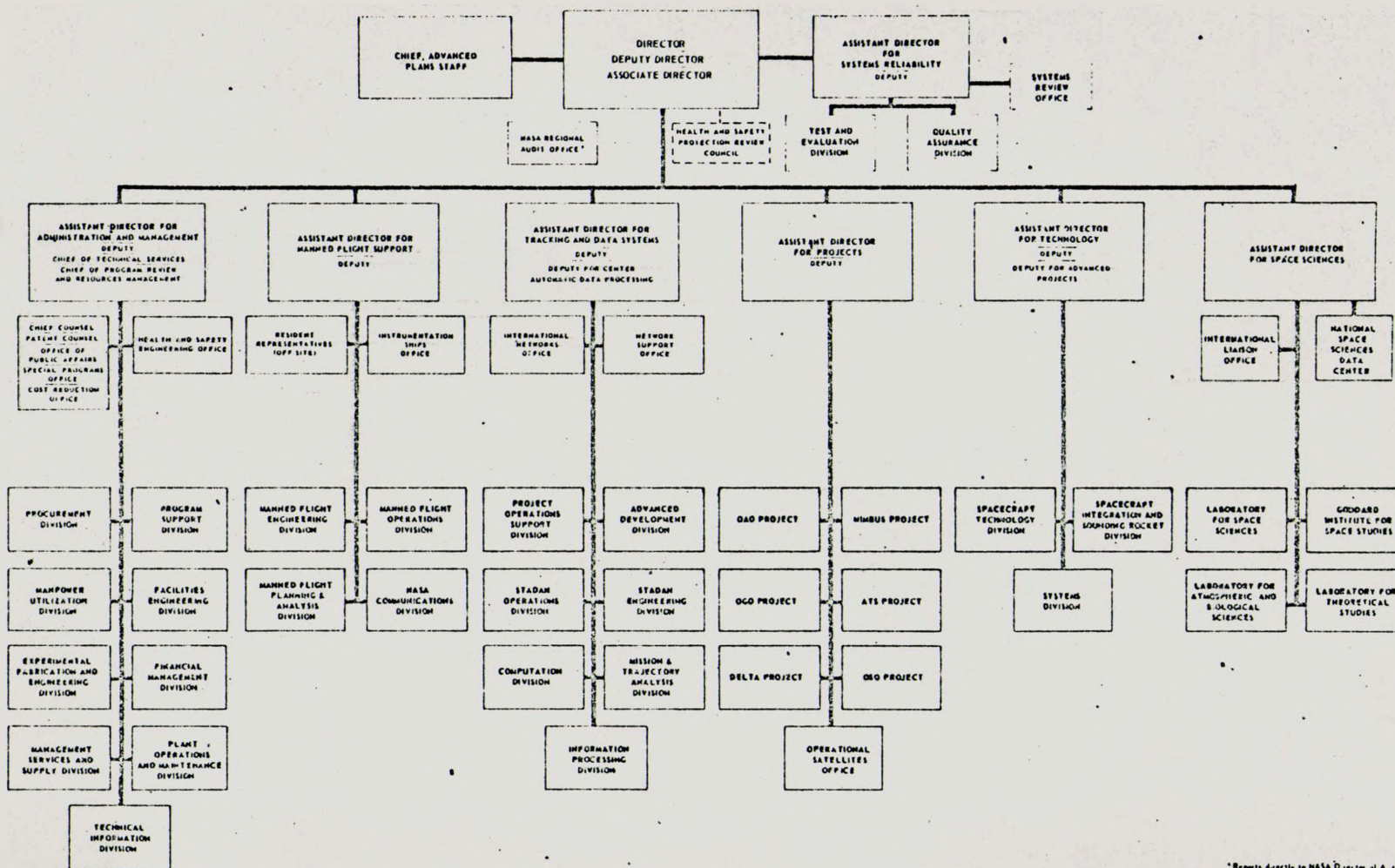
GREENBELT, MARYLAND



APPROVED

James E. Webb
ED 10 25 1967

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND



*Reports directly to NASA Director at 4-1-1

APPROVED *James E. Webb*
DATE *March 8, 1968*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia

DIRECTOR

RESIDENT CONSTRUCTION ENGINEER

FLIGHT TEST DIVISION

RANGE ENGINEERING BRANCH

Systems Engineering Section
Technical Liaison Section
Data Processing Section
Instrument Calibration and Service Shop
Optics Unit
Electronics Unit
Range Safety Section

RANGE INSTRUMENTATION BRANCH

Communications Section
Photographic Section
Radar Section
Telemeter Section
Meteorology Section

VEHICLE PREPARATION AND LAUNCHING BRANCH

Assembly and Launch Section A
Assembly and Launch Section B
Assembly and Launch Section C
Vehicle Systems Monitoring Section
Blast Loads Section

ADMINISTRATIVE SERVICES DIVISION

FISCAL BRANCH

MANAGEMENT SERVICES BRANCH

PERSONNEL BRANCH

PROCUREMENT BRANCH

TECHNICAL SERVICES DIVISION

MACHINE GROUP

MAINTENANCE BRANCH

Chincoteague Maintenance Section
Wallops Maintenance Section
Electrical Service Unit

DAMAGE CONTROL BRANCH

APPROVED BY *Robert H. Krieger*
R. L. KRIEGER, DIRECTOR

DATE 3/28/61

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia

DIRECTOR

RESIDENT CONSTRUCTION ENGINEER

FLIGHT TEST DIVISION

RANGE ENGINEERING BRANCH

Systems Engineering Section
Technical Liaison Section
Data Processing Section
Instrument Calibration and Service Shop
Optics Unit
Electronics Unit
Range Safety Section

RANGE INSTRUMENTATION BRANCH

Communications Section
Photographic Section
Radar Section
Telemeter Section
Meteorology Section

VEHICLE PREPARATION AND LAUNCHING BRANCH

Assembly and Launch Section A
Assembly and Launch Section B
Assembly and Launch Section C
Vehicle Systems Monitoring Section
Blast Loads Section

ADMINISTRATIVE SERVICES DIVISION

FISCAL BRANCH

MANAGEMENT SERVICES BRANCH

PERSONNEL BRANCH

PROCUREMENT BRANCH

TECHNICAL SERVICES DIVISION

SAFETY OFFICE

SUPPORT SERVICE
PLANNING UNIT

RANGE SUPPORT BRANCH

Experimental Instrument Construction Section
Space Launch Support Section
Metal Trades Section

FACILITIES OPERATIONS BRANCH

Building Trades and Logistics Section
Electrical Service Section
Equipment Maintenance Section
Utilities Operation Section

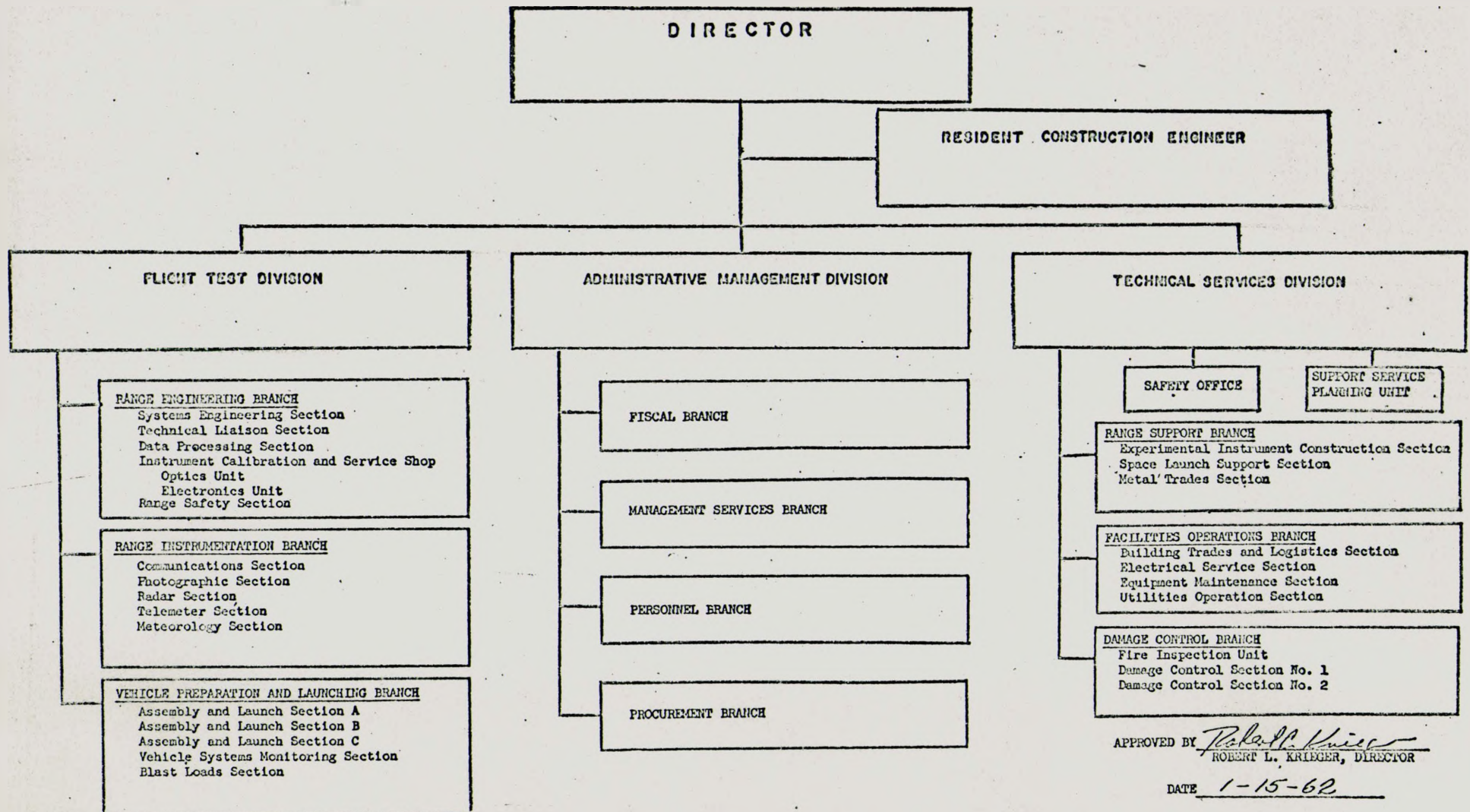
DAMAGE CONTROL BRANCH

Fire Inspection Unit
Damage Control Section No. 1
Damage Control Section No. 2

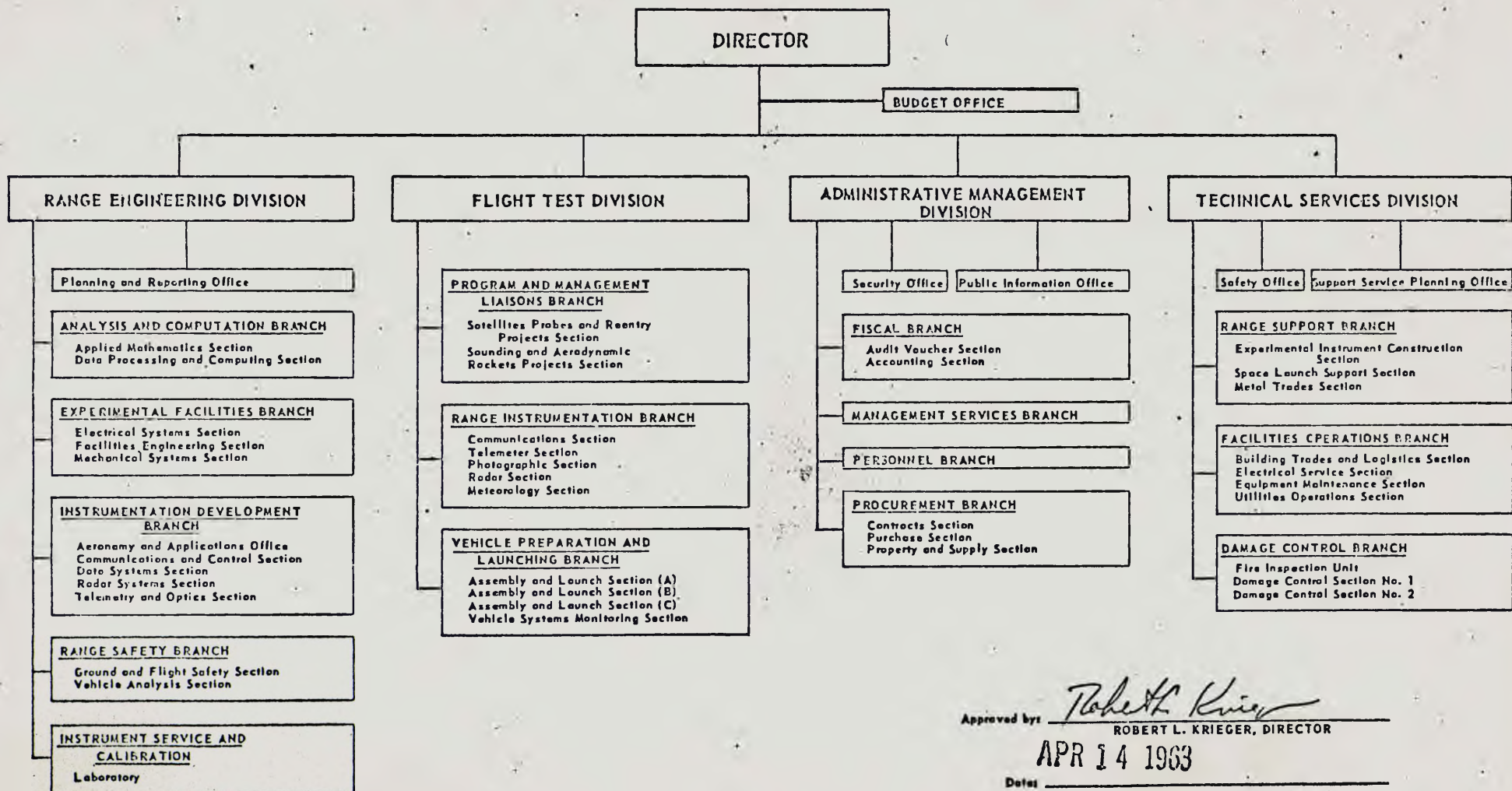
APPROVED BY *Robert L. Krieger*
ROBERT L. KRIEGER, DIRECTOR

DATE 7-13-61

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia

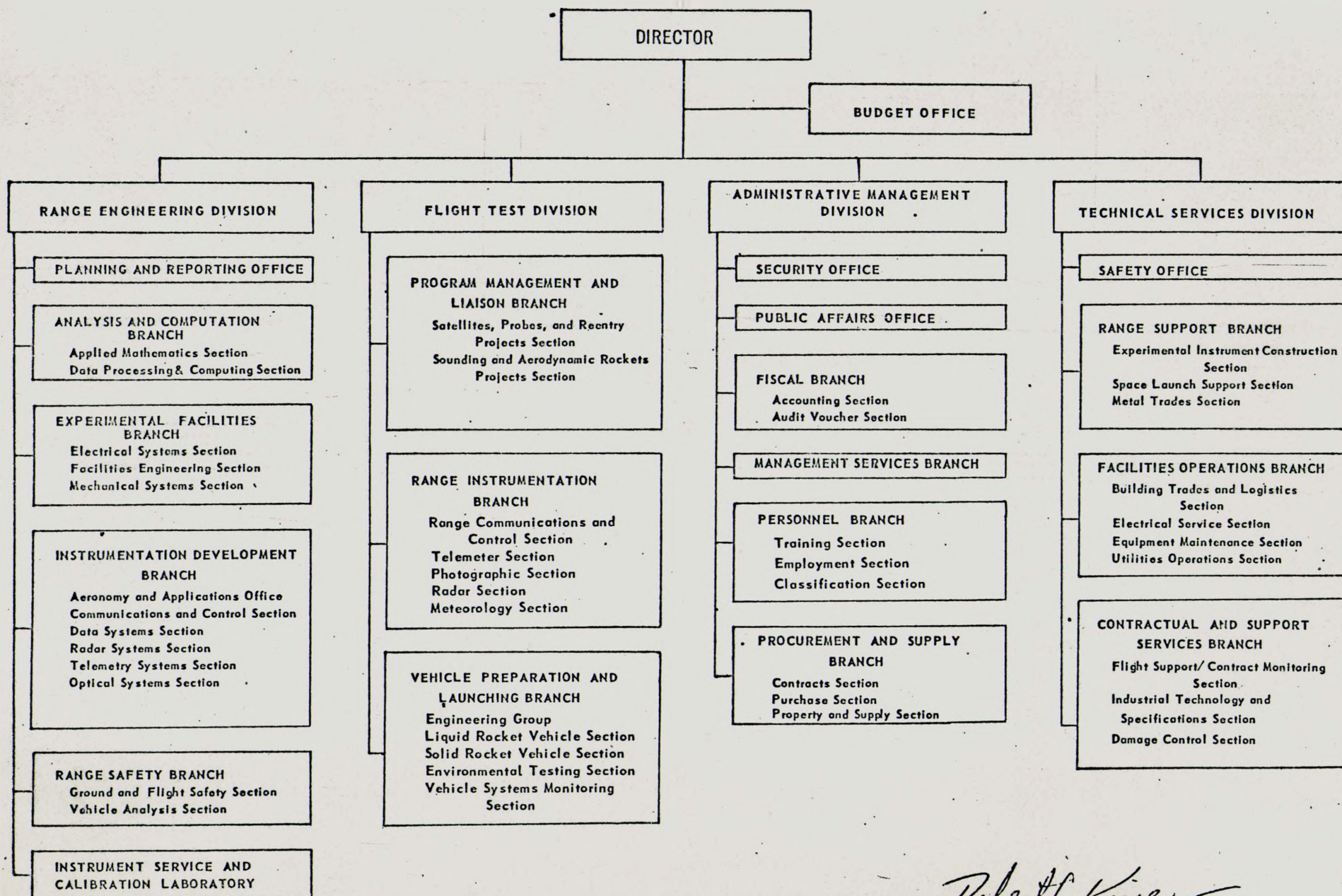


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia



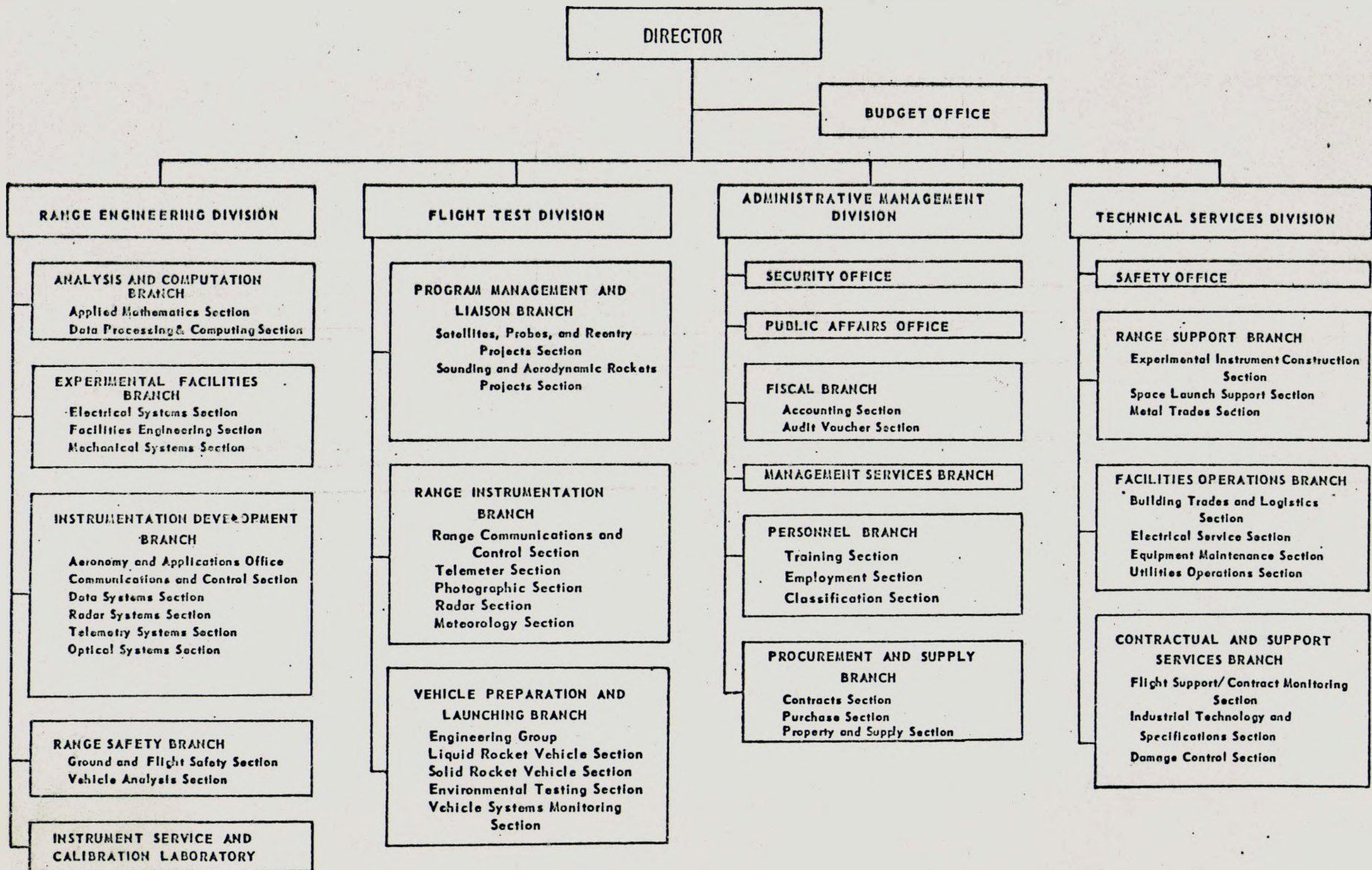
Approved by: Robert L. Krieger
ROBERT L. KRIEGER, DIRECTOR
APR 14 1963
Date: _____

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia



Robert H. Kline
Jan. 17, 1965

NATIONAL AERONAUTICS SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia



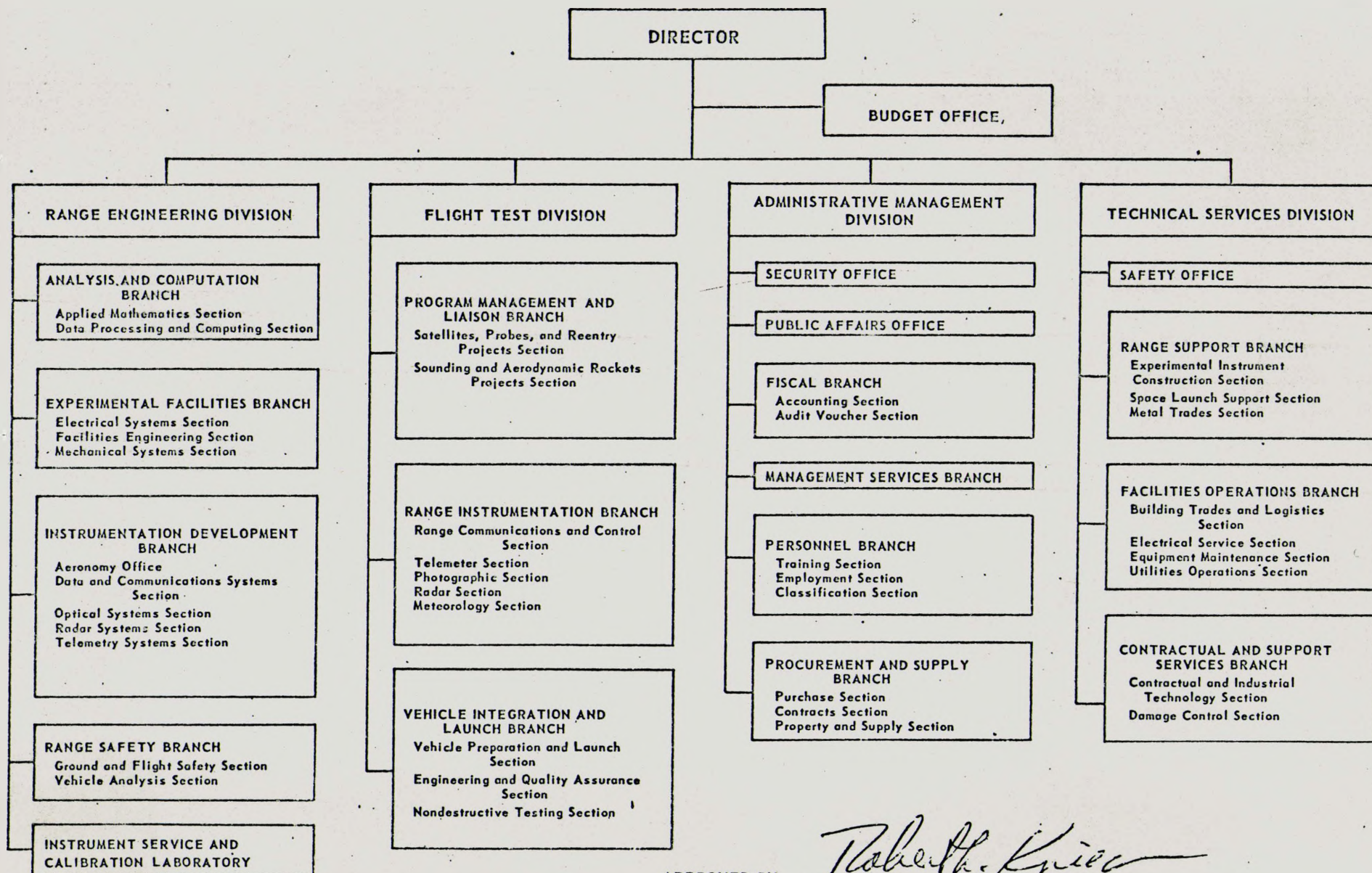
APPROVED BY:

Robert H. Kniep

DATE:

7/1/66

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia

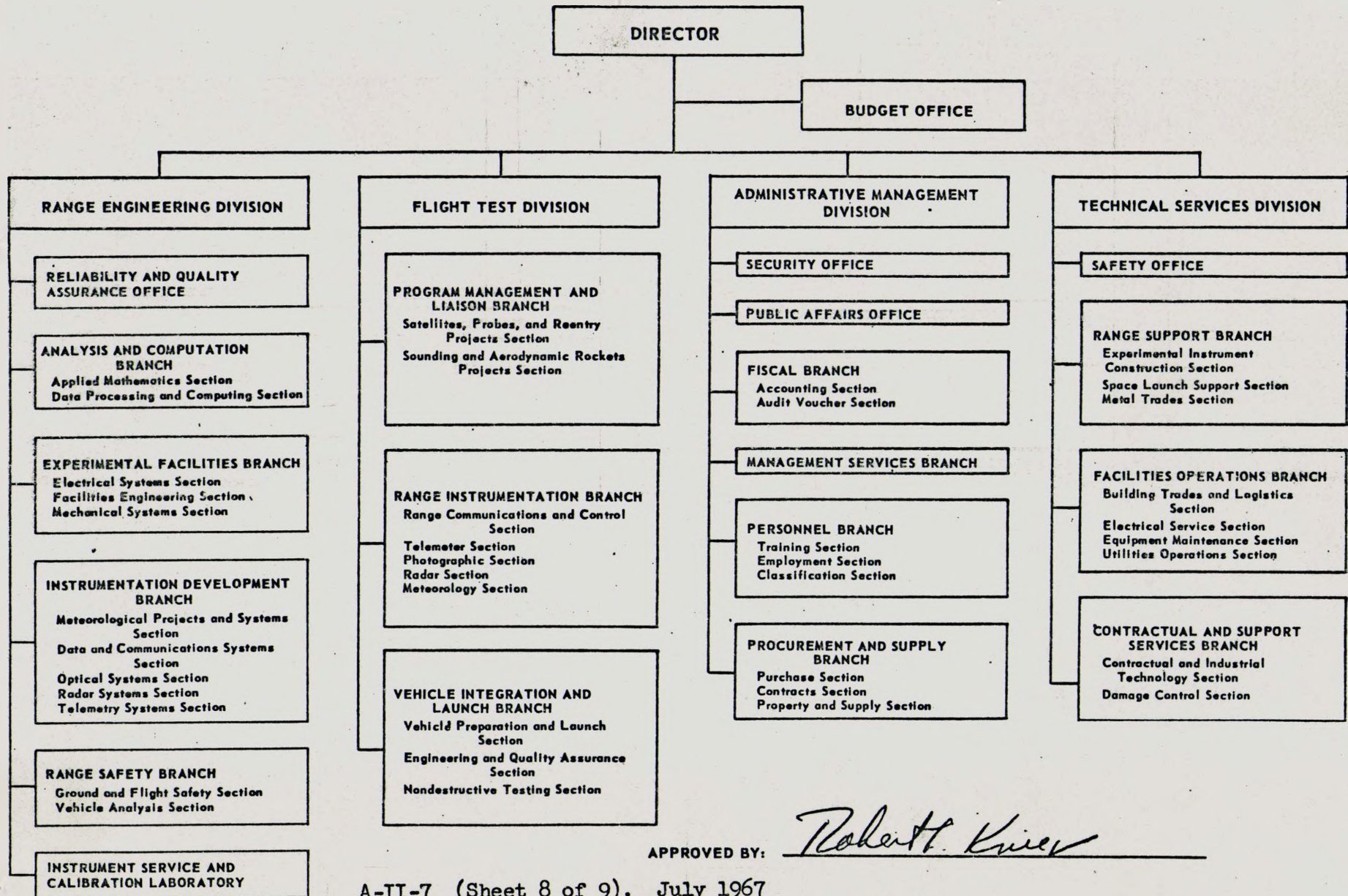


APPROVED BY:

Robert H. Kniep

1/16/67

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia



APPROVED BY:

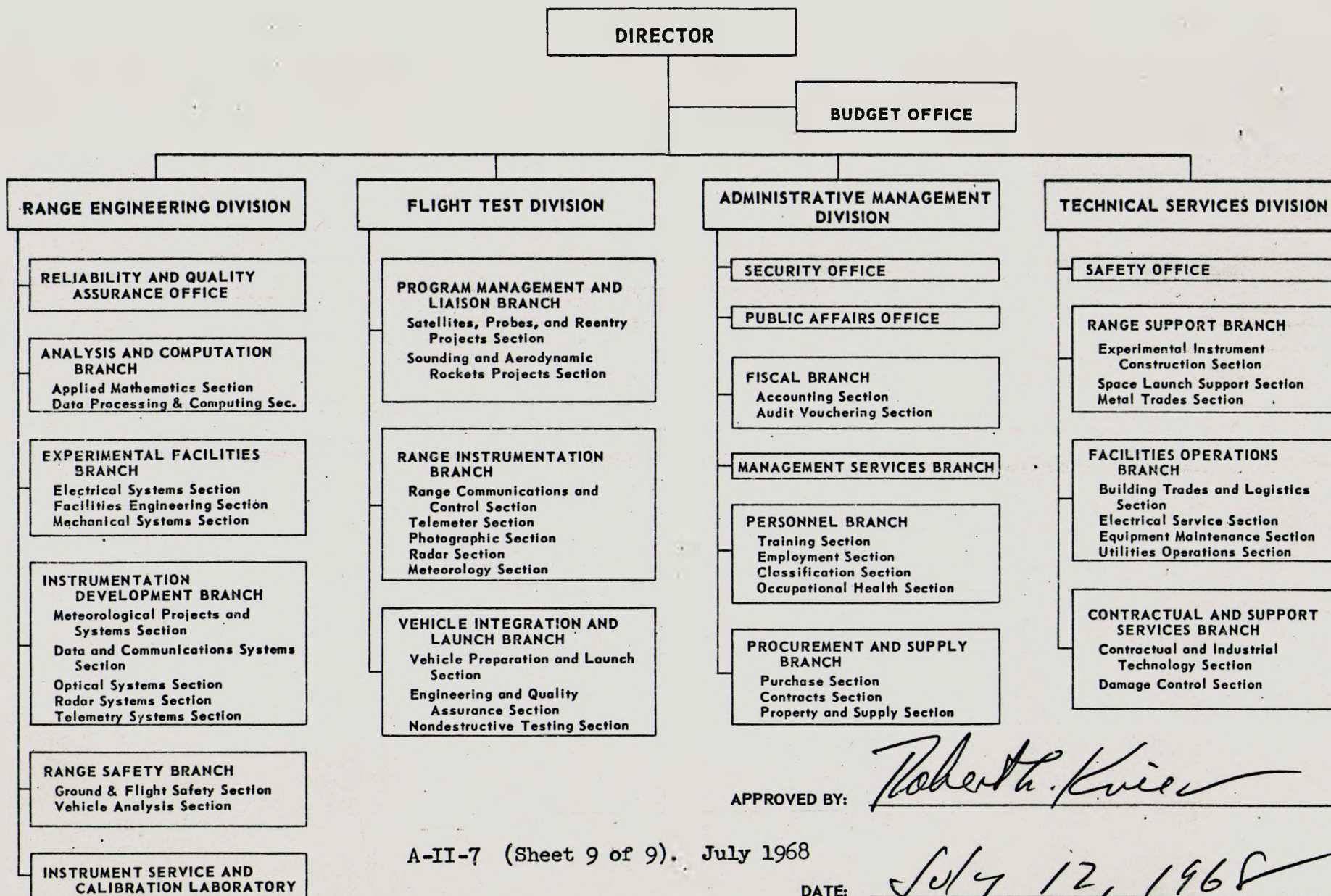
Robert H. Krier

A-II-7 (Sheet 8 of 9). July 1967

DATE:

7/8/67

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Wallops Station
Wallops Island, Virginia 23337



APPROVED BY:

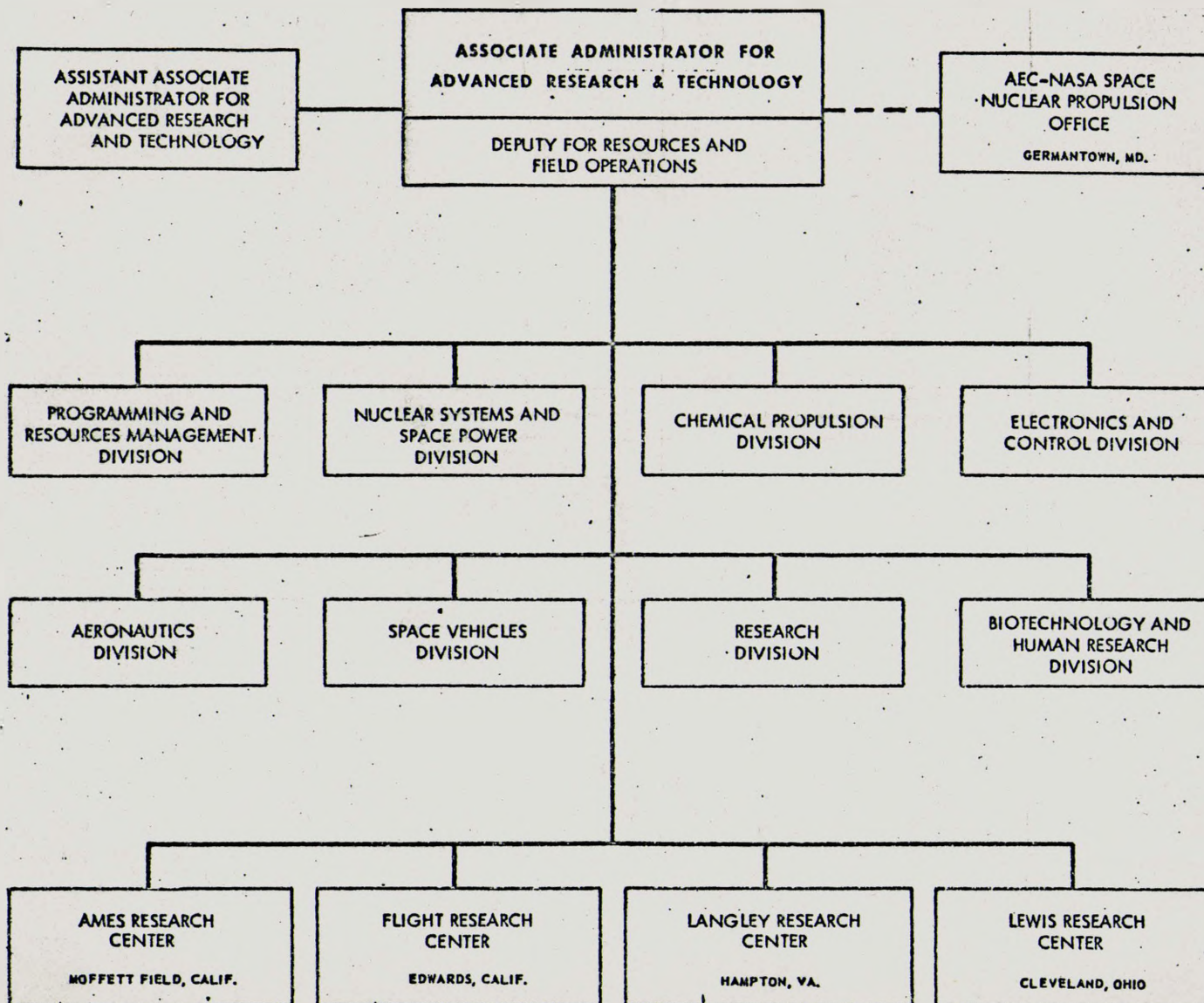
Robert H. Krier

A-II-7 (Sheet 9 of 9). July 1968

DATE:

July 12, 1968

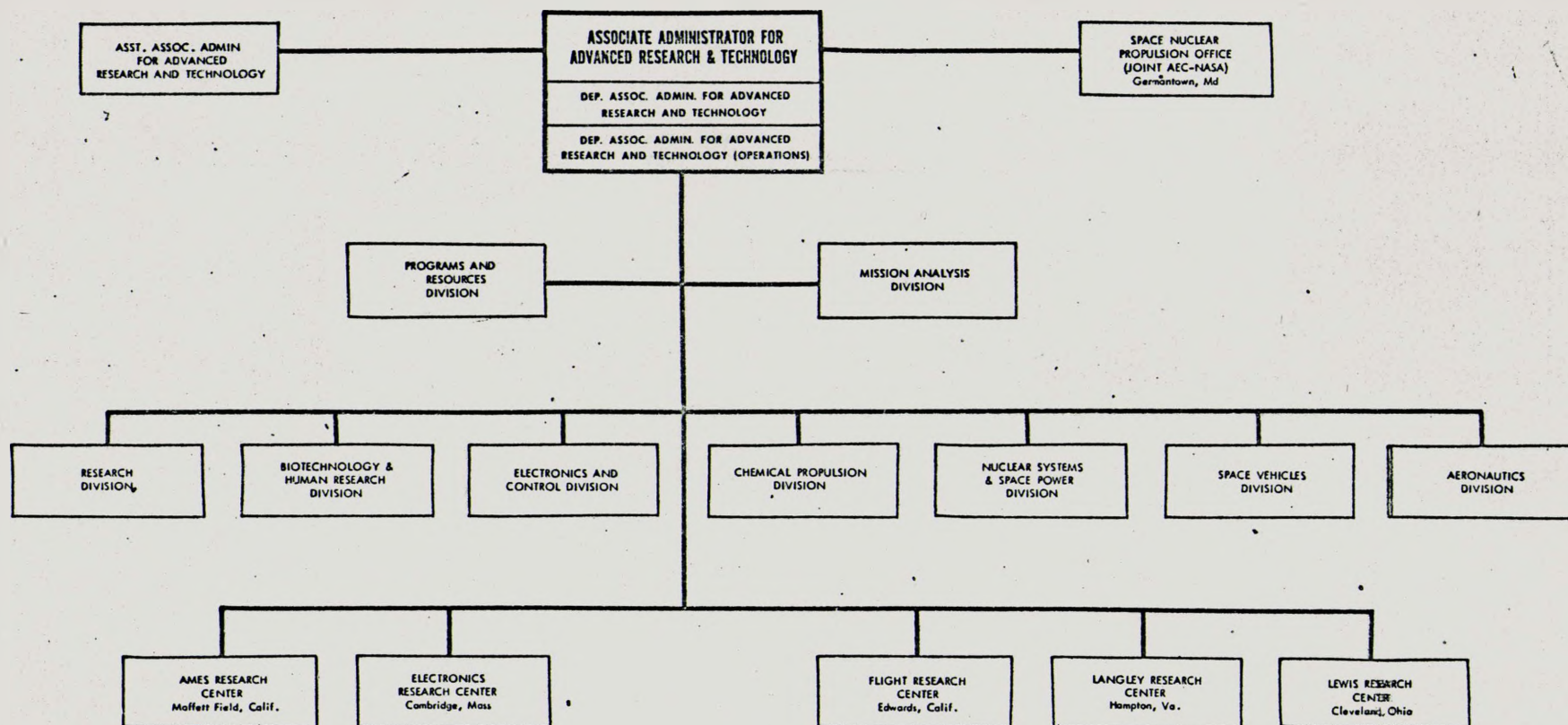
OFFICE OF ADVANCED RESEARCH AND TECHNOLOGY



Approved: Hugh L. England
Deputy Administrator

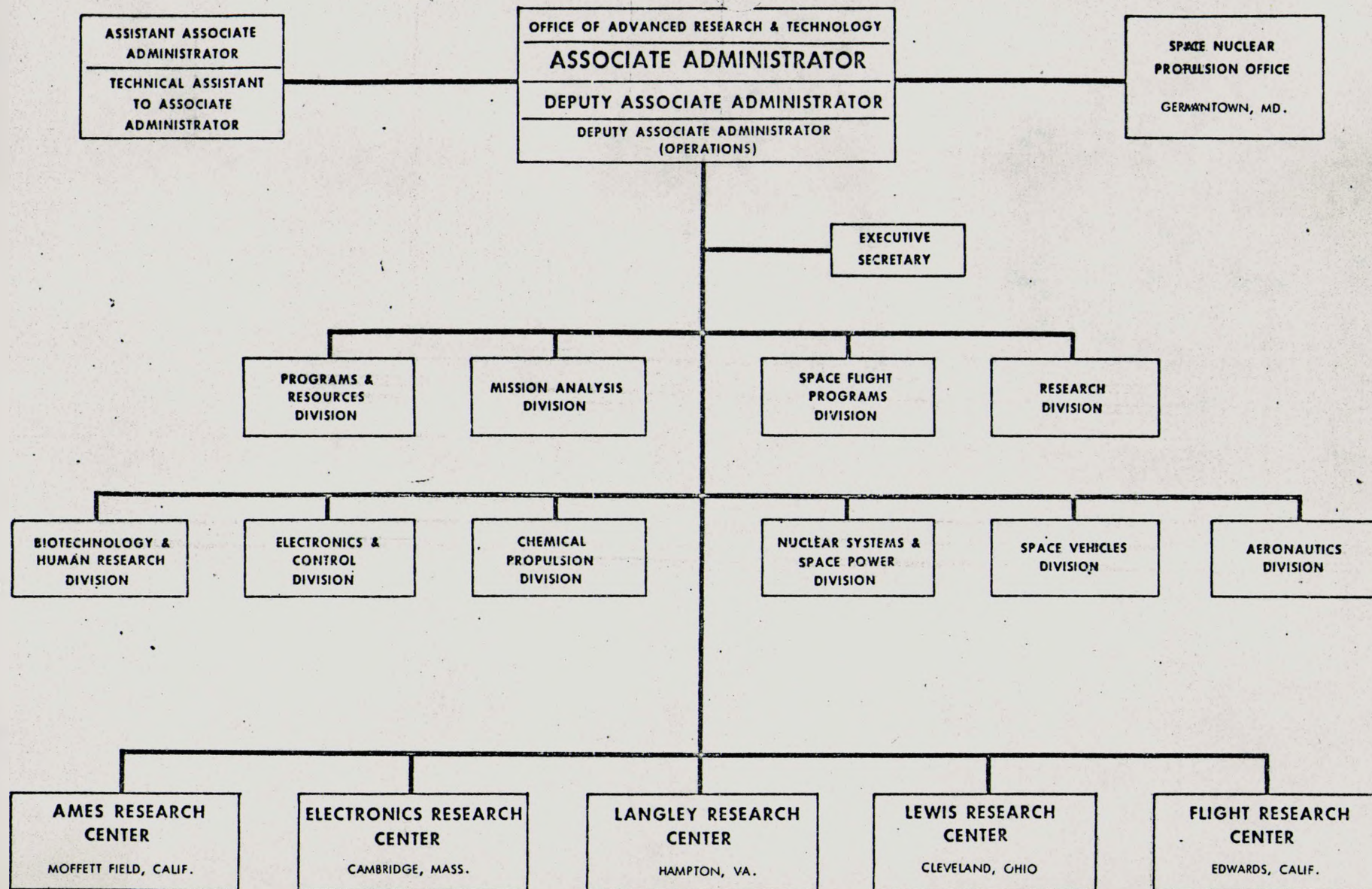
Date: December 27, 1963

OFFICE OF ADVANCED RESEARCH AND TECHNOLOGY



APPROVED: *Hugh E. Dryden*
Deputy Administrator
DATE: *8/27/65*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



APPROVED:

EFFECTIVE DATE:

James E. Webb
ADMINISTRATOR
February 9, 1966

A-II-8 (Sheet 3 of 5). February 1966

OFFICE OF ADVANCED RESEARCH AND TECHNOLOGY

Associate Administrator
Mac C. Adams

Deputy Associate Administrator
Alfred J. Eggers

DEPUTY ASSOCIATE ADMINISTRATOR (AERONAUTICS)
CHARLES W. HARPER

DEPUTY ASSOCIATE ADMINISTRATOR (SPACE)
*ALFRED J. EGGERS

DEPUTY ASSOCIATE ADMINISTRATOR (OPERATIONS)
BOYD C. MYERS II

ASSISTANT ASSOCIATE ADMINISTRATOR
J. L. SLOOP

DIRECTOR RESEARCH AND
TECHNOLOGY SUPPORT
C. R. MORRISON

EXECUTIVE SECRETARY
B. G. HULZMAN

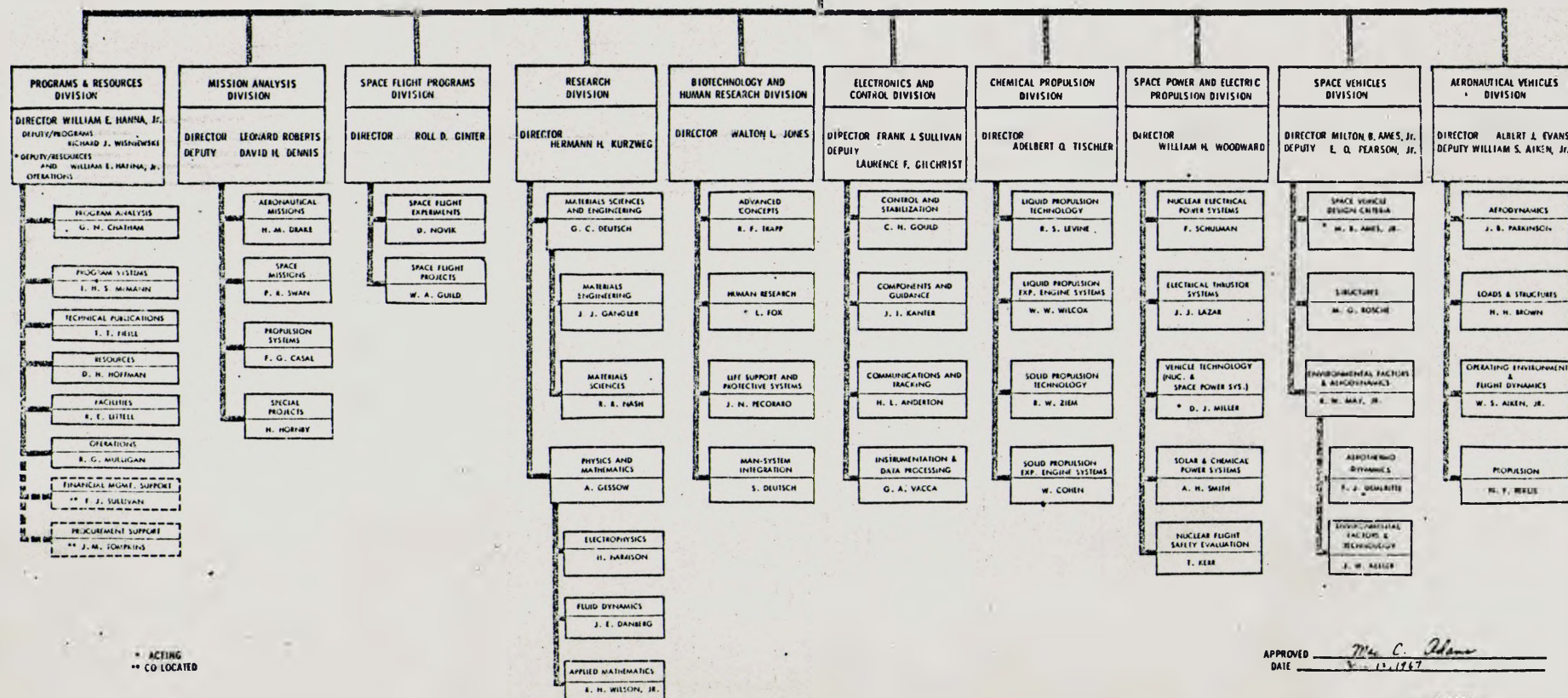
TECHNICAL ASSISTANT/
DEPUTY ASSOCIATE ADMINISTRATOR
N. B. COHEN

PUBLIC AFFAIRS OFFICER
** W. POMEROY

AEC-NASA SPACE
NUCLEAR PROPULSION OFFICE

MANAGER MILTON KLEIN

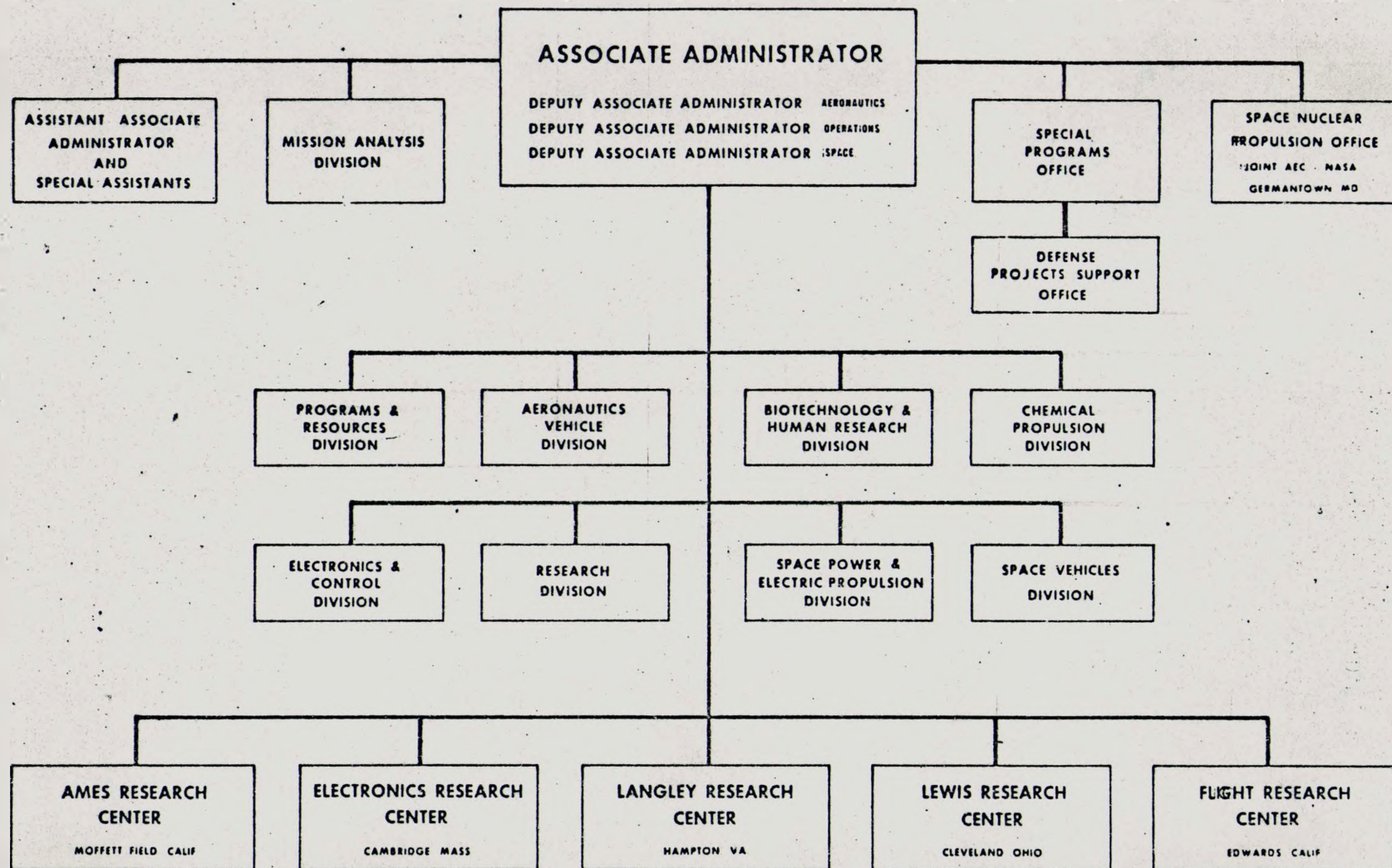
DEPUTY MANAGER DAVID S. GARRILL



APPROVED
DATE

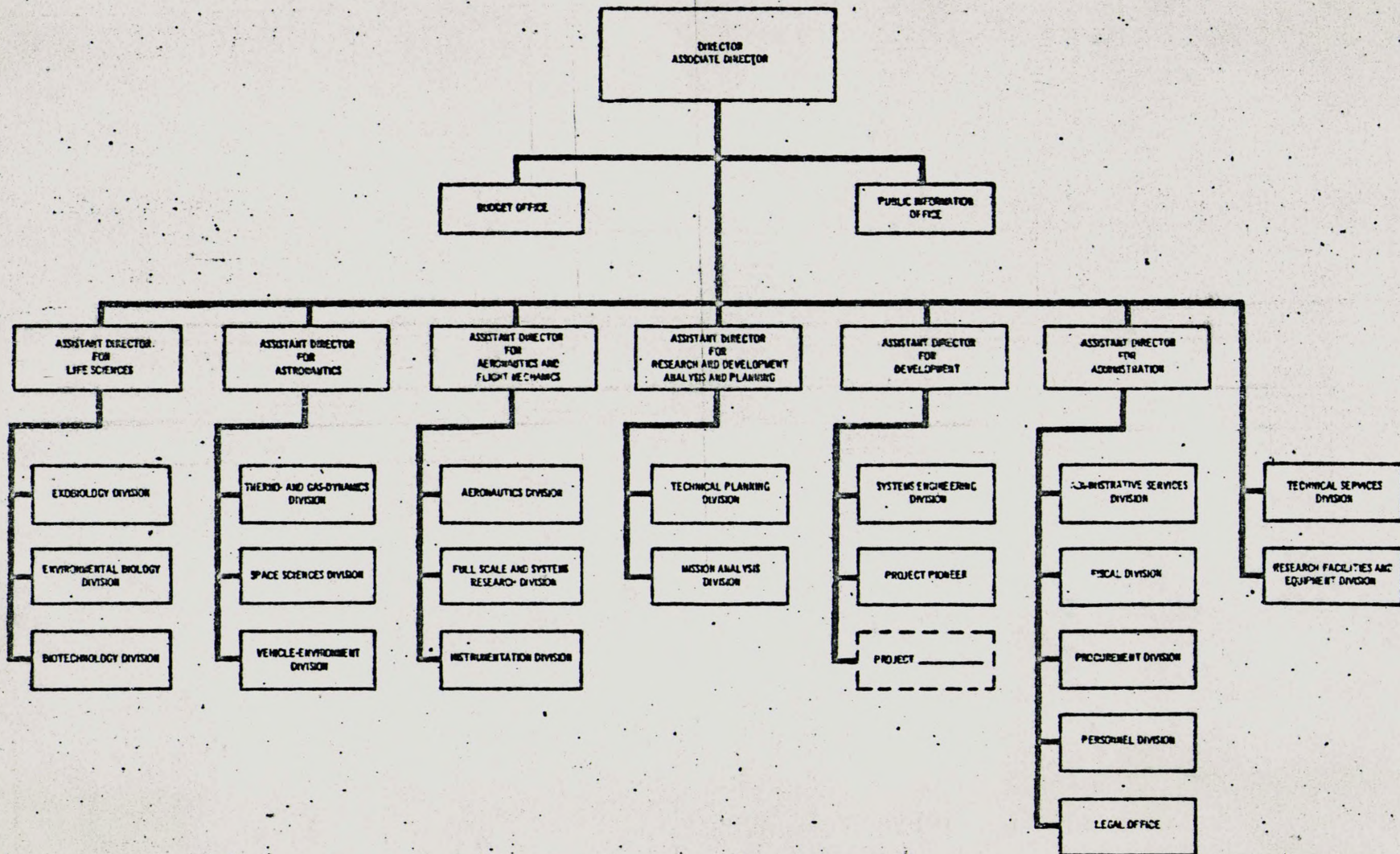
Mac C. Adams
12-12-67

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
OFFICE OF ADVANCED RESEARCH AND TECHNOLOGY



APPROVED: James E. Webb
 Administrator
 EFFECTIVE DATE: April 10, 1968

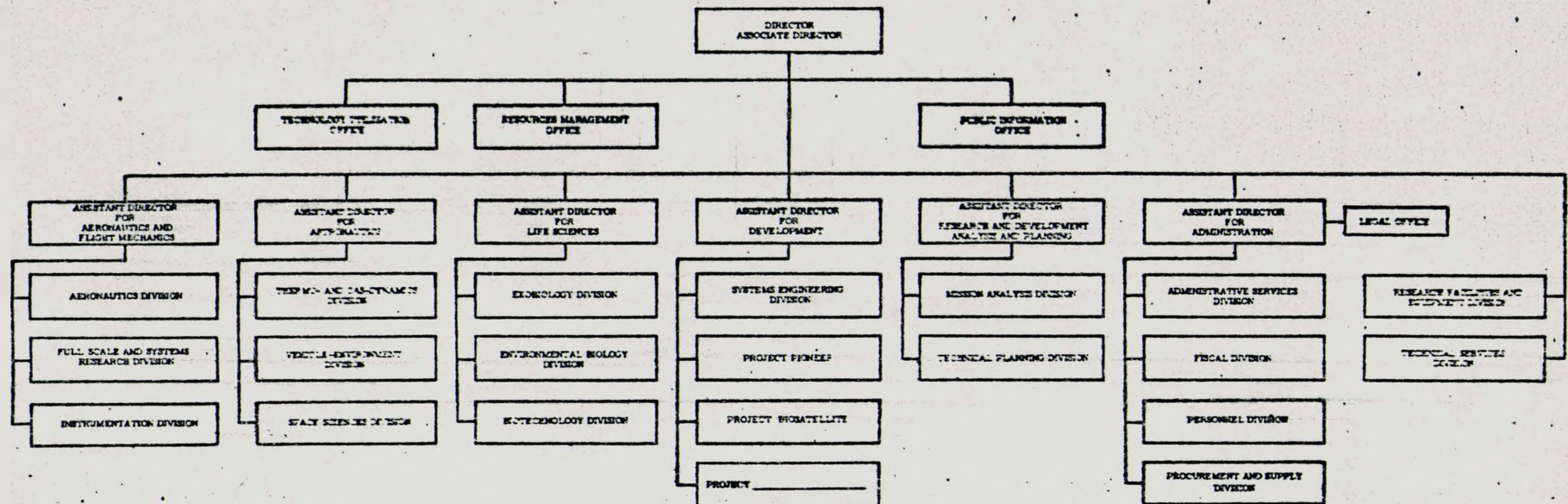
AMES RESEARCH CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MOFFETT FIELD, CALIFORNIA



A-II-9 (Sheet 1 of 3). January 1963

James E. Webb Jan 11, 1963
ADMINISTRATOR

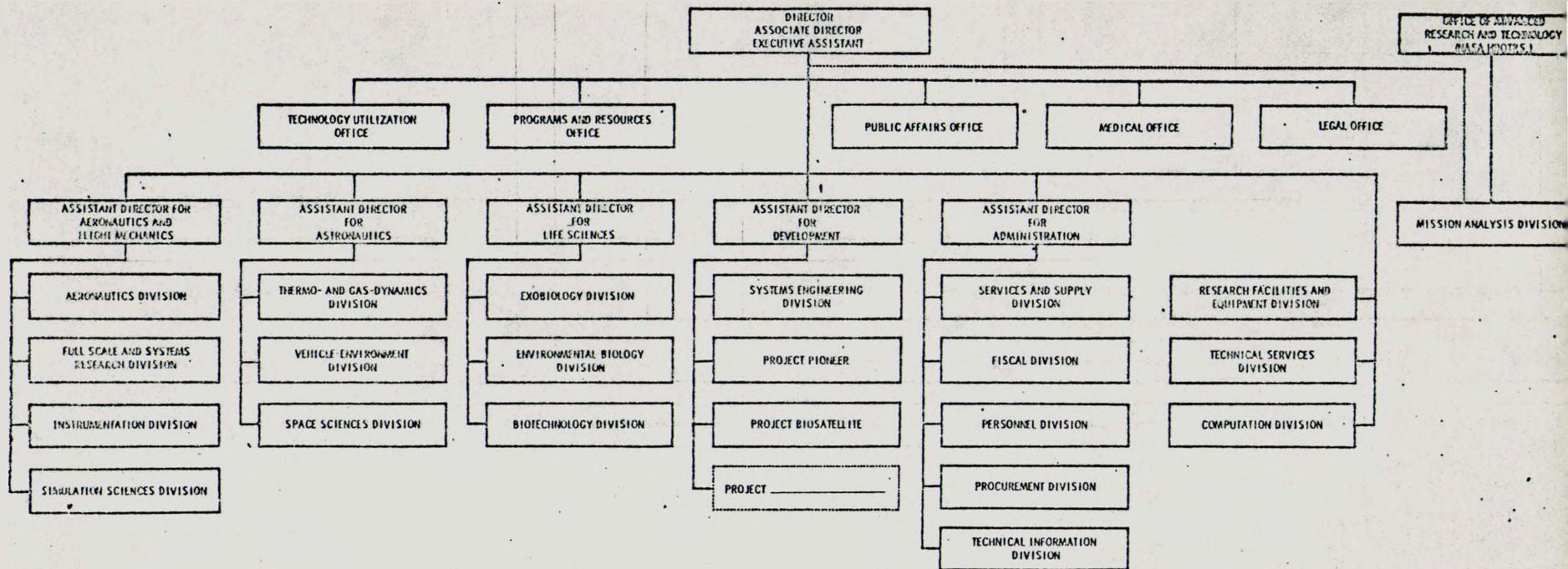
AMES RESEARCH CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MOFFETT FIELD, CALIFORNIA



APPROVED: Hugh Z. Dryden
Deputy Administrator

DATE: Dec 2, 1963

AXES RESEARCH CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MORTT FIELD, CALIFORNIA



APPROVED

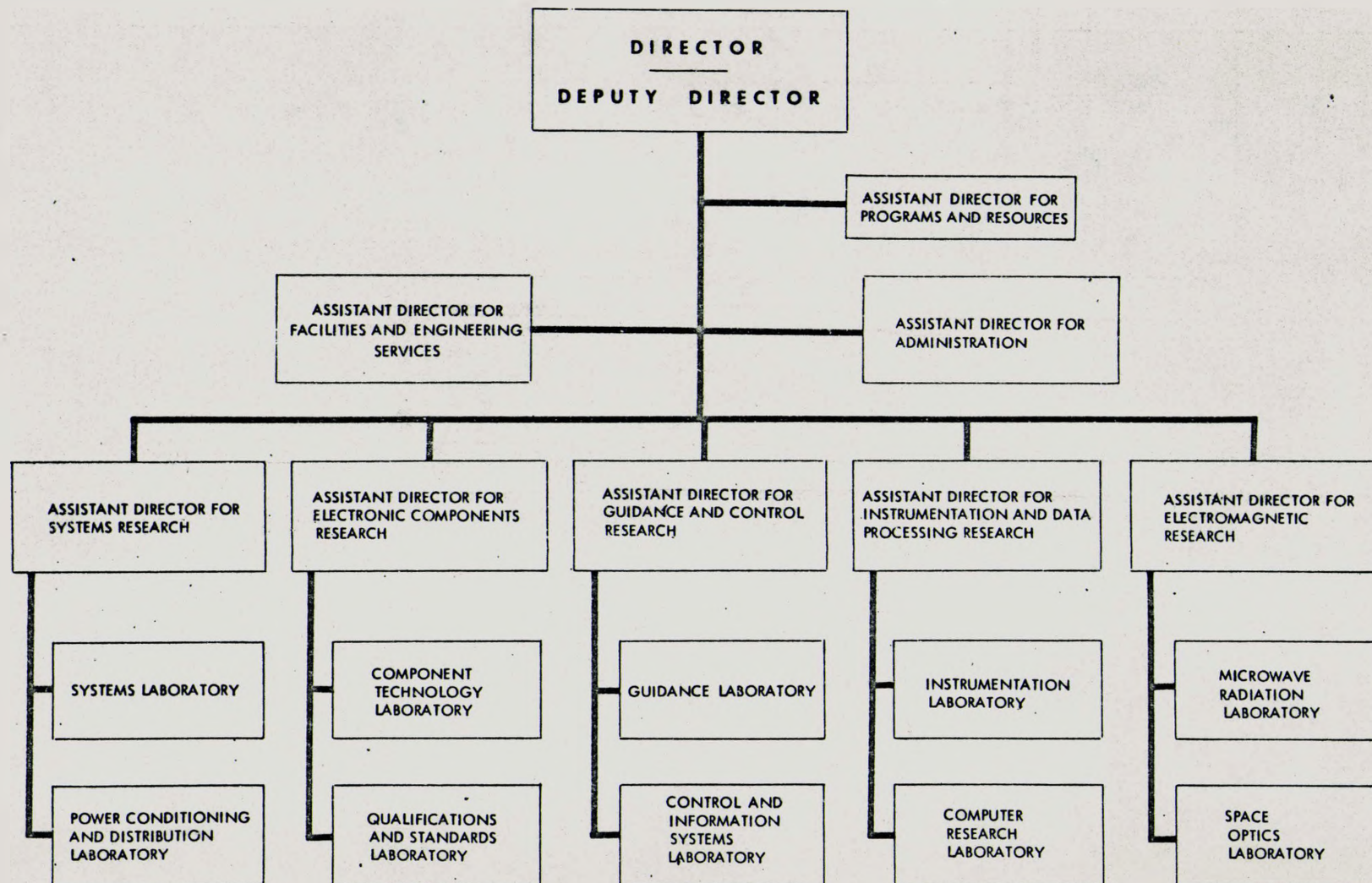
James E. Webb
ADMINISTRATOR

DATE:

Apr. 26, 1966

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
ELECTRONICS RESEARCH CENTER

Cambridge, Mass



APPROVED:

DATE:

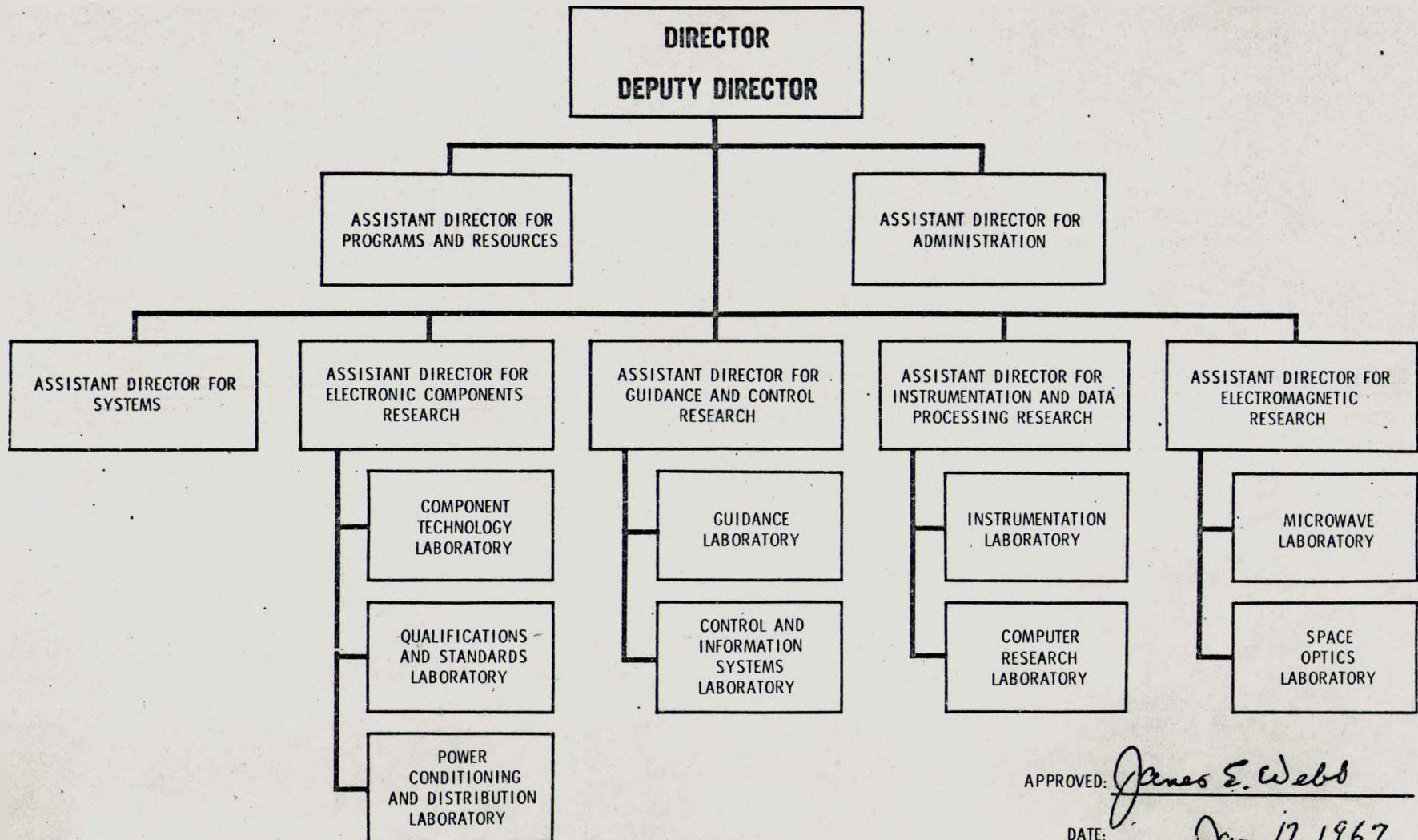
James E. Webb
January 27, 1965

A-II-10 (Sheet 1 of 2). January 1965

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

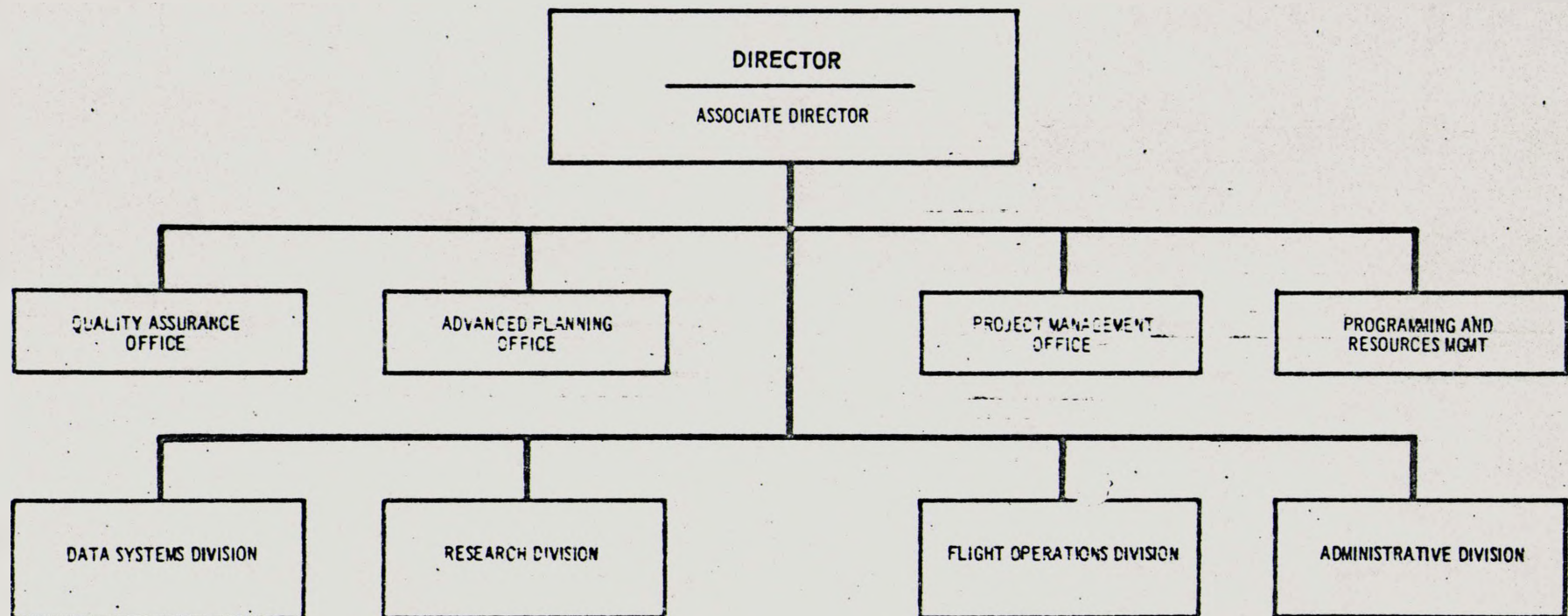
ELECTRONICS RESEARCH CENTER

Cambridge, Massachusetts



APPROVED: James E. Webb
DATE: Jan. 17, 1967

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
FLIGHT RESEARCH CENTER

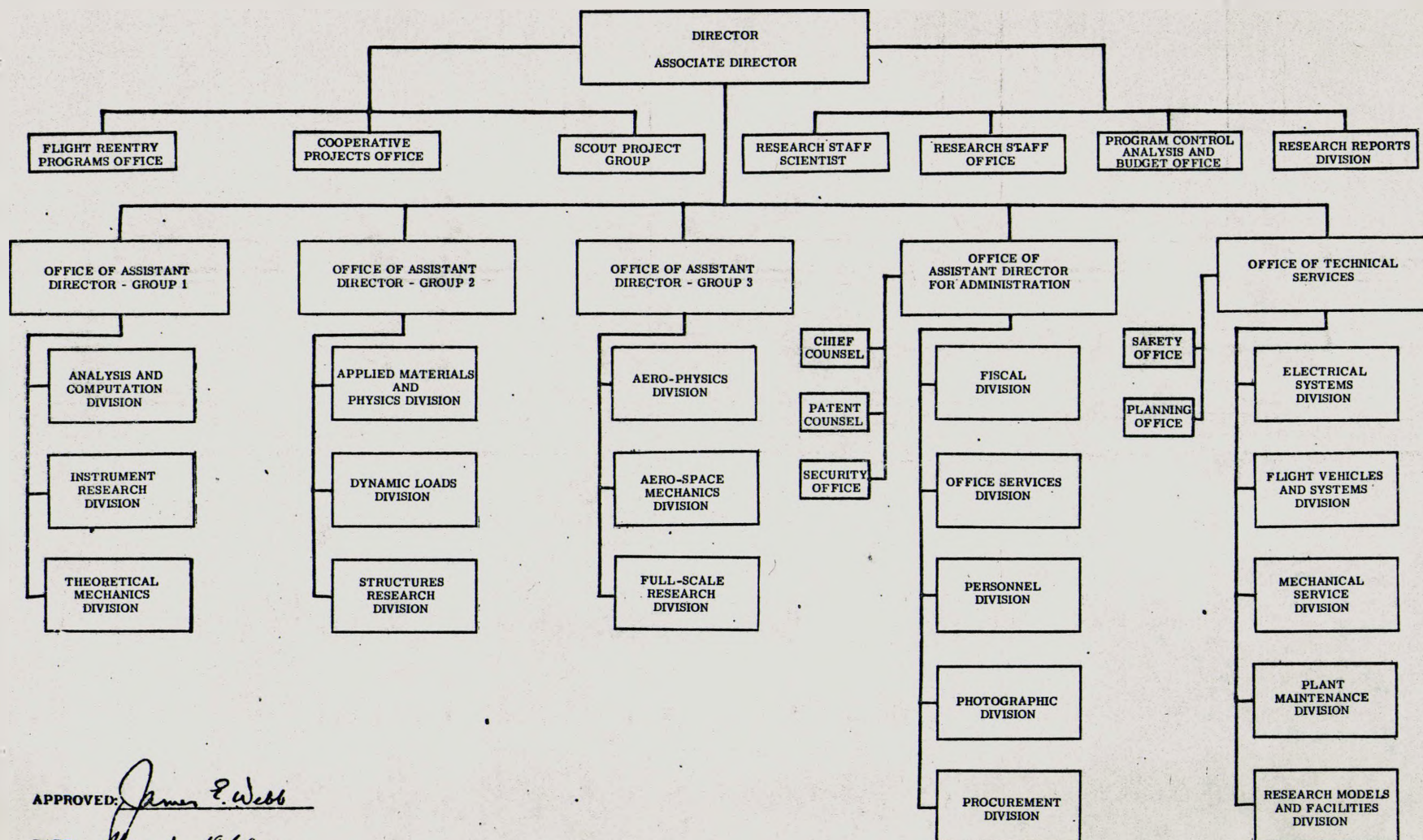


APPROVED Hugh L. Dryden

DATE February 18, 1964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

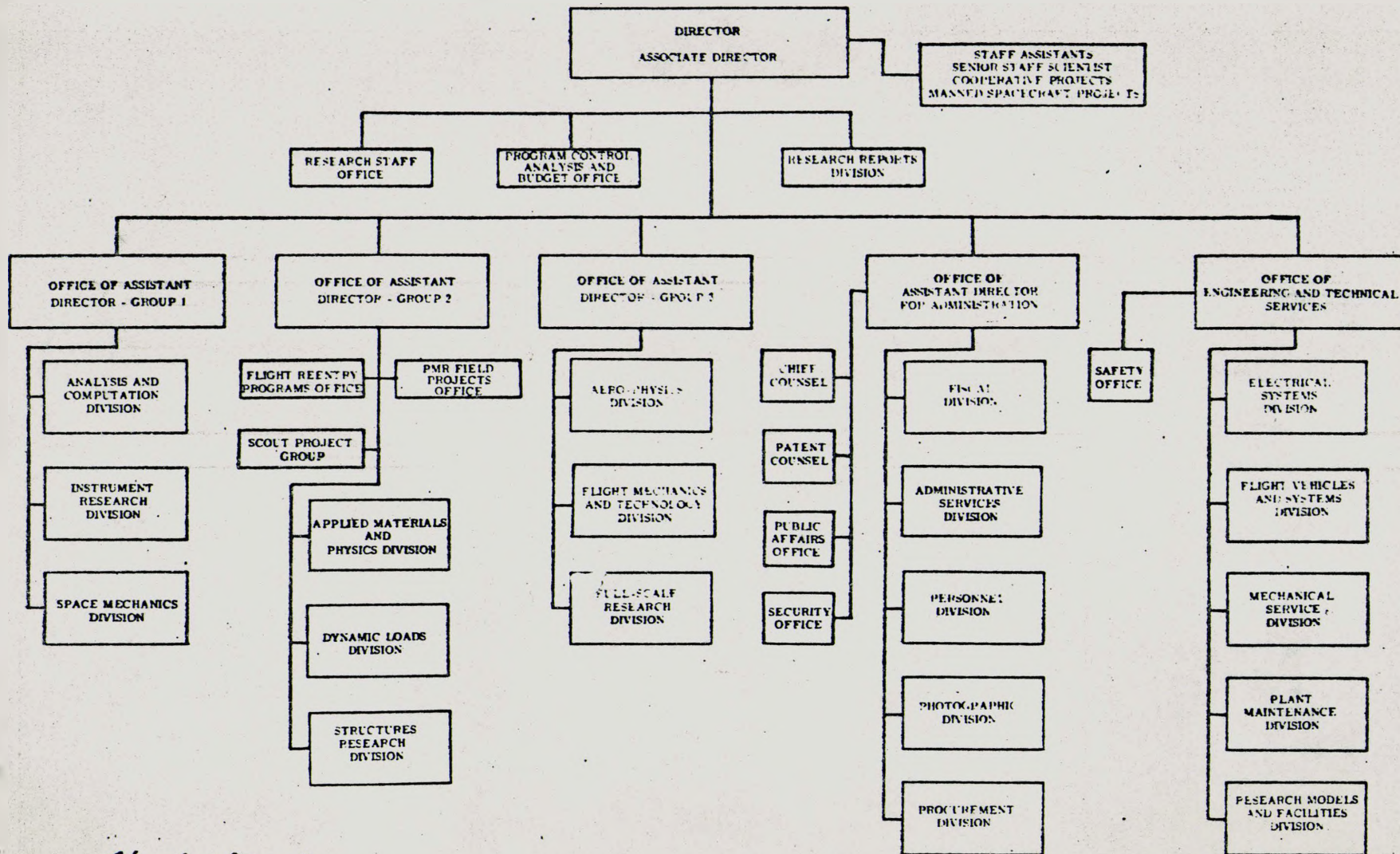
LANGLEY RESEARCH CENTER



APPROVED: *James E. Webb*

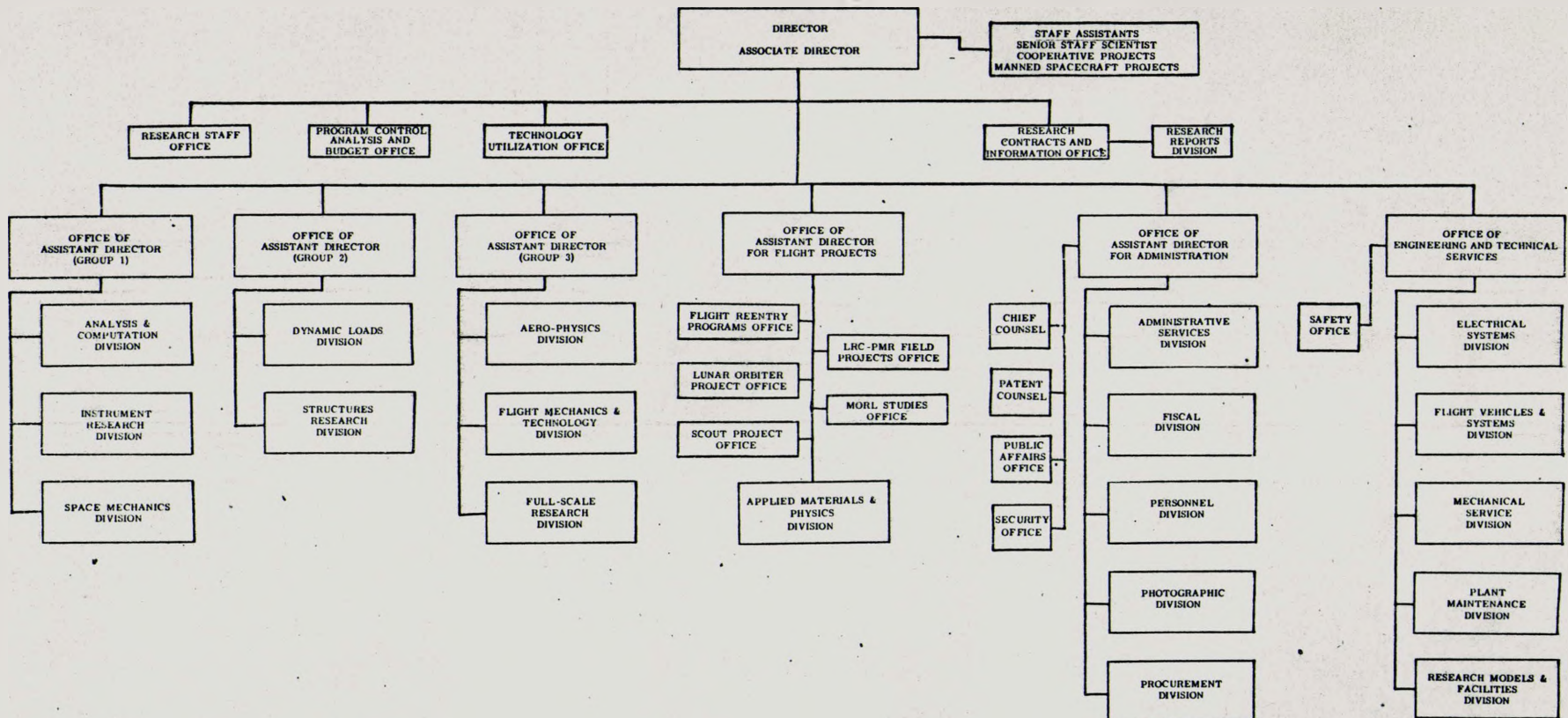
DATE: *May 1, 1962*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER



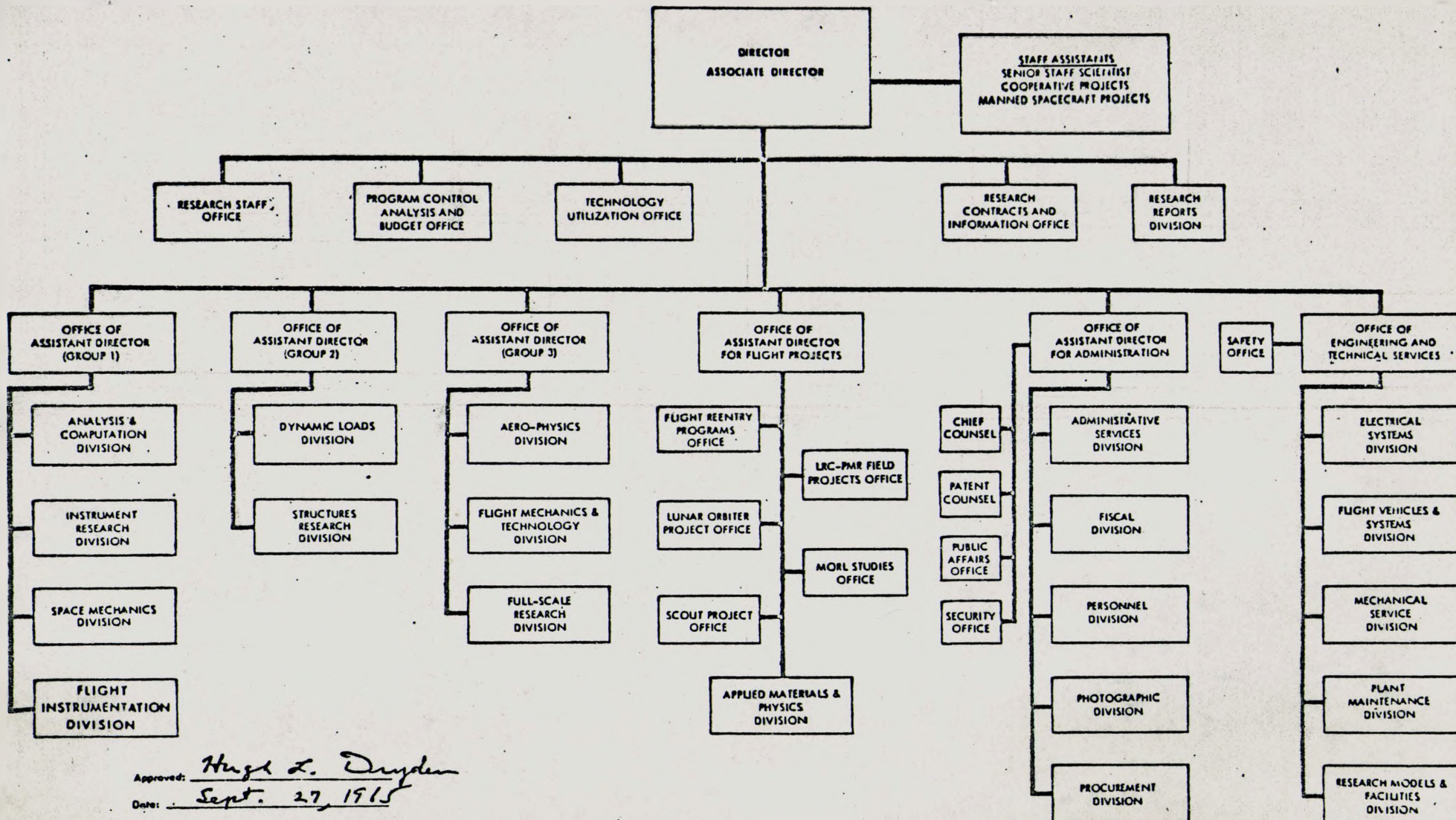
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DATE: *June 24, 1963*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER

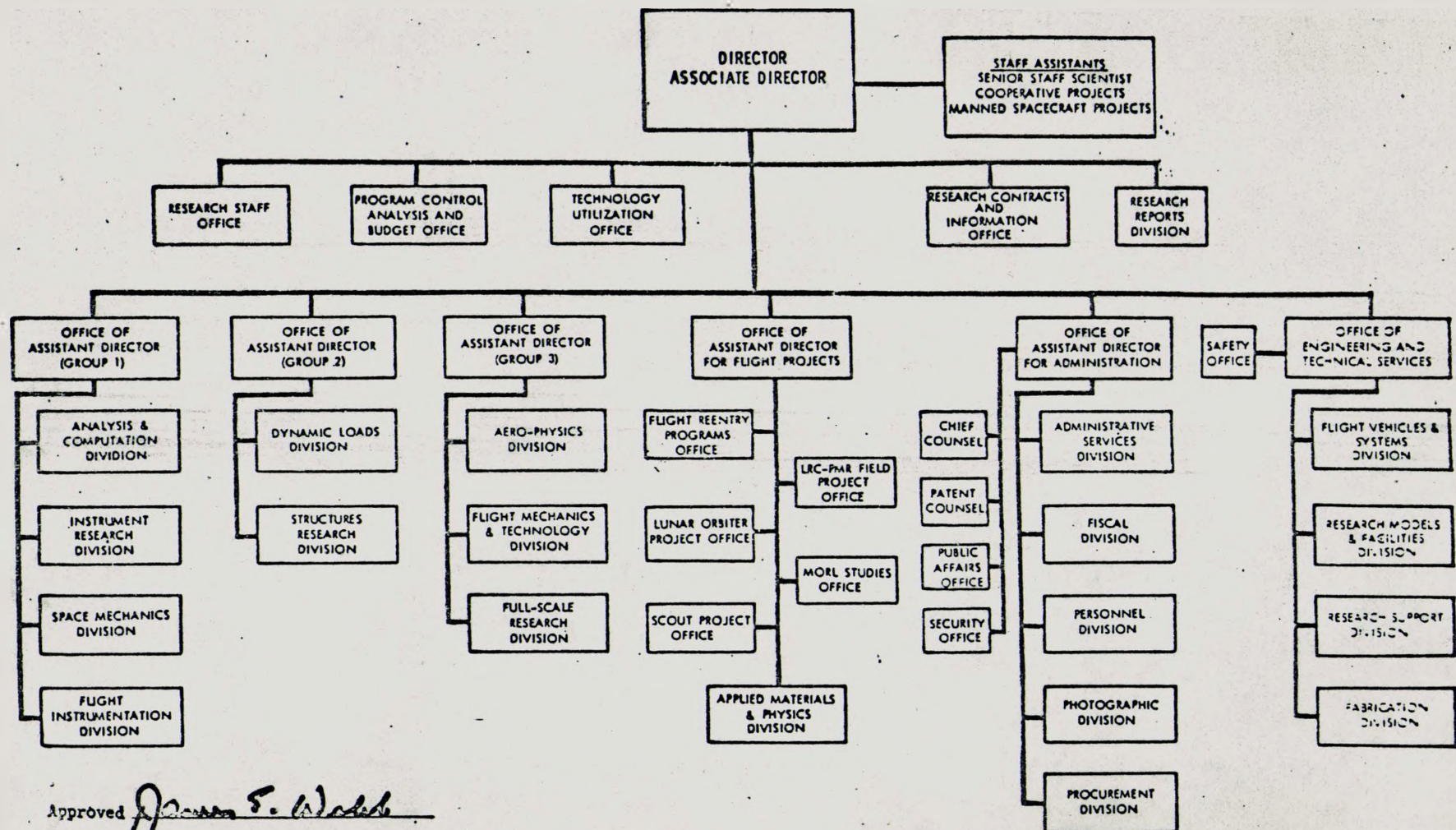


APPROVED: *Hugh L. Dryden*
DATE: *April 30, 1964*

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER



Approved James S. Walsh
Date May 23, 1968

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO

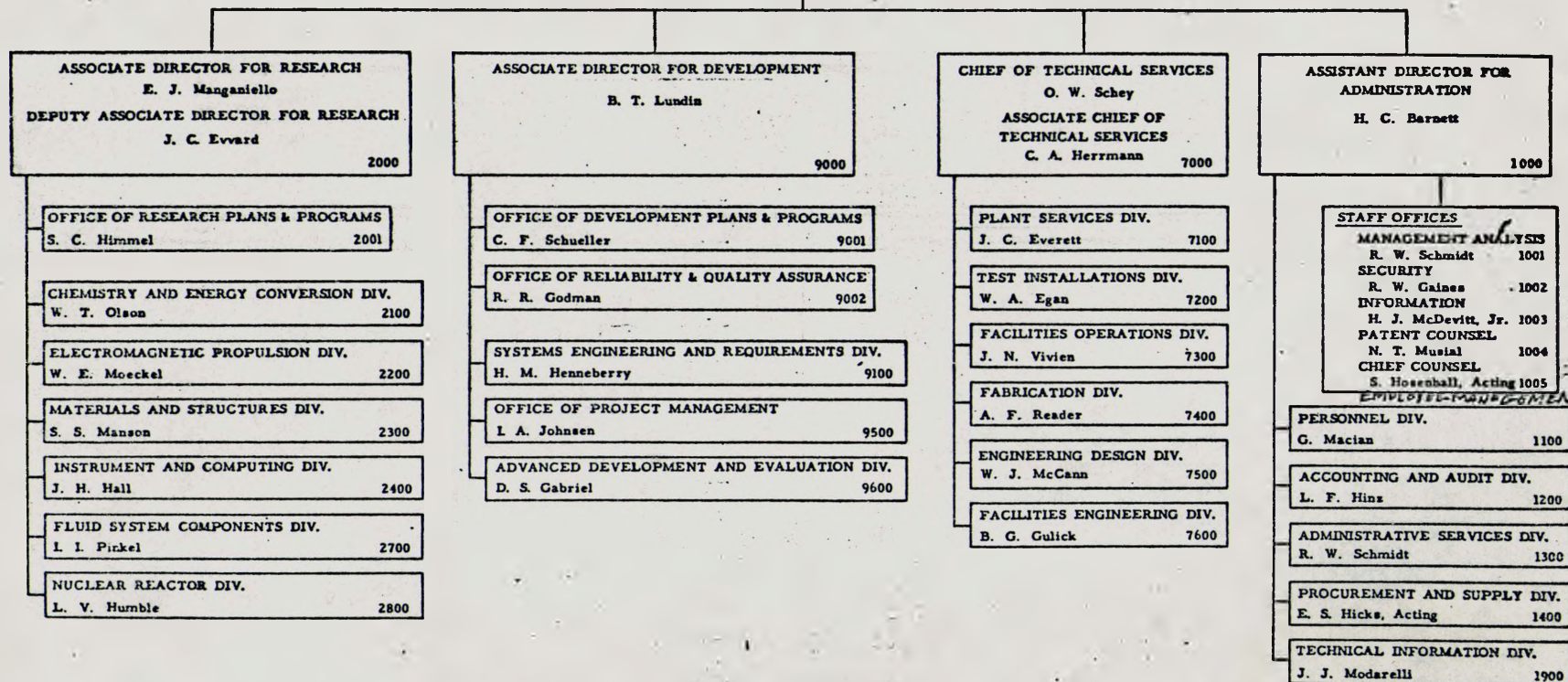
DIRECTOR
A. Silverstein
DEPUTY DIRECTOR
E. J. Manganiello
ASSISTANT TO THE DIRECTOR
J. F. Connors
N. D. Sanders 100

APPROVED: *W. E. Silverstein*
ABE SILVERSTEIN
DIRECTOR

DATE: JANUARY, 1962

BUDGET OFFICE
V. Gordon 105

PLUM BROOK STATION
A. D. Johnson 6000



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
CLEVELAND, OHIO

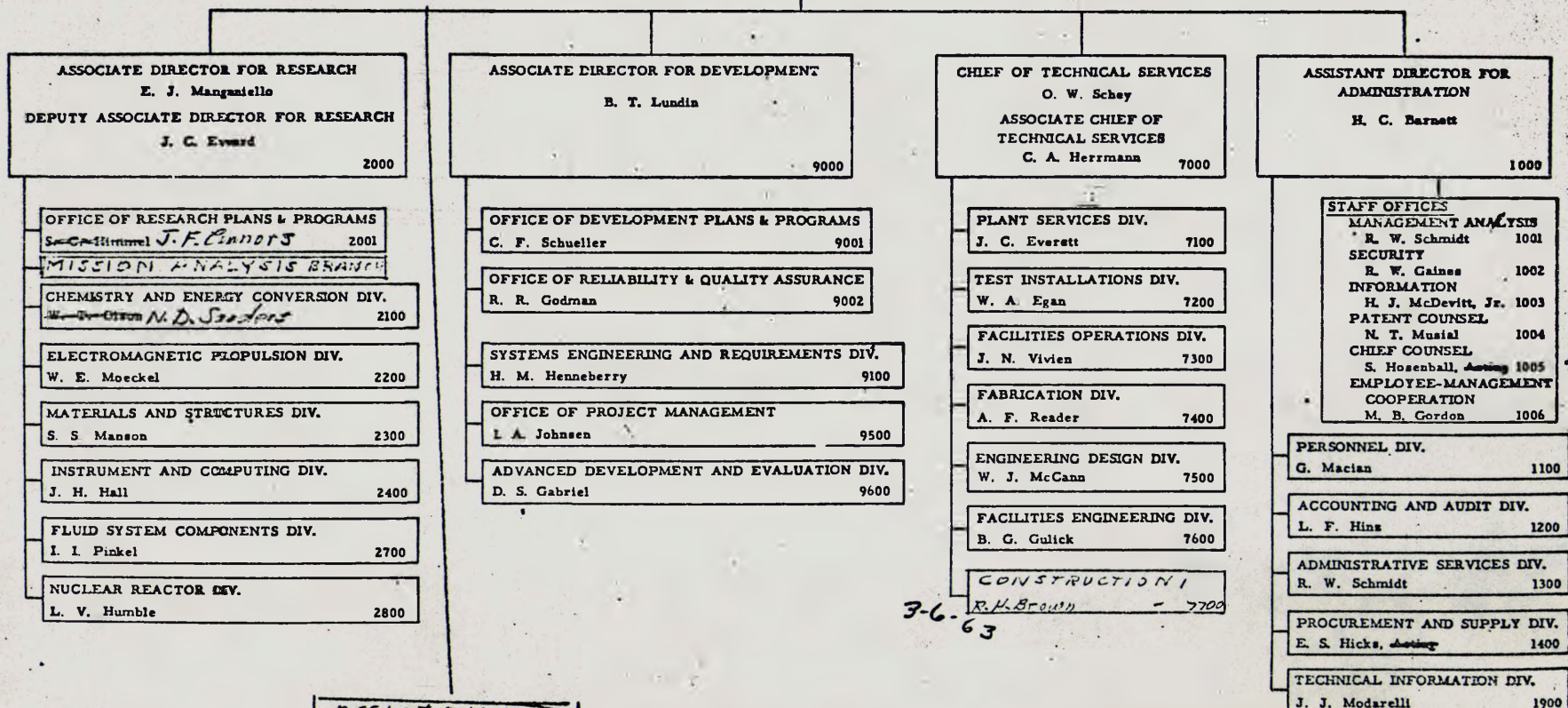
DIRECTOR
A. Silverstein
DEPUTY DIRECTOR
E. J. Manganiello
ASSISTANT TO THE DIRECTOR
J. F. Connors
N. D. Sanders 100

APPROVED: *Abe Silverstein*
ABE SILVERSTEIN
DIRECTOR

Revised date: October, 1962

BUDGET OFFICE
V. Gordon 105

PLUM BROOK STATION
A. D. Johnson 6000



ASSISTANT
DIRECTOR FOR
PUBLIC AFFAIRS
W. T. Olson 7000

National Aeronautics and Space Administration

LEWIS RESEARCH CENTER

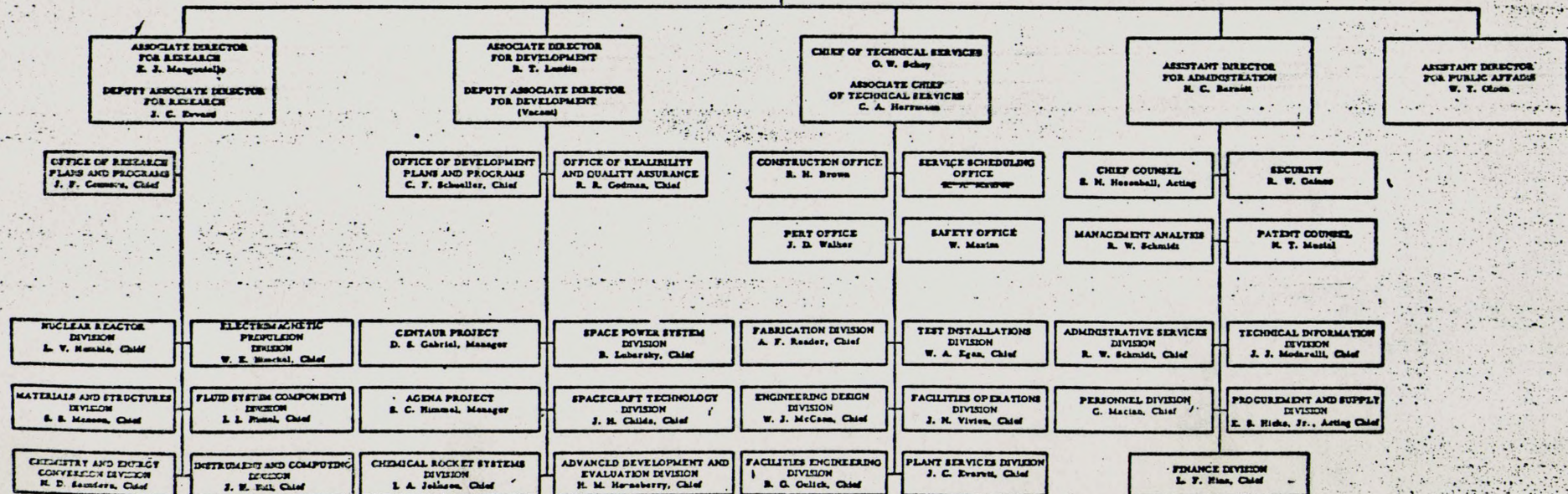
Cleveland, Ohio

DIRECTOR
Abraham Silverstein
DEPUTY DIRECTOR
E. J. Maganelli

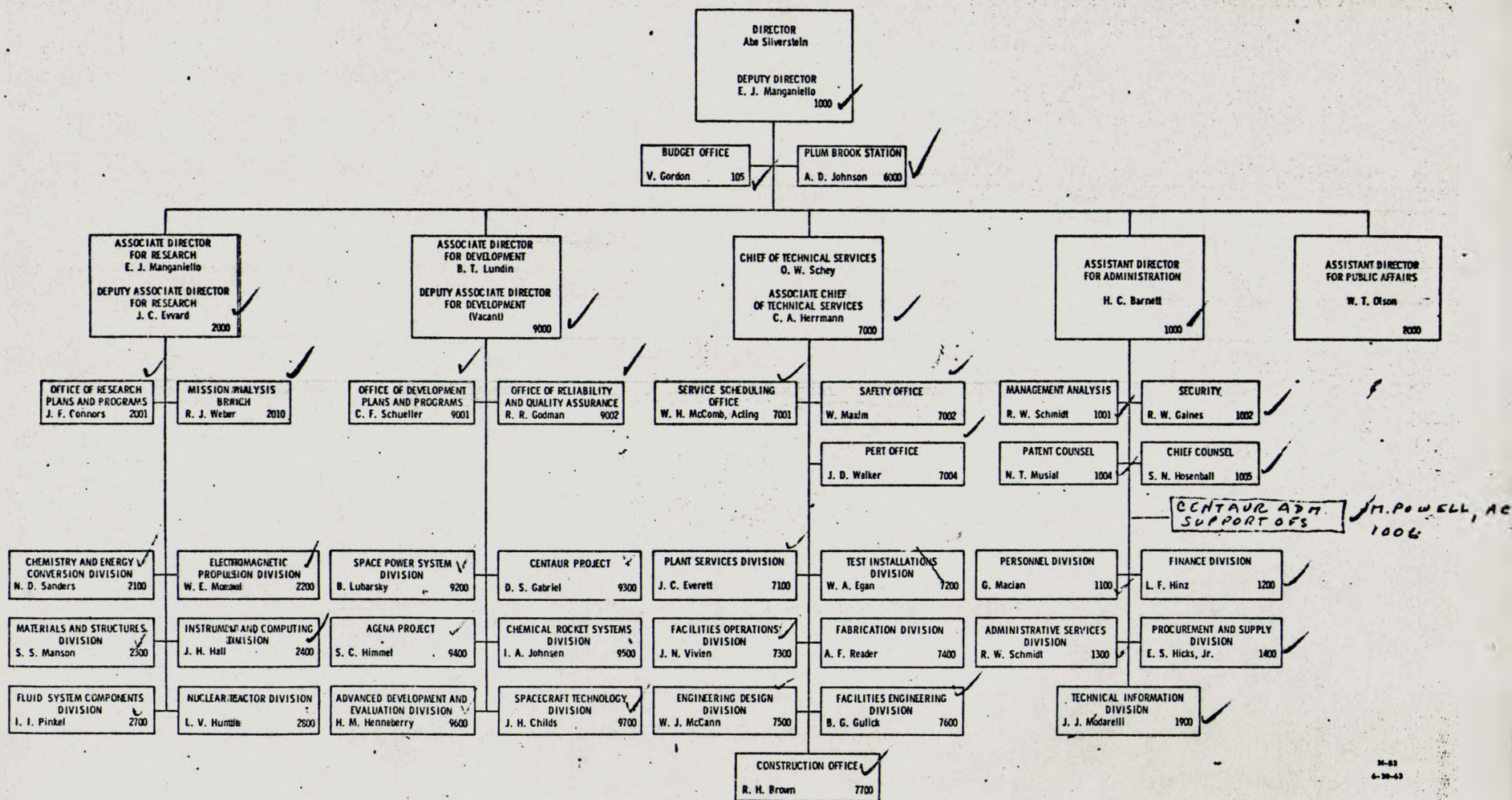
APPROVED: *Abraham Silverstein*
ABRAHAM SILVERSTEIN
DIRECTOR
DATE: FEBRUARY 21, 1963

BUDGET OFFICE
V. Gordon

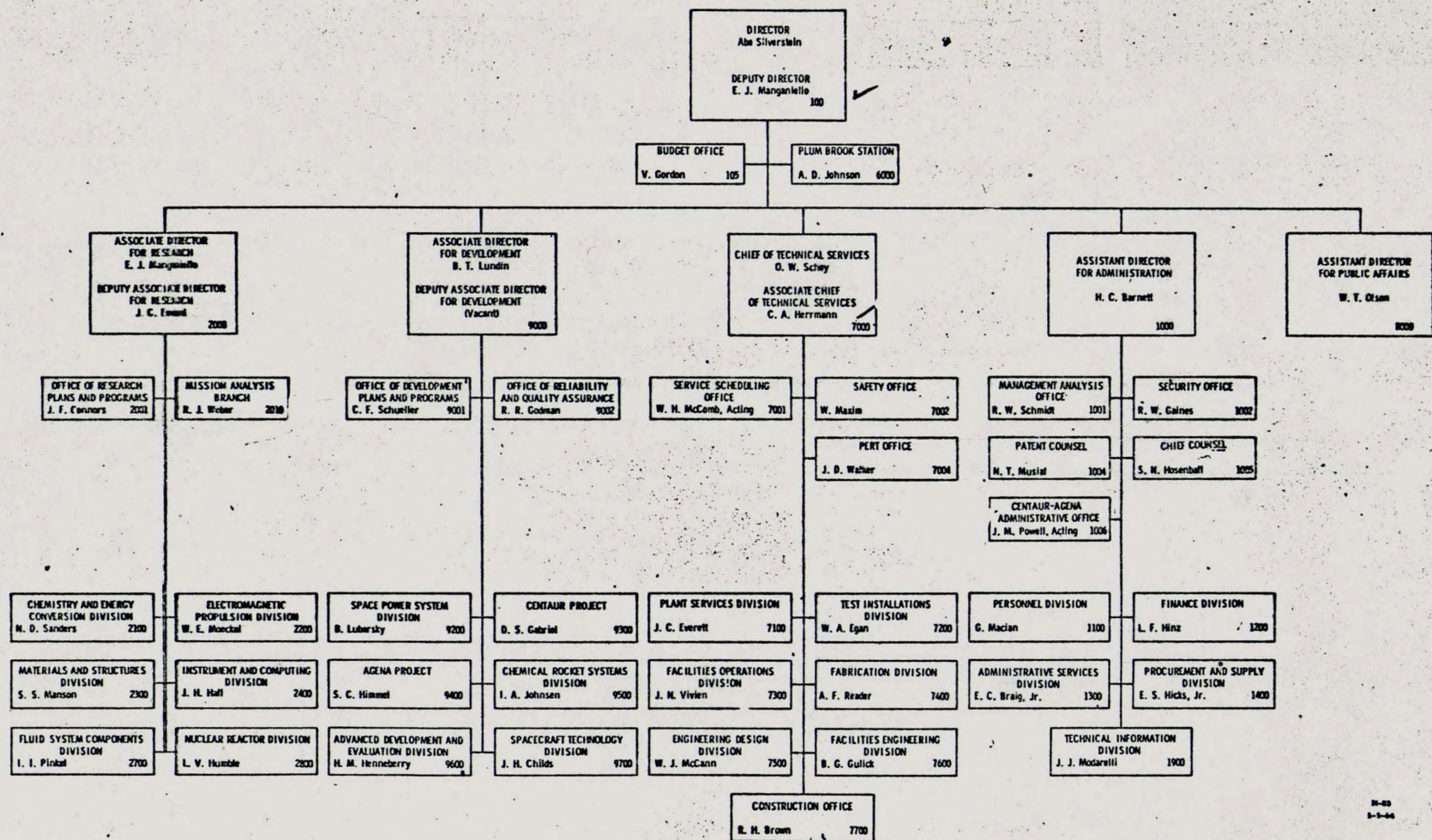
FLUM BROOK STATION
A. D. Johnson



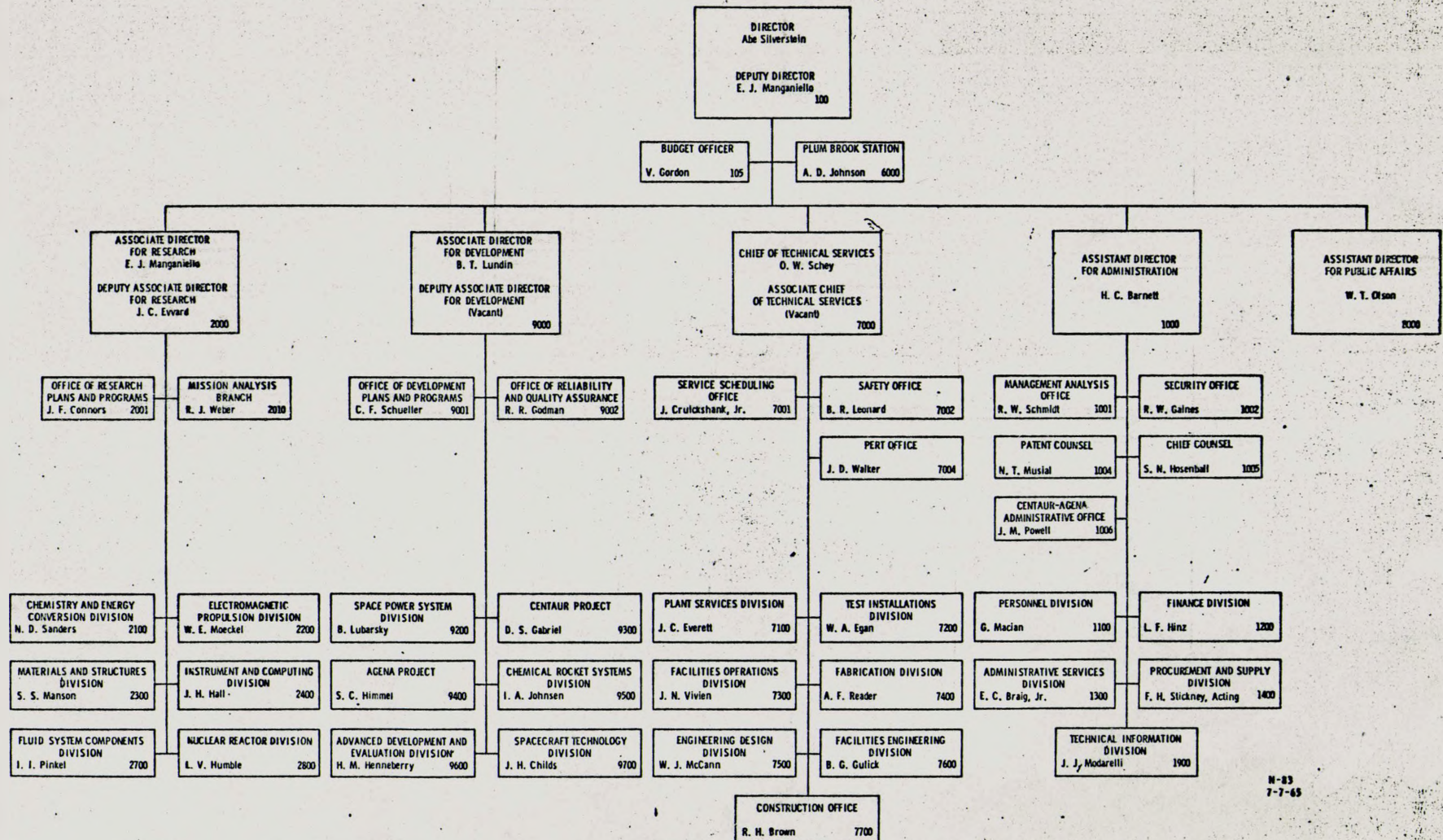
**National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
Cleveland, Ohio**



National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
Cleveland, Ohio

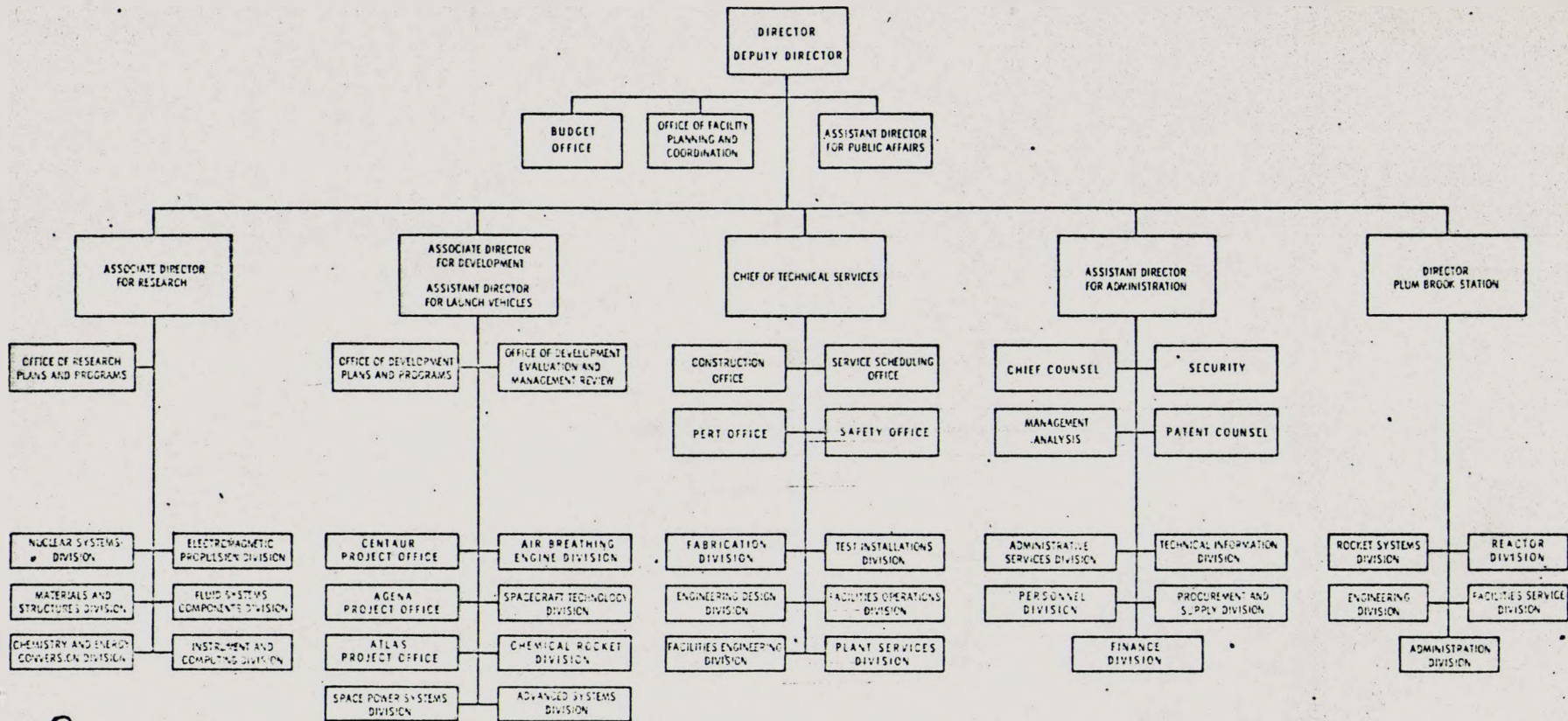


National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
 Cleveland, Ohio



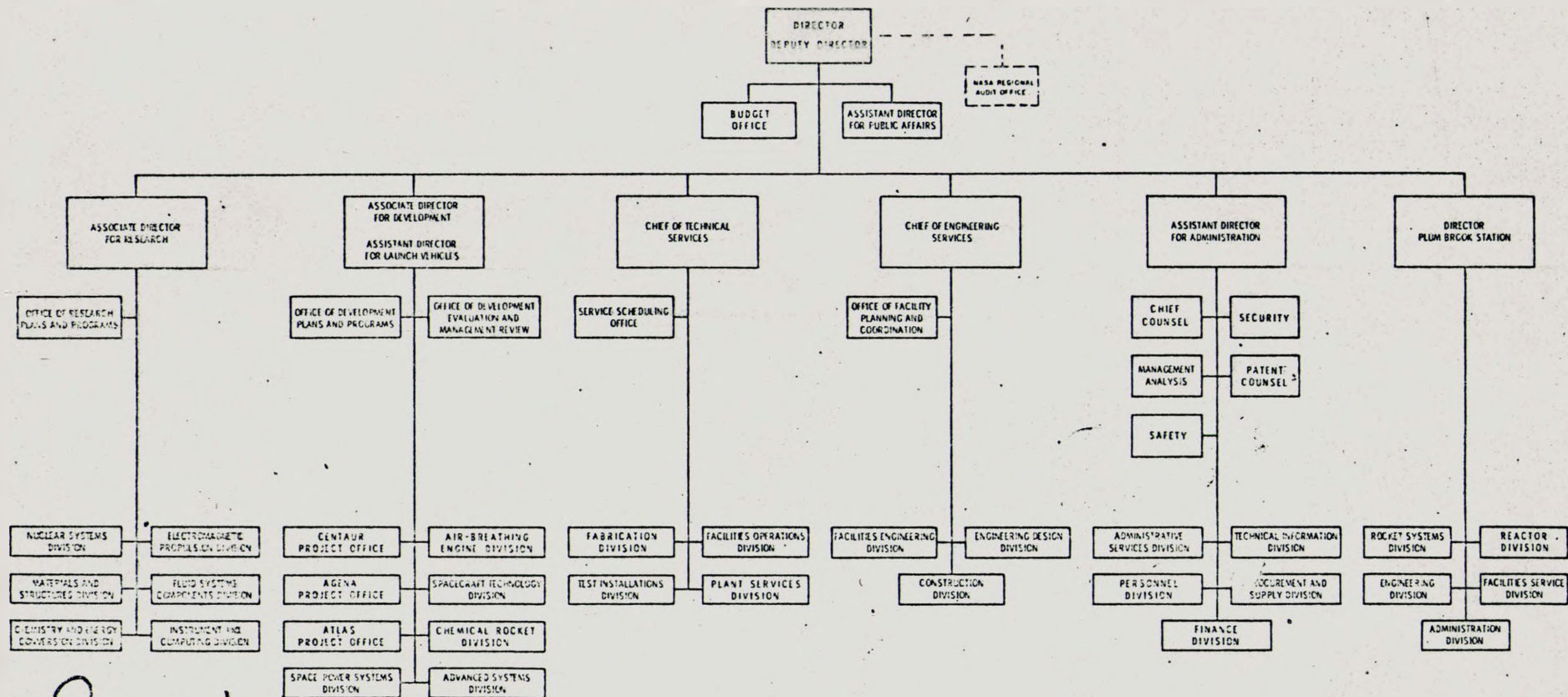
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7-7-65

National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
Cleveland, Ohio



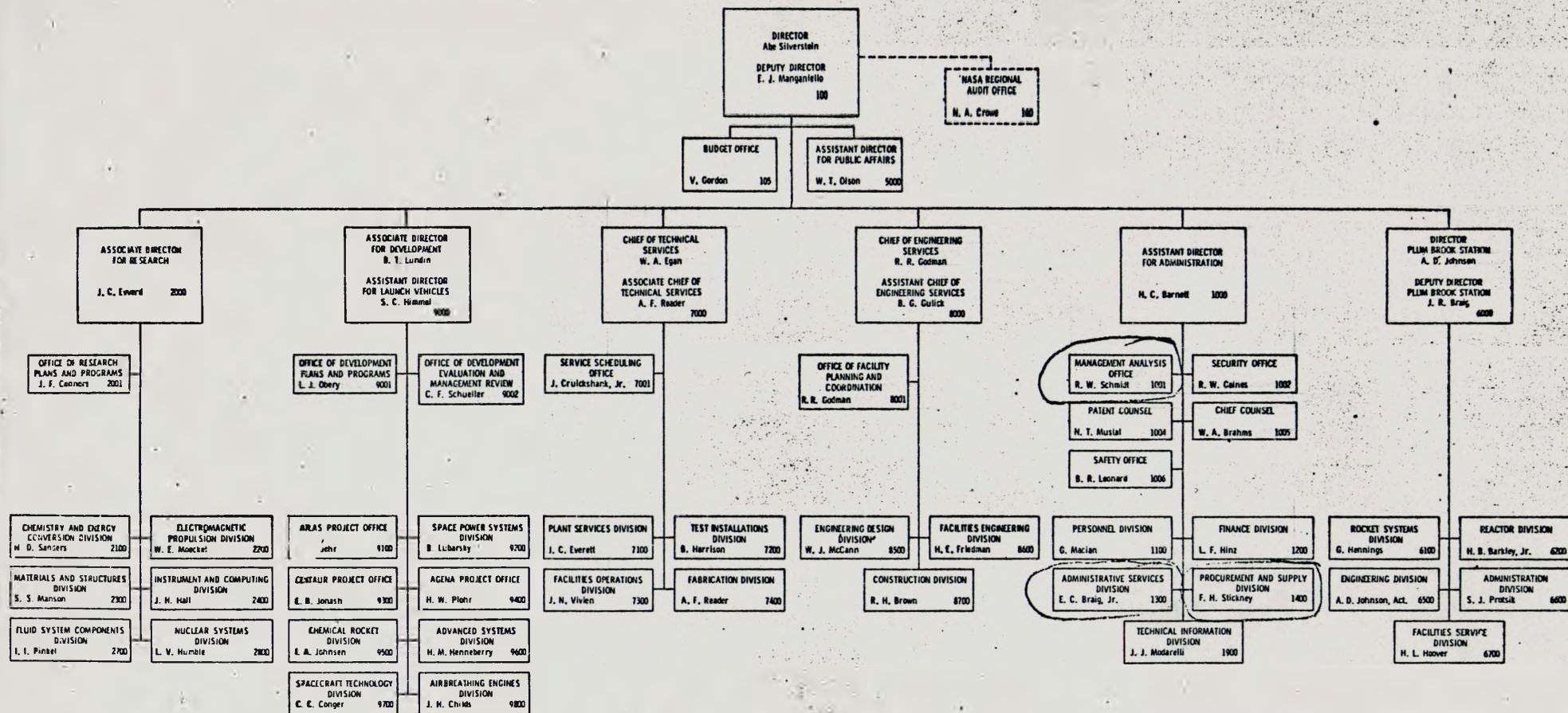
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Date: Jan 5, 1966

National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
Cleveland, Ohio



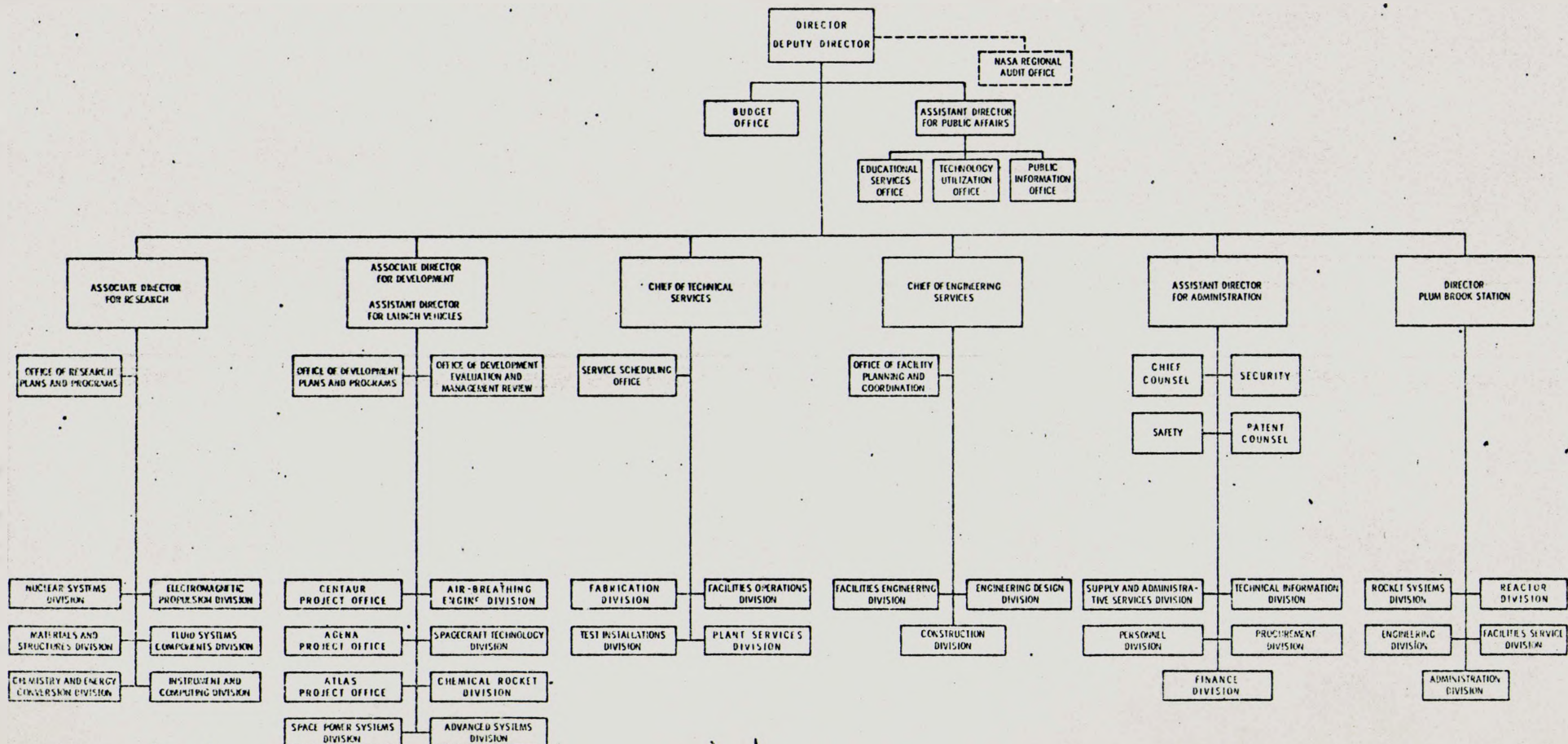
James E. Collier
April 6, 1966

**National Aeronautics and Space Administration
LEWIS RESEARCH CENTER
Cleveland, Ohio**



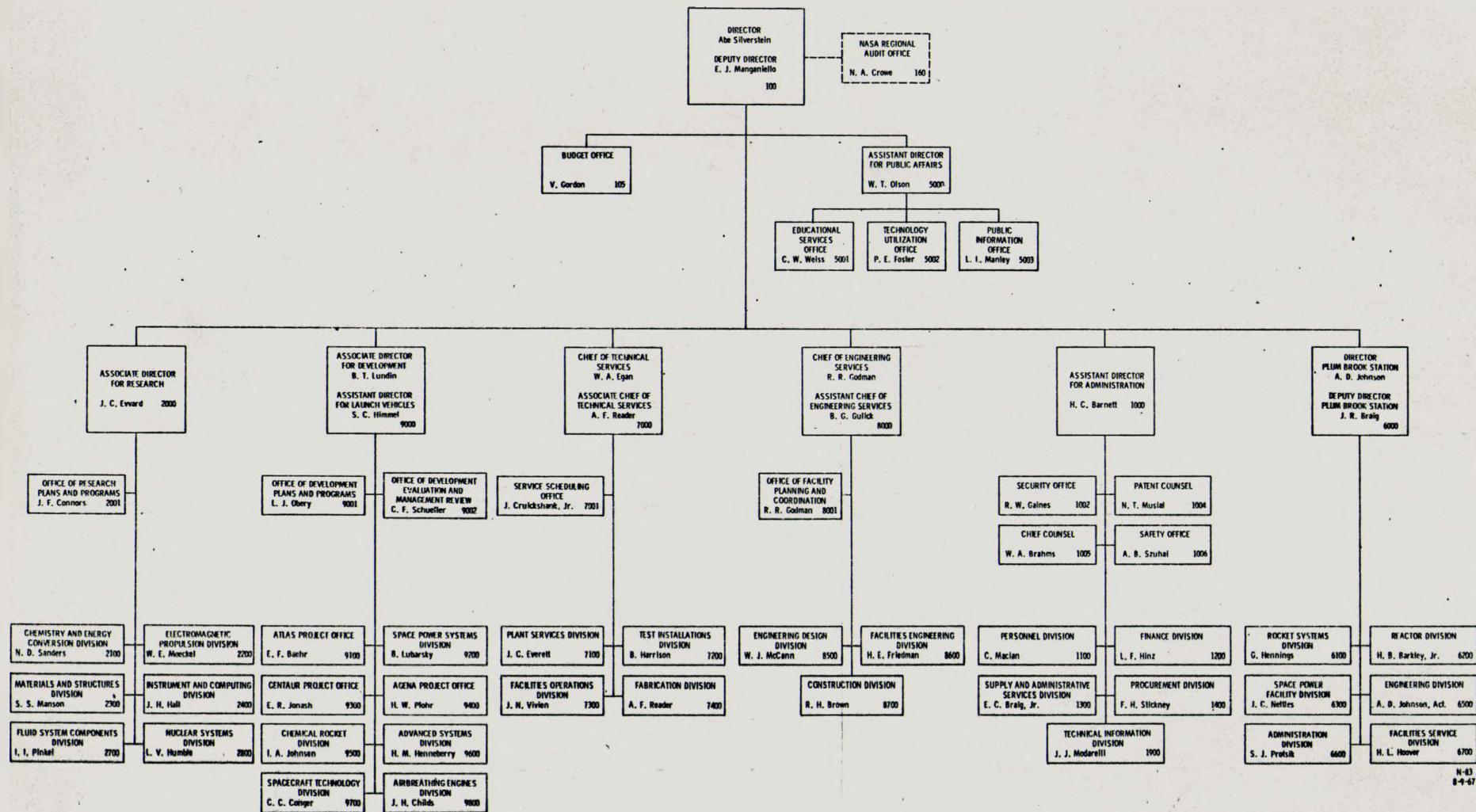
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National Aeronautics and Space Administration
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Cleveland, Ohio

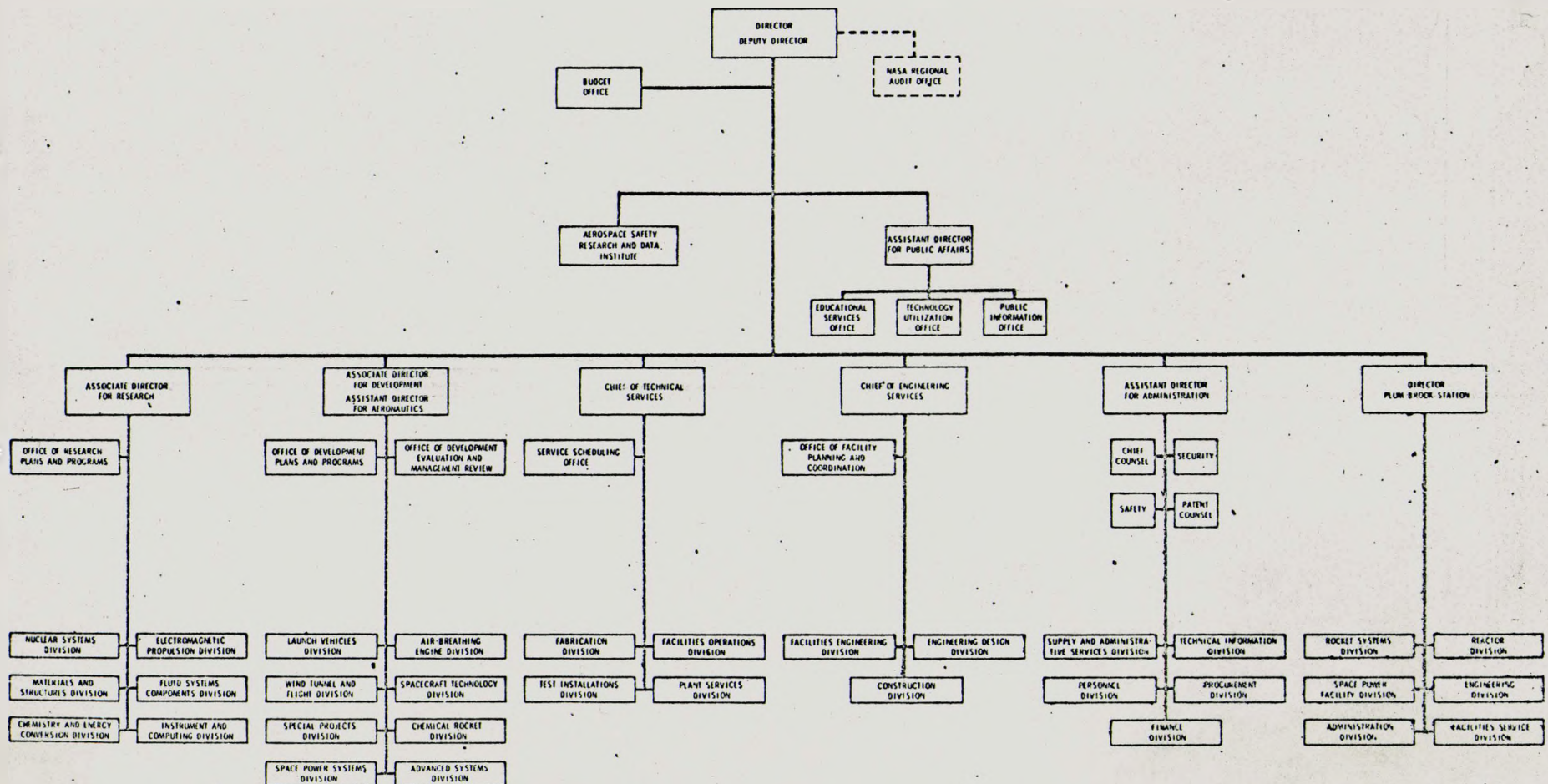


James E. Webb
Feb. 7, 1967

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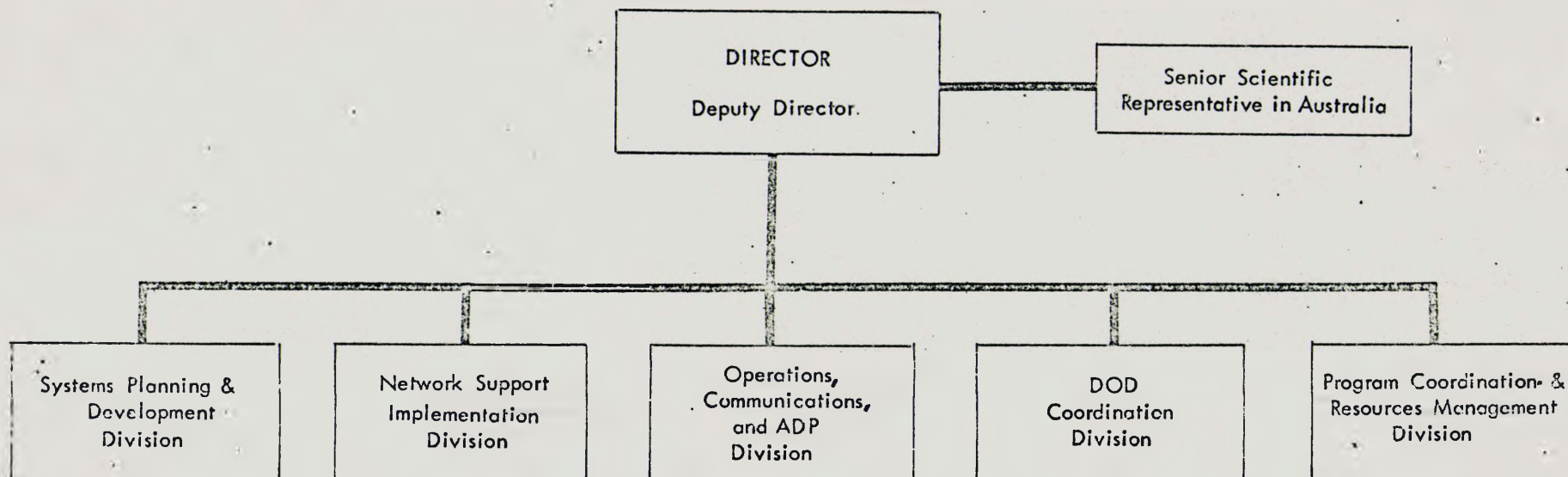


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Approved: *James E. Webb*
 Date: *April 18, 1968*

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Approved: James E. Webb
Administrator
Date: Oct. 7, 1965

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