



MSC-APOLLO-3 Vol. II
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

APOLLO ENGINEERING AND TECHNOLOGY INDEX
VOLUME II — SYSTEMS INDEX

APRIL 1968

(THIS ISSUE SUPPLEMENTS THE JANUARY 1968 ISSUE)



MANNED SPACECRAFT CENTER
HOUSTON, TEXAS



CONTENTS

Section	Page
INTRODUCTION	1
CHART OF APOLLO SYSTEMS	3
INSTRUCTIONS	5
(Nomenclature of Systems, Subsystems, and Major Equipment Groups)	
CSM (APOLLO CRAFT)	6
Structures	8
SLA	9
Heat shield	9
Weights	10
Dynamics	11
LAUNCH VEHICLES	12
Saturn	12
Saturn IV	14
LAUNCH ESCAPE SYSTEM	14
EMERGENCY DETECTION SYSTEM	14
EARTH LANDING SYSTEM	14
ENVIRONMENTAL CONTROL SYSTEM	15
ELECTRICAL POWER SYSTEM	17
Cryogenic Gas Storage	17
Fuel Cell Power Plants	17
Battery Power Supply	17
AC Power Supply	17
REACTION CONTROL SYSTEM	18
CM	18
SM	18

Section	Page
Engines	18
Tanks	19
SERVICE PROPULSION SYSTEM	19
Tanks	20
Engines	20
GUIDANCE AND NAVIGATION SYSTEM	21
Inertial Subsystem	23
IRIGS, IMUS	23
Optical Subsystem Displays	24
Star tracker	24
Computer Subsystem	24
STABILIZATION AND CONTROL SYSTEM	25
Attitude Gyro Assembly	26
Pitch, Yaw, Roll Electronic Control	27
SC CONTROL PROGRAMERS	27
Mission Control Programers	27
CREW SYSTEMS	27
Couches, Restraint Equipment	28
Personal Equipment	28
Constant wear communications assembly	28
Space suits and other garments	28
Space suit umbilical, hose/tether line	29
Space suit bioinstrumentation	29
Personal radiation dosimeter	30
Physiological monitoring instruments	30
Portable life support system	30

Section	Page
Waste Management System	30
Crew Survival Equipment	31
TELECOMMUNICATIONS SYSTEM	31
RF Equipment Group	32
Data Equipment Group	32
Intercommunications Group	33
Antenna Equipment Group	33
INSTRUMENTATION SYSTEM SC, CSM	33
Operational Instrumentation	33
Special Instrumentation	34
Scientific Instrumentation	34
Flight Qualification Instrumentation	34
CONTROLS AND DISPLAYS	34
DOCKING SYSTEM	34
LEM CRAFT	35
Structures, Weights	37
Landing gear	38
Dynamics	39
Ascent Stage	39
Descent Stage	41
LEM GUIDANCE AND NAVIGATION	43
Inertial Subsystem	44
IRIGS, IMUS	44

Section	Page
Optical Subsystem and Displays	45
Computer Subsystem	45
Radars	46
LEM STABILIZATION AND CONTROL SYSTEM	47
Mission Programmer	49
Digital Autopilot	49
LEM PROPULSION SYSTEM	49
Tanks	50
Engines	52
LEM REACTION CONTROL SYSTEM	53
Tanks	54
LEM ENVIRONMENTAL CONTROL SYSTEM	54
Crew Systems	55
LEM ELECTRICAL POWER SYSTEM	57
LEM COMMUNICATIONS AND INSTRUMENTATION	58
LEM/Earth System	59
LEM/CM	59
LEM/Crewmember	60
LEM/Instrumentation	60
Controls and Displays	62
INSTRUMENTATION	63
R and D Instrumentation	63
Scientific Instrumentation	63

Section	Page
CSM/GENERAL GSE	64
Mission Essential	64
CSM/STRUCTURES GSE	64
CSM/ENVIRONMENTAL CONTROL GSE	65
Mission Essential	66
CSM/ELECTRICAL POWER GSE	66
CSM/SERVICE PROPULSION GSE	66
CSM/GUIDANCE AND NAVIGATION GSE	66
Mission Essential	67
CSM/INFLIGHT TEST GSE	67
CSM/CREW GSE	67
CSM/COMMUNICATIONS AND INSTRUMENTATION GSE	67
Mission Essential	67
CSM/LAUNCH GSE	67
LEM/GENERAL GSE	67
Mission Essential	68
LEM/STRUCTURES GSE	68
LEM/DOCKING AND LANDING GSE	68
LEM/ENVIRONMENTAL CONTROL GSE	68
LEM/ELECTRICAL POWER GSE	69
LEM/REACTION CONTROL GSE	69
LEM/SERVICE PROPULSION GSE	69
Mission Essential	69
LEM/GUIDANCE AND NAVIGATION GSE	69
Mission Essential	70

Section	Page
LEM/COMMUNICATIONS AND INSTRUMENTATION GSE	70
Mission Essential	70
LEM/LAUNCH GSE	70
AUTOMATIC CHECKOUT EQUIPMENT	70
Acceptance Checkout Equipment	71
MATERIALS AND COMPONENTS (GENERAL)	72
Materials	72
Modules	72
Packaging	72
Parts	72
Pyrotechnic Devices	74
LAUNCH SUPPORT SYSTEMS	74
APOLLO PAYLOAD (TOTAL)	75
Modifications	78
Applications Programs	79
INDIRECT SUPPORT EQUIPMENT (GROUND)	80
Space Flight, Ground Links, and Support	82
Fluid/Air Supply Equipment	88
REPORT TYPES	89
INDEX	95

INTRODUCTION

The Apollo Engineering and Technology Index (AETI) is a computer print-out listing a majority of the pertinent design and development reports published by the Apollo spacecraft contractors and the National Aeronautics and Space Administration. This index was designed to aid an engineer searching for reports that relate to engineering developments, decisions, design approaches, and problems encountered in the evolution of his project.

The complete AETI consists of three volumes: Volume I, Corporate Author Index, is an alphabetical listing, by corporate source, of engineering reports; Volume II, Systems Index, separates the published engineering reports by systems with a further breakdown into subsystems and major equipment groups; Volume III, Configurations Index, is a listing of documents grouped by configuration. A configuration is an equipment group assembled for a unique mission. Examples are Boiler-plates (BP-1), Missions (AS-201), NAA Air Frames (AF-001), Grumman Configurations (LTA-8), or NAA Spacecraft (SC 008).

The Apollo Systems Chart lists equipment by three categories; (1) Airborne/Spaceborne Equipment, (2) Direct Ground Support Equipment, and (3) Miscellaneous, Support, General, and Related Equipment. These equipment categories are divided into systems, the systems are divided into subsystems, and the subsystems are divided further into major equipment groups. In the Table of Contents, the systems are printed flush with the margin, the subsystems are indented two spaces, and the major equipment groups are indented five spaces.

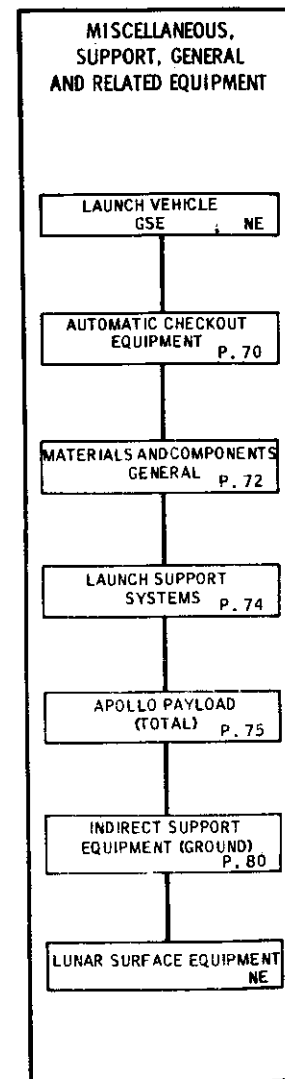
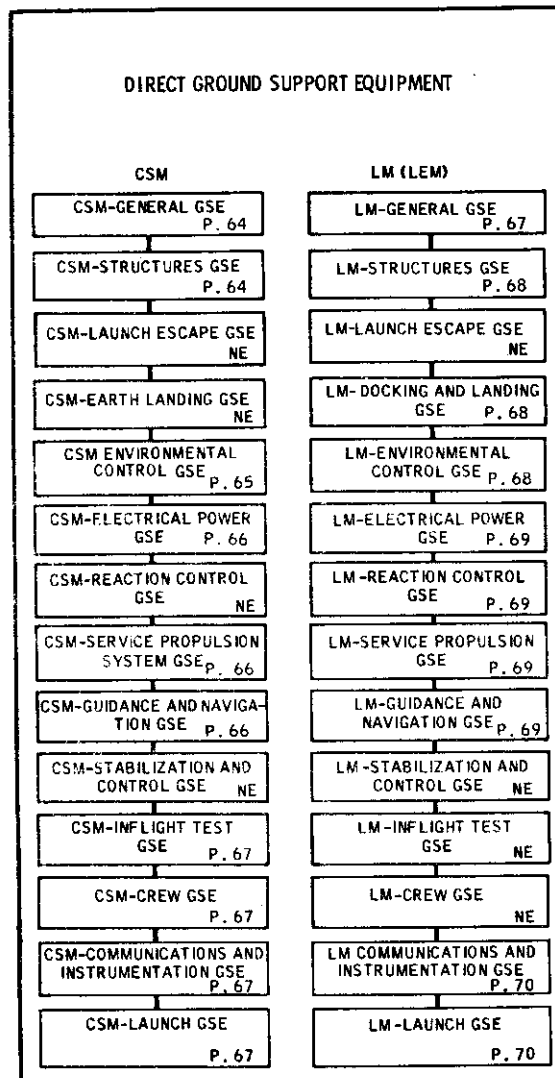
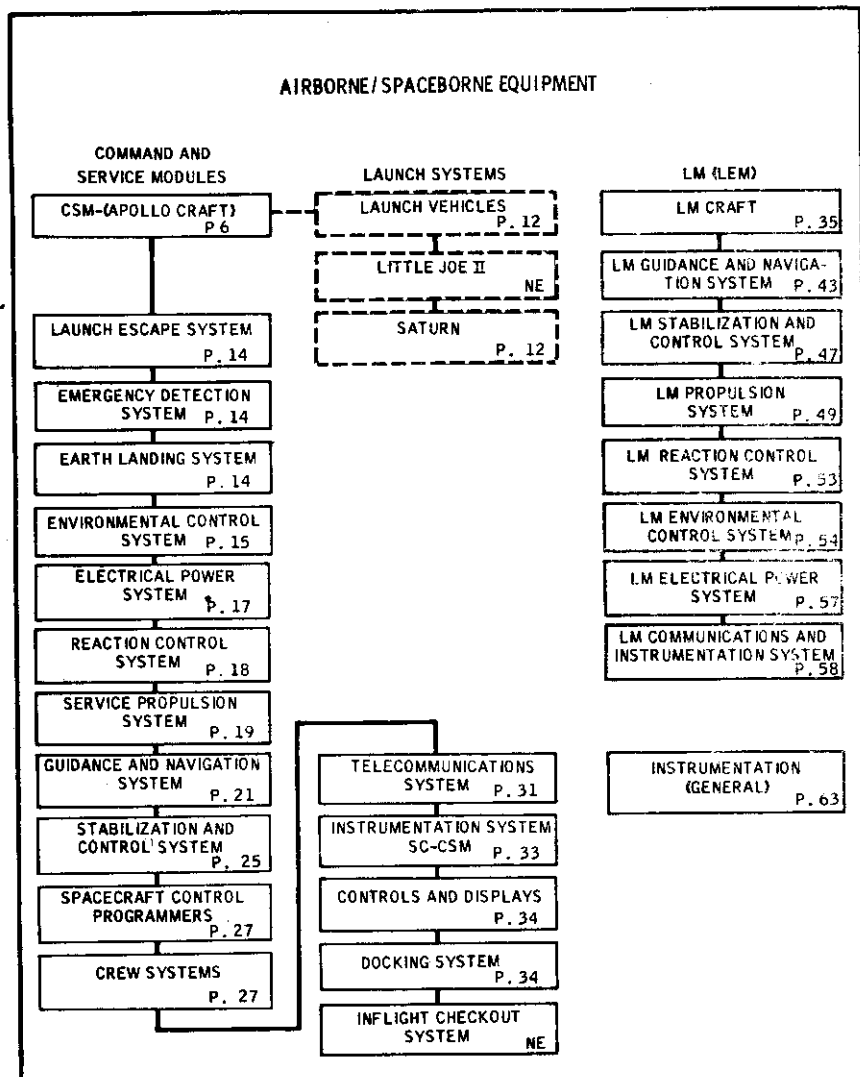
The documents listed in this index can be obtained for reference from the MSC library which is located on the first floor of building 45, Manned Spacecraft Center, Houston, Texas. To locate and obtain a document, either the MSC accession number or the contractor's report number can be used. Since the MSC accession number quickly gives the location of the document, it will be used whenever possible.

Permanent loan copies of any document listed in this index can be obtained on approval of Mr. Herbert L. Tash, Apollo Data Manager, Code PP3, Manned Spacecraft Center, Houston, Texas. All requests for documents will be via a Request for Apollo Documentation (RAD) form or by memo. Additional copies of this index may also be obtained from the Apollo Data Manager. MSC personnel and their local support contractor personnel can obtain additional information by calling extension 2198.

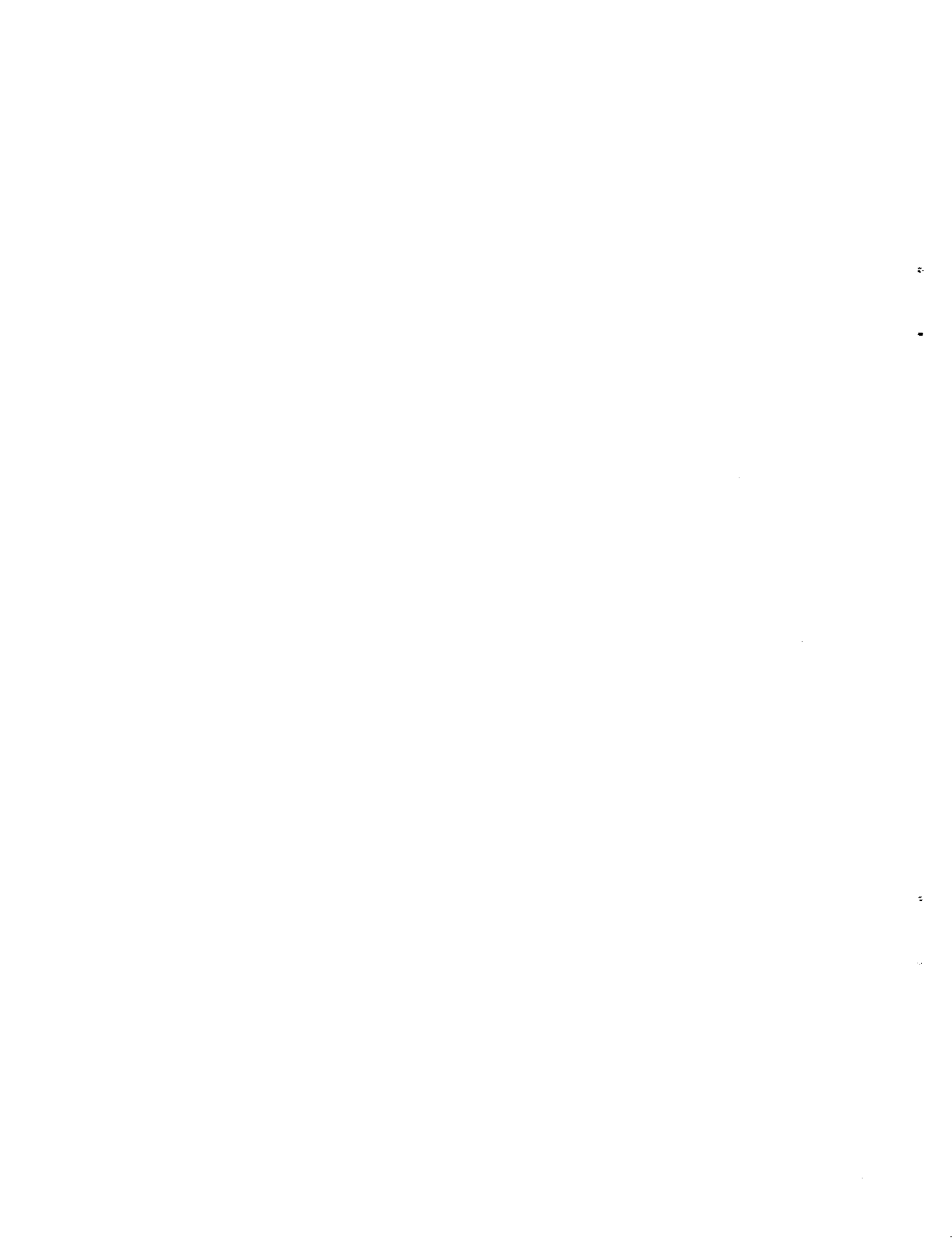
This index, Volume II, is a complete listing of all Apollo documents indexed in the first quarter of 1968. This index is intended to

supplement the cumulative index published in January 1968 (MSC-APOLLO-2 Vol. II). In the future, the index will be compiled quarterly and will contain a cumulative listing of all documents indexed during the current year.

APOLLO SYSTEMS CHART



SEE TABLE OF CONTENTS FOR BREAKDOWN TO MAJOR EQUIPMENT GROUP. PAGE NUMBERS ON THIS CHART ARE FOR THE CURRENT ISSUE ONLY.
 NE - NO ENTRY THIS ISSUE.



INSTRUCTIONS

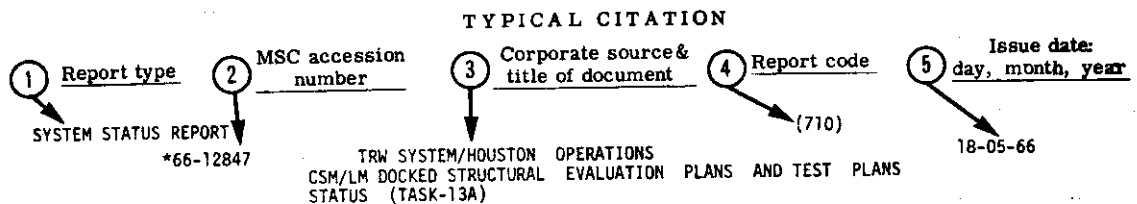
To use the Systems Index, the following procedure is recommended:

A. Using the Apollo Systems Chart, locate the desired system (or systems) and page number. (See Table of Contents for a more complete alphabetical breakdown to Major Equipment Group level.)

B. Note the MSC accession number of the report.

C. Give the MSC accession number to the librarian who will locate the report. (If possible give the entire citation to the librarian to aid her in locating similar reports for you.)

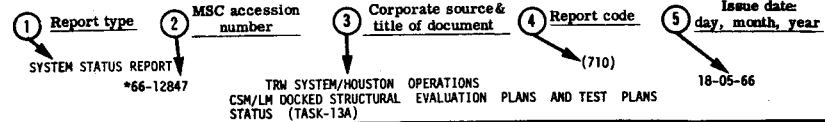
A typical document citation is as follows:



- ① The report type is the generic name of the report as called out in the contract exhibit.
- ② The MSC accession number indicates to the librarian the shelf position of the document. This number should be used to obtain a document from the MSC library.
- ③ The corporate source is the contractor or government agency that published the report.
- ④ The report code is a number that applies to a report type. The report types are assigned series numbers in order of their engineering importance (e.g., the 100 series, Specifications; and the 700 series, Progress Reports and Data). A complete listing of report types is shown on page 89. In the text, the report type groups are separated by dotted lines.
- ⑤ The issue date is the date the report was printed. (Revised reports are assigned new issue dates.)

SYSTEMS INDEX

TYPICAL CITATION

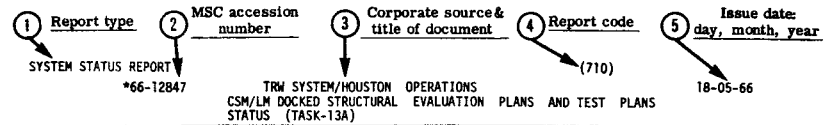


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM (APOLLO CRAFT)			CSM (APOLLO CRAFT) - Continued		
CPE INTERFACE SPECIFICATIONS		101-02	*68-16697	CORNELL AERONAUTICAL LAB., INC. EFFECTS OF MASS INJECTION ON COMPRESSIBLE, THREE-DIMENSIONAL, LAMINAR BOUNDARY LAYERS WITH SMALL SECONDARY FLOW	00-08-66
*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE, TASK ASPO E-58	28-09-67	*68-16984	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 3 JULY-SEPT 1969 TASK MSC/TRW A-134	11-10-67
CPE SPECIFICATIONS GENERAL		102	*68-17040	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN. 67-FM-146, MSC/TRW) (W FILE, W68-10, 013)	07-12-67
*68-17027	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO ENVIRONMENTAL CRITERIA FOR USE IN SUBCONTRACTOR SPECIFICATION	28-11-62	*68-17436	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	00-09-67
*68-17059	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CSM END ITEM SPECIFICATION-PART 2-PRODUCT CONFIGURATION AND ACCEPTANCE REQUIREMENTS, APOLLO CSM 101	20-11-67	*68-17438	NASA/GODDARD SPACE FLIGHT CENTER APOLLO ENTRY RADAR ACQUISITION STUDY	28-05-65
CPE SPACECRAFT SYSTEMS SPECIFICATION		102-01-001	*68-17440	NASA/GODDARD SPACE FLIGHT CENTER NAVIGATION ACCURACY FOR INFRARED EQUIPPED APOLLO AIRCRAFT FOR REENTRY TRACKING	05-01-65
*68-17059	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CSM END ITEM SPECIFICATION-PART 2-PRODUCT CONFIGURATION AND ACCEPTANCE REQUIREMENTS, APOLLO CSM 101	20-11-67	*68-17442	NASA/GODDARD SPACE FLIGHT CENTER APOLLO RE-ENTRY INFRARED SUPPORT	05-12-64
CPE INTERFACE SPECIFICATIONS		102-02	*68-17443	NASA/GODDARD SPACE FLIGHT CENTER ON THE DECREASE OF THE RADAR CROSS SECTION OF THE APOLLO COMMAND MODULE DUE TO REENTRY PLASMA EFFECTS	00-06-67
*68-17059	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CSM END ITEM SPECIFICATION-PART 2-PRODUCT CONFIGURATION AND ACCEPTANCE REQUIREMENTS, APOLLO CSM 101	20-11-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
CALIBRATION/METROLOGY SPECIFICATIONS		102-03-003	*67-13730	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. OPERATIONAL TIMELINE, MISSION 45 501 (S/C 017), PROJECT APOLLO	15-04-66
*68-16339	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CSM MEASUREMENT REQUIREMENTS SPECIFICATION FOR BLOCK 2 S/C APOLLO CSM SYSTEM	02-03-66	*68-16879	NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE, W67-10844)	30-10-67
*68-16340	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CSM MEASUREMENT REQUIREMENTS SPECIFICATION FOR BLOCK 1 SPACECRAFT APOLLO CSM SYSTEM	01-02-66	*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67
MODELING AND SIMULATION		201	*68-16979	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION, (ME 012), FINAL STUDY REPORT	28-09-67
*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	18-08-65	*68-17105	TRW SYSTEMS/HOUSTON OPERATIONS TRANSEARTH INJECTION ABORT PROCESSOR ENTRY RANGE FUNCTIONS, TASK MSC/ TRW A-134	15-12-67
*68-16846	NASA/MSC-HOUSTON, TEXAS ENTRY FLIGHT AERODYNAMICS FROM APOLLO MISSION 45-202 (STAR X-)	00-10-67	*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-17304	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION 5 LANDING SITE DETERMINATION USING ON BOARD OBSERVATIONS (W FILE, W68-10, 097)	01-02-68
*68-16279	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 1, JANUARY-MARCH 1969, TASK MSC TRW A-134	22-08-67	COMPUTER SOFTWARE AND MECHANIZATION	202-02	
*68-16343	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO SPACECRAFT BLOCK 2 ELECTROMAGNETIC COMPATIBILITY EVALUATION REPORT	00-01-67	*68-16220	BOEING CO. / SPACE DIV. ENTRY TRAJECTORY SIMULATION (ETS) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	08-05-67
*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE, TASK ASPO E-58	28-09-67			
*68-16845	LING TEMCO VUGHT INC. RUN TIME OPTIMIZATION (STAR, X-)	29-09-67			
*68-16879	NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE, W67-10844)	30-10-67			

CSM (APOLLO CRAFT) - Continued		CSM (APOLLO CRAFT) - Continued	
*68-16845	LING TENCO VUGHT INC. RUN TIME OPTIMIZATION (STAR, X-)	29-09-67	QUARTERLY RELIABILITY STATUS REPORTS 404
*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67	*68-17239 NASA/WASHINGTON, D. C. AS-201 MISSION RELIABILITY ANALYSIS (ADDENDUM TO APOLLO R + GA PROGRAM QUARTERLY REPORT OF JAN 7,1966) (U) 14-01-66
*68-17080	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN.67-FM-146,MSC/TRW) (W FILE. 468-10,013)	07-12-67	RELIABILITY TEST AND EVALUATION 405
*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65	*68-17257 NASA/MSC-HOUSTON, TEXAS SURVEY OF SATELLITE RELIABILITY ,TEST AND CHECKOUT PROGRAMS (W FILE. W67-10,684) 01-06-67
*68-17304	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON BOARD OBSERVATIONS (W FILE. W69-10,397)	01-02-68	S/C DESCRIPTION MANUALS 501-02
*68-17436	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	00-06-67	*68-16195 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION MODULAR DATA BOOK BLOCK 2 LUNAR MISSION 01-01-67
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203			*68-16196 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION MODULAR DATA BOOK FIRST BLOCK 2 MANNED MISSION 01-12-66
*68-13164	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. BOILERPLATE 15 DESIGN ENGINEERING INSPECTION	00-01-64	HANDBOOKS FLIGHT CREW OPERATIONS 502
*68-17023	RCA/ASTRO-ELECTRONICS Div. APOLLO COMMAND MODULE TELEVISION CAMERA TEST-TEARDOWN (STAR FILE, STAR)	13-12-67	*68-16746 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO OPERATIONS HANDBOOK,COMMAND AND SERVICE MODULES VOL. 2/ OPERATIONAL PROCEDURES 18-08-67
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			PROGRAM PLAN 601
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 009 SECTION 1-VEHICLE TEST PLAN	01-10-65	*68-16249 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN 18-08-65
DRAWINGS,SPECIFICATIONS,AND DOCUMENTATION LISTS 206			TEST PLAN 603
*68-16180	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACCEPTANCE CHECKOUT EQUIPMENT,SPACECRAFT,DOCUMENTATION LIST	01-07-67	*68-16260 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 008 SECTION 1-VEHICLE TEST PLAN 01-10-65
INTERFACE OPERATIONS, PROCEDURES 208-01			*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS,OF CSM,GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS,BLOCK 2 S/C 00-09-65
*67-14526	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO PRE-FLIGHT OPERATIONS,PROCEDURES MANUAL	00-04-67	*68-16452 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR S/C 012 AND 014,SECTION 2,PART 1,GROUND OPERATIONS REQUIREMENTS PLAN 19-06-66
CERTIFICATION TEST NETWORKS AND REQUIREMENTS 316			*68-16892 NASA/MSC-HOUSTON, TEXAS APOLLO TEST PLAN SUMMARY 00-01-66
*68-16251	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. CERTIFICATION TEST NETWORKS FOR SPACECRAFT 012 AND 014,PART 2	01-11-65	RELIABILITY PLAN 608
*68-16336	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. NASA/NAA TEST REQUIREMENTS REPORT	01-04-65	*66-11048 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO RELIABILITY PLAN 01-12-67
RELIABILITY ANALYSIS,DESIGN REVIEW 401			QUALITY PLAN 609
*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66	*68-16626 CONTROL DATA CORP. QUALITY PROGRAM PLAN NASA ACE PROGRAM 22-06-64
FAILURE DATA 402			CONFIGURATION MANAGEMENT PLAN 610
*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66	*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS,OF CSM,GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS,BLOCK 2 S/C 00-09-65
*68-16894	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD MARCH AND APRIL,1966	01-06-66	*68-17318 NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM,CONFIGURATION MANAGEMENT (W FILE. W68- 10,047) 15-12-67
*68-16896	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD JULY AND AUGUST,1966	00-10-66	MONTHLY PROGRESS REPORT 701
			*68-16159 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM,MONTHLY PROGRESS REPORT, PERIOD 1 MARCH 1966-31 MARCH,1966 31-03-66
			*68-17040 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY PROGRESS REPORT-APOLLO SPACECRAFT SYSTEMS ANALYSIS PROJECT,PERIOD FROM 1 NOVEMBER TO 30 NOVEMBER 1967 15-12-65

SYSTEMS INDEX

TYPICAL CITATION

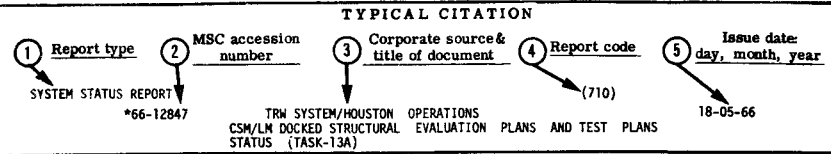


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM (APOLLO CRAFT) - Continued			CSM (APOLLO CRAFT) - Continued	Structures	
QUARTERLY PROGRESS REPORT		701-01	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*67-15638 BELLCOMM, INC. QUARTERLY PROGRESS REPORT FOR JAN. FEB. MARCH 1967		01-05-67	*68-16165 TRW SYSTEMS/HOUSTON OPERATIONS PHYSICAL MEASUREMENT CONCEPTS FOR SPACECRAFT 008 THERMAL VACUUM TEST, TASK ASPO-17-2		21-01-66
*68-16181 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 APRIL 1967 TO 15 JULY 1967		01-08-67	*68-16226 BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT		00-05-67
*68-17451 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 OCTOBER 1967 TO 15 JANUARY 1968		01-02-68	*68-16227 BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT		00-05-67
BIMONTHLY PROGRESS REPORT		701-02	*68-16907 TRW SYSTEMS/HOUSTON OPERATIONS EFFECT LI DESTRUCT ACTION ON SERVICE MODULE/LUNAR MODULE,SPACECRAFT LM ADAPTER MISSION AS-903 (A FILE.W67-10.412) (IN-67-FM-32.MSC/TRW)		03-03-67
*67-15995 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM,BIMONTHLY PROGRESS REPORT,PERIOD/APRIL 1966-30 JUNE 1966		15-06-66	TOTAL CRAFT AND MISSION ANALYSES		202-01
STUDIES-SUMMARY REPORTS		702	*68-16229 BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE,FINAL REPORT,MAY 1967		00-05-67
*68-16979 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION,(ME 012),FINAL STUDY REPORT		28-09-67	*68-16230 BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT,FINAL REPORT MAY 1967		00-05-67
*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)		16-11-64	*68-16231 BOEING CO. / SPACE DIV. PROGRAM SUMMARY,FINAL REPORT MAY 1967		00-05-67
FINAL REPORT		704	*68-16232 BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT,MAY 1967		00-05-67
*68-16220 BOEING CO. / SPACE DIV. ENTRY TRAJECTORY SIMULATION (ETS) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67	*68-16909 TRW SYSTEMS/HOUSTON OPERATIONS THERMO-STRUCTURAL FAILURE LIMITS FOR THE SPACECRAFT COMPONENTS DURING AN UPATED SATURN 1 LAUNCH (W FILE. W67-10604) (IN-67-FM-50,TRW/MSC)		25-04-67
*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)		16-11-64	*68-17325 TRW SYSTEMS/HOUSTON OPERATIONS ABORT LIMIT LINES DUE TO SATURN V AND APOLLO BLOCK 2 STRUCTURAL CONSTRAINTS,TASK MSC/TRW A-96		03-11-67
PROGRAM PROGRESS REPORT		707	COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16619 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION PROGRAM PLAN,NASH-410 MSC/ASPO SUPPORT PROGRAM FOR PERIOD 1 OCT. 1964 THRU 31 DEC. 1965		01-10-64	*68-16209 BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
STUDY PROJECTS APOLLO MODIFICATIONS		901	*68-16215 BOEING CO. / SPACE DIV. WIND SHEAR INFLUENCE COEFFICIENTS (WSIC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)		16-11-64	*68-16216 BOEING CO. / SPACE DIV. MULTIPLE RANDOM DISTURBANCES (MRD) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
CSM (APOLLO CRAFT)	Structures		*68-16217 BOEING CO. / SPACE DIV. STATISTICAL LOADS COMBINATION (SLC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE.X68-10535)		00-05-67
MODELING AND SIMULATION		201	*68-16218 BOEING CO. / SPACE DIV. APOLLO DOCKING ANALYSIS (ADA) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
*68-17093 AC SPARK PLUG/ELECTRONICS DIV. G.M. THE EFFECTS OF HYPERVELOCITY IMPACT ON STRUCTURES REPRESENTATIVE OF THE APOLLO SERVICE MODULE (STAR FILE.)		00-12-67	*68-16219 BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE.X68-10663)		00-05-67
STRUCTURAL DYNAMICS/THERMAL TEST CRAFT		201-01	*68-16222 BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT		00-05-67
*68-16226 BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT		00-05-67			
*68-16227 BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT		00-05-67			

CSM (APOLLO CRAFT) - Continued		CSM (APOLLO CRAFT) - Continued	
*68-16845	LING TEMCO VOUGHT INC, RUN TIME OPTIMIZATION (STAR, X-)	29-09-67	QUARTERLY RELIABILITY STATUS REPORTS 404
*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67	*68-17239 NASA/WASHINGTON, D. C. AS-201 MISSION RELIABILITY ANALYSIS (ADDENDUM TO APOLLO R + GA PROGRAM QUARTERLY REPORT OF JAN 7,1966) (U)
*68-17080	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN.87-FM-146, MSC/TRW) (W FILE, 468-10,013)	07-12-67	RELIABILITY TEST AND EVALUATION 405
*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65	*68-17257 NASA/MSC-HOUSTON, TEXAS SURVEY OF SATELLITE RELIABILITY, TEST AND CHECKOUT PROGRAMS (W FILE, W67-10,684)
*68-17304	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON BOARD OBSERVATIONS (W FILE, W69-10,397)	01-02-68	S/C DESCRIPTION MANUALS 501-02
*68-17436	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	06-06-67	*68-16195 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, MISSION MODULAR DATA BOOK BLOCK 2 LUNAR MISSION
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203			*68-16196 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, MISSION MODULAR DATA BOOK FIRST BLOCK 2 MANNED MISSION
*68-13164	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, BOILERPLATE 15 DESIGN ENGINEERING INSPECTION	00-01-64	HANDBOOKS FLIGHT CREW OPERATIONS 502
*68-17023	RCA/ASTRO-ELECTRONICS DIV, APOLLO COMMAND MODULE TELEVISION CAMERA TEST, TEARDOWN (STAR FILE, STAR)	13-12-67	*68-16746 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, APOLLO OPERATIONS HANDBOOK, COMMAND AND SERVICE MODULES VOL. 2/ OPERATIONAL PROCEDURES
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			PROGRAM PLAN 601
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, VEHICLE PLAN FOR SPACECRAFT 008 SECTION 1-VEHICLE TEST PLAN	01-10-65	*68-16249 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, ENGINEERING SIMULATION PLAN
DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS 206			TEST PLAN 603
*68-16180	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACCEPTANCE CHECKOUT EQUIPMENT, SPACECRAFT, DOCUMENTATION LIST	01-07-67	*68-16260 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, VEHICLE PLAN FOR SPACECRAFT 008 SECTION 1-VEHICLE TEST PLAN
INTERFACE OPERATIONS, PROCEDURES 208-01			*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS, OF CSM, GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS, BLOCK 2 S/C
*67-14526	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, APOLLO PRE-FLIGHT OPERATIONS, PROCEDURES MANUAL	00-04-67	*68-16452 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, VEHICLE PLAN FOR S/C 012 AND 014, SECTION 2, PART 1, GROUND OPERATIONS REQUIREMENTS PLAN
CERTIFICATION TEST NETWORKS AND REQUIREMENTS 316			*68-16892 NASA/MSC-HOUSTON, TEXAS APOLLO TEST PLAN SUMMARY
*68-16251	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, CERTIFICATION TEST NETWORKS FOR SPACECRAFT 012 AND 014, PART 2	01-11-65	RELIABILITY PLAN 608
*68-16336	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, NASA/NAA TEST REQUIREMENTS REPORT	01-04-65	*66-11048 NORTH AMERICAN ROCKWELL CORP./SPACE DIV, APOLLO RELIABILITY PLAN
RELIABILITY ANALYSIS, DESIGN REVIEW 401			QUALITY PLAN 609
*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66	*68-16626 CONTROL DATA CORP. QUALITY PROGRAM PLAN NASA ACE PROGRAM
FAILURE DATA 402			CONFIGURATION MANAGEMENT PLAN 610
*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66	*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS, OF CSM, GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS, BLOCK 2 S/C
*68-16894	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD MARCH AND APRIL, 1966	01-06-66	*68-17318 NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM, CONFIGURATION MANAGEMENT (W FILE, W68- 10,047)
*68-16896	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD JULY AND AUGUST, 1966	00-10-66	MONTHLY PROGRESS REPORT 701
			*68-16159 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM, MONTHLY PROGRESS REPORT, PERIOD 1 MARCH 1966-31 MARCH, 1966
			*68-17040 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY PROGRESS REPORT-APOLLO SPACECRAFT SYSTEMS ANALYSIS PROJECT, PERIOD FROM 1 NOVEMBER TO 30 NOVEMBER 1967

CSM (APOLLO CRAFT) - Continued	Structures	CSM (APOLLO CRAFT)	Structures	SLA	
*68-16225	BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67	STRUCTURAL DYNAMICS/THERMAL TEST CRAFT	201-01	
*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67	*68-16745	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR FULL-FUEL CSM-LM DOCKED VEHICLE, TASK ASPO-398	29-09-67
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*66-12620	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO TECHNICAL MANUALS STRUCTURAL LOADS CRITERIA (U) VOLUME I (SECTIONS 1-19)	01-10-67	*68-16305	TRW SYSTEMS/HOUSTON OPERATIONS CRITIQUE OF GAEC COMMENTS APOLLO 5 MISSION REQUIREMENTS	17-08-67
PRELIMINARY DESIGN AND REQUIREMENTS		204	*68-16745	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR FULL-FUEL CSM-LM DOCKED VEHICLE, TASK ASPO-398	29-09-67
*68-17093	AC SPARK PLUG/ELECTRONICS DIV. G.M. THE EFFECTS OF HYPERVELOCITY IMPACT ON STRUCTURES REPRESENTATIVE OF THE APOLLO SERVICE MODULE (STAR FILE)	00-12-67	*68-16907	TRW SYSTEMS/HOUSTON OPERATIONS EFFECT LI DESTRUCT ACTION ON SERVICE MODULE, LUNAR MODULE, SPACECRAFT LM ADAPTER MISSION AS-503 (W FILE #67-10-412) (IN-67-FM-32, MSC/TRW)	03-03-67
FINAL REPORT		704	*68-17117	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS, SIVB/LM-1 SEPARATION, VOLUME 1-PRATCA CONTROL (W FILE #68-10-329)	03-01-68
*67-14788	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. STUDY OF A RENOVATED CM LAB AND RENOVATED CM VOL. 2-MISSION SYS. PERF. AND CONFIG. ANALYSIS	15-12-66	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-16209	BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16865	TRW SYSTEMS/HOUSTON OPERATIONS EFFECT OF LAUNCH VEHICLE DESTRUCT ACTION ON THE AS-205/208 SPACECRAFT COMPONENTS (W FILE #67-10418)	28-02-67
*68-16215	BOEING CO. / SPACE DIV. WIND SHEAR INFLUENCE COEFFICIENTS (WSIC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16909	TRW SYSTEMS/HOUSTON OPERATIONS THERMO-STRUCTURAL FAILURE LIMITS FOR THE SPACECRAFT COMPONENTS DURING AN UPDATED SATURN 1 LAUNCH (W FILE #67-10604) (IN-67-FM-58, TRW/MSC)	25-04-67
*68-16216	BOEING CO. / SPACE DIV. MULTIPLE RANDOM DISTURBANCES (MRD) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	PRELIMINARY DESIGN AND REQUIREMENTS		204
*68-16217	BOEING CO. / SPACE DIV. STATISTICAL LOADS COMBINATION (SLC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE X68-10535)	00-05-67	*68-16305	TRW SYSTEMS/HOUSTON OPERATIONS CRITIQUE OF GAEC COMMENTS APOLLO 5 MISSION REQUIREMENTS	17-08-67
*68-16219	BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE X68-10663)	00-05-67	*68-17062	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 5 MISSION REQUIREMENTS, 204/LM-1, B TYPE MISSION, LM DEVELOPMENT-REVISION 5	04-12-67
*68-16222	BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT	00-05-67	MISSION BILEVEL / NUMERICAL DATA		214
*68-16225	BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67	*68-17062	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 5 MISSION REQUIREMENTS, 204/LM-1, B TYPE MISSION, LM DEVELOPMENT-REVISION 5	04-12-67
*68-16226	BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67	CSM (APOLLO CRAFT)		Structures
*68-16227	BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67	STRUCTURAL DYNAMICS/THERMAL TEST CRAFT		201-01
*68-16229	BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE, FINAL REPORT, MAY 1967	00-05-67	*68-16859	TRW SYSTEMS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATING DEGRADATION OF THE APOLLO SPACECRAFT (TASK ASPO-333)	31-10-67
*68-16230	BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT, FINAL REPORT MAY 1967	00-05-67	*68-16962	AVCO/SPACE SYSTEMS, INC. EVALUATION OF THE THERMOPHYSICAL PROPERTIES OF THE APOLLO HEAT SHIELD-VOL. 2 FINAL REPORT	08-08-67
*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67	*68-17414	TRW SYSTEMS/HOUSTON OPERATIONS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATINGS DEGRADATION OF THE APOLLO SPACECRAFT (MSC/TRW TASK ASPO 333)	31-10-67
*68-16232	BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT, MAY 1967	00-05-67	TECHNICAL DATA, REPORTS, AND ANALYSES		202
			*68-16962	AVCO/SPACE SYSTEMS, INC. EVALUATION OF THE THERMOPHYSICAL PROPERTIES OF THE APOLLO HEAT SHIELD-VOL. 2 FINAL REPORT	08-08-67
			TOTAL CRAFT AND MISSION ANALYSES		202-01
			*68-16848	TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 CM/SN SEPARATION AND RECONTACT ANALYSIS-ENTRY PHASE W FILE #67-10744) (IV 67-FM-99, MSC/TRW)	30-08-67

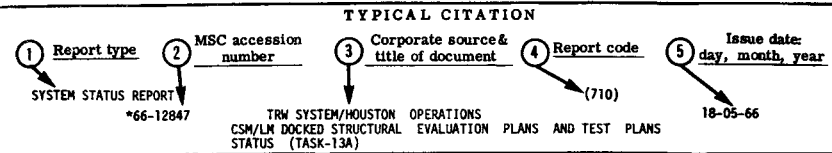
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM (APOLLO CRAFT) - Continued	Structures	heat shield	CSM (APOLLO CRAFT) - Continued	Structures	heat shield
*68-16849	TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 SEPARATION AND RECONTACT ANALYSIS (W FILE, W67-10A00) (IN.-67-FM-151.MSC/TRW)	28-09-67	MONTHLY PROGRESS REPORT	701	
*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68	*68-16290	AVCO/ELECTRONICS DIV. BLOCK 2, APOLLO HEAT SHIELD, MONTHLY PROGRESS REPORT	01-08-67
COMPUTER SOFTWARE AND MECHANIZATION	202-02		*68-16314	AVCO/ELECTRONICS DIV. BLOCK 2 APOLLO HEAT SHIELD MONTHLY PROGRESS REPORT, 1 JULY 1967	01-07-67
*68-16848	TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 CSM/SM SEPARATION AND RECONTACT ANALYSIS-ENTRY PHASE W FILE, W67-10744) (IN 67-FM-99.MSC/TRW)	30-08-67	*68-16315	AVCO/ELECTRONICS DIV. BLOCK 2 APOLLO HEAT SHIELD MONTHLY PROGRESS REPORT, 1 JUNE 1967	01-06-67
*68-16946	BOEING CO. / SPACE DIV. CHARRING ABLATION PERFORMANCE IN TURBULENT FLOW (VOL 2-COMPUTER PROGRAM) STAR-FILE)	00-11-67	QUARTERLY PROGRESS REPORT	701-01	
*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT, VOL. 1	16-11-67	*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT, VOL. 1	16-11-67
*68-17370	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO CSM ECS/THERMAL INTEGRATED ANALYSIS PROGRAM, PROGRAM NO. HX101A USERS MANUAL, TASK MSC/TRW A-145, (STAR FILE)	30-01-68	STUDIES-SUMMARY REPORTS	702	
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		*68-17414	TRW SYSTEMS/HOUSTON OPERATIONS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATINGS DEGRADATION OF THE APOLLO SPACECRAFT (MSC/TRW TASK ASPD 338)	31-10-67
*68-16192	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. STATEMENT OF WORK APOLLO COMMAND MODULE HEAT SHIELD ABLATIVE PANELS	26-11-62	FINAL REPORT	704	
PRELIMINARY DESIGN AND REQUIREMENTS	204		*68-16961	AVCO/SPACE SYSTEMS, INC. EVALUATION OF THE THERMOPHYSICAL PROPERTIES OF THE APOLLO HEAT SHIELD VOL. 1	08-08-67
*68-16640	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO MEASUREMENT REQUIREMENTS SP 6 (U)	26-04-63	*68-16962	AVCO/SPACE SYSTEMS, INC. EVALUATION OF THE THERMOPHYSICAL PROPERTIES OF THE APOLLO HEAT SHIELD-VOL. 2 FINAL REPORT	08-08-67
*68-16641	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA, TRAJECTORIES, AND HEATING RATES FOR THE APOLLO CM HEAT SHIELD-VOL 1 (U)	07-06-63	CSM (APOLLO CRAFT)	Weights	
*68-16642	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA, TRAJECTORIES, AND HEATING RATES FOR THE APOLLO COMMAND MODULE HEAT SHIELD-VOL 2 (U)	07-06-63	STRUCTURAL DYNAMICS/THERMAL TEST CRAFT	201-01	
*68-16643	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA, TRAJECTORIES, AND HEATING RATES FOR THE APOLLO COMMAND MODULE HEAT SHIELD-VOL 3 (U)	07-06-63	*68-16226	BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
*68-16644	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA, TRAJECTORIES, AND HEATING RATES FOR THE APOLLO CM HEAT SHIELD-VOL 4 (U)	07-06-63	*68-16227	BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS	206		TECHNICAL DATA, REPORTS, AND ANALYSES	202	
*68-16474	AVCO/SPACE SYSTEMS, INC. APOLLO HEAT SHIELD DRAWING AND SPECIFICATION LIST, BLOCK 2	01-07-67	*68-16226	BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
INTERFACE CONTROL (SYSTEMS)	207		*68-16227	BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
*68-16192	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. STATEMENT OF WORK APOLLO COMMAND MODULE HEAT SHIELD ABLATIVE PANELS	26-11-62	*68-16986	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR HALF-FULL CSM/LM DOCKED VEHICLE	20-11-67
*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68	TOTAL CRAFT AND MISSION ANALYSES	202-01	
RELIABILITY ANALYSIS, DESIGN REVIEW	401		*68-16153	TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPD-15 (SUBTASK 1)	29-10-65
*68-17071	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION-ANOMALY REPORT NO. 2 (W FILE, W67-10893)	08-12-67			

CSM (APOLLO CRAFT) - Continued		Weights	CSM (APOLLO CRAFT) - Continued		Weights
*68-16211	BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16227	BOEING CO. / SPACE DIV. BLOCK 1 APOLLO COMMAND/SERVICE MODULE VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
*68-16212	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS--FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	WEIGHT AND BALANCE STATUS REPORT 711		
*68-16213	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS GROUND WIND AND LAUNCH RELEASE (GRALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16154	TRW SYSTEMS/HOUSTON OPERATIONS CONTROL PLAN FOR MASS PROPERTIES (REVISION A), TASK ASPO-15 (SUBTASK 1	15-12-65
*68-16214	BOEING CO. / SPACE DIV. LOCAL LOADS ANALYSIS (LOLO) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-17144	TRW SYSTEMS/HOUSTON OPERATIONS MASS PROPERTIES PROGRAM (MASPRO) HX2014(TASK MSC/TRW A-146)	01-12-67
*68-16854	BELLCOMM, INC. IMPLICATIONS OF LUNAR ORBITAL ALTITUDES FOR LM SEPARATION	01-08-67	CSM (APOLLO CRAFT) Dynamics		
*68-16862	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY REFERENCE MISSION PROFILE FOR APOLLO APPLICATIONS MISSION AAP-5 (W FILE W67-10,735)	10-08-67	MODELING AND SIMULATION 201		
*68-16964	NASA/MSC-HOUSTON, TEXAS LAUNCH ABORT TRAJECTORY DATA FOR DETERMINING THE ABORT LOAD LIMIT FOR THE AS-205/101 MISSION (W FILE W67-10875)	17-11-67	*68-16846	NASA/MSC-HOUSTON, TEXAS ENTRY FLIGHT AERODYNAMICS FROM APOLLO MISSION AS-202 (STAR X-)	00-10-67
*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67	STRUCTURAL DYNAMICS/THERMAL TEST CRAFT 201-01		
..... COMPUTER SOFTWARE AND MECHANIZATION 202-02			*68-16745	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR FULL-FUEL CSM-LM DOCKED VEHICLE, TASK ASPO-39B	29-09-67
*68-16209	BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	TECHNICAL DATA, REPORTS, AND ANALYSES 202		
*68-16211	BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16745	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR FULL-FUEL CSM-LM DOCKED VEHICLE, TASK ASPO-39B	29-09-67
*68-16212	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS--FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16878	NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPO DURING LOI TARGET UPDATE (W FILE W67-10905)	01-11-67
*68-16213	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS GROUND WIND AND LAUNCH RELEASE (GRALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	TOTAL CRAFT AND MISSION ANALYSES 202-01		
*68-16214	BOEING CO. / SPACE DIV. LOCAL LOADS ANALYSIS (LOLO) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16211	BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
*68-17144	TRW SYSTEMS/HOUSTON OPERATIONS MASS PROPERTIES PROGRAM (MASPRO) HX2014(TASK MSC/TRW A-146)	01-12-67	*68-16212	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS--FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67	*68-16213	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS GROUND WIND AND LAUNCH RELEASE (GRALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
..... DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203			*68-16214	BOEING CO. / SPACE DIV. LOCAL LOADS ANALYSIS (LOLO) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
*68-16649	MIT INSTRUMENTATION LAB BLOCK 2 AND LEM GUIDANCE AND NAVIGATION SYS WEIGHTS AND POWER REQUIREMENTS REPORTED STATUS-NOV 1965 (U)	00-11-65	*68-16229	BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE, FINAL REPORT, MAY 1967	00-05-67
..... DOCUMENTATION PLAN 610-01			*68-16230	BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT, FINAL REPORT MAY 1967	00-05-67
*68-16153	TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1) FINAL REPORT	29-10-65	*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67
..... 704			*68-16232	BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT, MAY 1967	00-05-67
*68-16209	BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16848	TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 CM/SM SEPARATION AND RECONTACT ANALYSIS-ENTRY PHASE W FILE W67-10744) (IN 67-FM-99, MSC/TRW)	30-08-67
*68-16226	BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67	*68-16878	NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPO DURING LOI TARGET UPDATE (W FILE W67-10905)	01-11-67

SYSTEMS INDEX

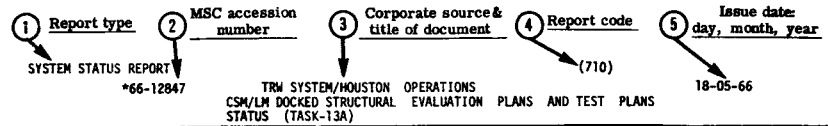


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM (APOLLO CRAFT) - Continued	Dynamics		LAUNCH VEHICLES		
COMPUTER SOFTWARE AND MECHANIZATION		202-02	66E PLANNING AND REQUIREMENTS LIST		209
*68-16210 BOEING CO. / SPACE DIV. MODAL ANALYSIS FOR THE RESPONSE OF COUPLED SYSTEMS (MARCS) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		06-05-67	*68-16194 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FIRST ARTICLE CONFIG. INSPECTION CUSTOMER ACCEPTANCE READINESS REVIEW CONFIG. INSPECTION REVIEW L/C 39 S/C 017/LTA-10R		18-05-67
*68-16211 BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67	PROGRAM PLAN		605
*68-16212 BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS-FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67	*68-17204 NASA/WASHINGTON, D. C. LAUNCH VEHICLE AND PROPULSION PROGRAMS-PROGRAM REVIEW DOCUMENT (U FILE:U68-10,124)		21-09-67
*68-16213 BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS GROUND WIND AND LAUNCH RELEASE (GRALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67	LAUNCH VEHICLES	Saturn	
*68-16214 BOEING CO. / SPACE DIV. LOCAL LOADS ANALYSIS (LOLO) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-16219 BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE:X68-10663)		00-05-67	*68-16843 NASA/MSC-HOUSTON, TEXAS COMPARISON OF NAVIGATION SYSTEMS IN EARTH ORBIT (W FILE: W67-10830)		23-10-67
*68-16223 BOEING CO. / SPACE DIV. LATERAL DYNAMICS-LAUNCH VEHICLE FINAL REPORT		00-05-67	*68-17001 BOEING CO. / SPACE DIV. APOLLO UNIFIED S-BAND RADIO FLAME EFFECTS STUDY,FINAL REPORT		10-01-67
*68-16231 BOEING CO. / SPACE DIV. PROGRAM SUMMARY,FINAL REPORT MAY 1967		00-05-67	*68-17080 TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN:67-FM-146,MSC/TRW) (W FILE: W68-10,013)		07-12-67
*68-16848 TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 CSM SEPARATION AND RECONTACT ANALYSIS-ENTRY PHASE W FILE:W67-10744) (IN 67-FM-99,MSC/TRW)		30-08-67	*68-17158 TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 2-TASK MSC/TRW A- 96		27-11-67
FINAL REPORT		704	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-16219 BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE:X68-10663)		00-05-67	*67-13730 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. OPERATIONAL TIMELINE, MISSION AS 501 (S/C 017),PROJECT APOLLO		15-04-66
*68-16223 BOEING CO. / SPACE DIV. LATERAL DYNAMICS-LAUNCH VEHICLE FINAL REPORT		00-05-67	*68-16211 BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
*68-16229 BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE,FINAL REPORT,MAY 1967		00-05-67	*68-16229 BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE,FINAL REPORT,MAY 1967		00-05-67
*68-16230 BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT,FINAL REPORT MAY 1967		00-05-67	*68-16230 BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT,FINAL REPORT MAY 1967		00-05-67
*68-16231 BOEING CO. / SPACE DIV. PROGRAM SUMMARY,FINAL REPORT MAY 1967		00-05-67	*68-16231 BOEING CO. / SPACE DIV. PROGRAM SUMMARY,FINAL REPORT MAY 1967		00-05-67
*68-16232 BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT,MAY 1967		00-05-67	*68-16232 BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT,MAY 1967		00-05-67
*68-16651 BOEING CO. / SPACE DIV. INPUT DATA-CLASSIFIED DATA,FINAL REPORT (U)		00-05-67	*68-16864 TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR 204/LM-1 (FORMERLY AS-206) (W FILE,W67-10,600)		15-05-67
			*68-16938 NASA/MSC-HOUSTON, TEXAS AN ANALYSIS OF THE LAND IMPACT PROBLEM DURING MODE 1 ABORTS FROM THE SATURN IB LAUNCH VEHICLE (W FILE: #67-10831)		00-00-00
			*68-17147 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2		11-12-65

LAUNCH VEHICLES - Continued		Saturn	LAUNCH VEHICLES - Continued		Saturn
*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67	FAILURE DATA	402	
*68-17325	TRW SYSTEMS/HOUSTON OPERATIONS ABORT LIMIT LINES DUE TO SATURN V AND APOLLO BLOCK 2 STRUCTURAL CONSTRAINTS, TASK MSC/TRW A-96	03-11-67	*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66
*68-17326	TRW SYSTEMS/HOUSTON OPERATIONS EVALUATION OF EDS ABORT SIGNALS FOR AS-503, TASK MSC/TRW A-96	06-11-67	*68-16894	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD MARCH AND APRIL, 1966	01-06-66
..... COMPUTER SOFTWARE AND MECHANIZATION 203-02			*68-16896	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD JULY AND AUGUST, 1966	00-10-66
*68-16211	BOEING CO. / SPACE DIV. STATISTICAL LOADS ANALYSIS PROGRAM (SLAP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	..... TEST PLAN 603		
*68-16215	BOEING CO. / SPACE DIV. WIND SHEAR INFLUENCE COEFFICIENTS (WSIC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16892	NASA/MSC-HOUSTON, TEXAS APOLLO TEST PLAN SUMMARY	00-01-66
*68-16216	BOEING CO. / SPACE DIV. MULTIPLE RANDOM DISTURBANCES (MRD) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	..... SUPPORT PLAN 606		
*68-16217	BOEING CO. / SPACE DIV. STATISTICAL LOADS COMBINATION (SLC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE.X68-10535)	00-05-67	*68-16769	NASA/KENNEDY SPACE CENTER APOLLO-SATURN 1B LAUNCH	12-12-66
*68-16222	BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT	00-05-67	*68-16770	NASA/KENNEDY SPACE CENTER APOLLO S-V SPACE VEHICLE COUNTDOWN DEMONSTRATION TEST, SUPPORT DIRECTIVE 4000(LATEST REVISION RECEIVED)	15-09-67
*68-16223	BOEING CO. / SPACE DIV. LATERAL DYNAMICS-LAUNCH VEHICLE FINAL REPORT	00-05-67	*68-16771	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V FLIGHT READINESS TEST, SUPPORT DIRECTIVE 40002 (LATEST REVISION RECEIVED)	22-09-67
*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67	*68-16772	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V INTERFACE TESTS, SUPPORT DIRECTIVE 48001 AND UP (LATEST REVISION RECEIVED)	07-09-67
*68-16857	BOEING CO. / SPACE DIV. SATURN V LAUNCH VEHICLE GUIDANCE AND NAVIGATION EQUATIONS, SA-502	15-11-66	*68-16773	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V APOLLO SOFTWARE INTEGRATION TEST, SUPPORT DIRECTIVE 48009 (LATEST REVISION RECEIVED)	07-07-67
*68-17080	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN.67-FM-146, MSC/TRW) (W FILE. X68-10,013)	07-12-67	..... QUARTERLY PROGRESS REPORT 701-01		
*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65	*67-15638	BELLCOMM, INC. QUARTERLY PROGRESS REPORT FOR JAN. FEB. MARCH 1967	01-05-67
*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67	..... FINAL REPORT 704		
*68-17158	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 2-TASK MSC/TRW A-96	27-11-67	*68-16215	BOEING CO. / SPACE DIV. WIND SHEAR INFLUENCE COEFFICIENTS (WSIC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
..... PRELIMINARY DESIGN AND REQUIREMENTS 204			*68-16216	BOEING CO. / SPACE DIV. MULTIPLE RANDOM DISTURBANCES (MRD) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
*68-16853	BELLCOMM, INC. PROBABILITY OF EXCEEDING DESIGN WIND FOR SATURN V FREESTANDING ON THE PAD	28-06-66	*68-16217	BOEING CO. / SPACE DIV. STATISTICAL LOADS COMBINATION (SLC) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE.X68-10535)	00-05-67
..... DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS 206			*68-16222	BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT	00-05-67
*68-16180	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACCEPTANCE CHECKOUT EQUIPMENT, SPACECRAFT, DOCUMENTATION LIST	01-07-67	*68-16223	BOEING CO. / SPACE DIV. LATERAL DYNAMICS-LAUNCH VEHICLE FINAL REPORT	00-05-67
*68-16995	NASA/GEORGE C. MARSHALL SPACE FLIGHT CENTER SATURN V COMPOSITE MECHANICAL SCHEMATIC	01-08-67	*68-16229	BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE, FINAL REPORT, MAY 1967	00-05-67
..... RELIABILITY ANALYSIS, DESIGN REVIEW 401			*68-16230	BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT, FINAL REPORT MAY 1967	00-05-67
*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66	*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67
			*68-16232	BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT, MAY 1967	00-05-67

SYSTEMS INDEX

TYPICAL CITATION

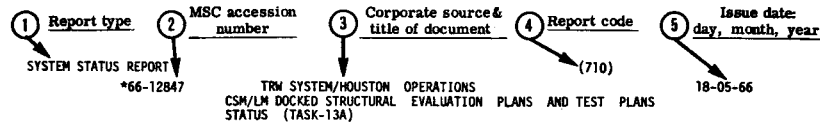


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LAUNCH VEHICLES - Continued	Saturn		LAUNCH ESCAPE SYSTEM		
*68-16651	BOEING CO. / SPACE DIV. INPUT DATA-CLASSIFIED DATA, FINAL REPORT (U)	00-05-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
*68-17001	BOEING CO. / SPACE DIV. APOLLO UNIFIED S-BAND RADIO FLAME EFFECTS STUDY, FINAL REPORT	10-01-67	*68-16905	TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-501, VOL. 2, ALTERNATE MISSION PLAN (W FILE, *67-10261) (IN-66-FM-149, TRW/MSC)	26-01-67
LAUNCH VEHICLES	Saturn	Saturn IV	*68-16906	TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-511, VOL. 1, ABORT PLAN (W FILE, *67-17124) (IN-66-FM-149, TRW/MSC)	22-12-66
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-16938	NASA/MSC-HOUSTON, TEXAS AN ANALYSIS OF THE LAND IMPACT PROBLEM DURING MODE 1 ABORTS FROM THE SATURN IB LAUNCH VEHICLE (W FILE, *67-10831)	00-00-00
*68-16651	TRW SYSTEMS/HOUSTON OPERATIONS FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE W67-10736) (MSC-IN-67-FM-86, MSC/TRW)	15-08-67	DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203	
*68-17117	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS, SIVB/LM-1 SEPARATION, VOLUME 1-PR1/ATCA CONTROL (W FILE, W68-10,029)	03-01-68	*66-13164	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. BOILERPLATE 15 DESIGN ENGINEERING INSPECTION	00-01-64
*68-17133	NASA/MSC-HOUSTON, TEXAS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS-SUMMARY DOCUMENT (W FILE, W68-10028)	08-01-68	EMERGENCY DETECTION SYSTEM		
*68-17354	TRW SYSTEMS APOLLO GUIDANCE AND NAV DIAGNOSTIC LOGIC STUDY, TASK MSC/TRW A-41	27-09-65	TOTAL CRAFT AND MISSION ANALYSES	202-01	
*68-17432	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38	05-02-68	*68-17326	TRW SYSTEMS/HOUSTON OPERATIONS EVALUATION OF EDS ABORT SIGNALS FOR AS-503, TASK MSC/TRW A-96	06-11-67
*68-17446	NASA/GODDARD SPACE FLIGHT CENTER TRACKING OF A LUNAR TRANSFER ORBIT	00-11-64	EARTH LANDING SYSTEM		
TOTAL CRAFT AND MISSION ANALYSES		202-01	CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	102-03-001	
*67-13798	TRW SYSTEMS/HOUSTON OPERATIONS EVALUATION OF CURRENT APOLLO SPACECRAFT RANGE SAFETY AND ORBITAL DEBRIS HAZARD ANALYSES FOR SUPPORT OF AAP MISSIONS (TASK AA-9)	06-02-67	*68-16292	NORTHROP CORP./VENTURA DIV CEIDS, PERF/DSON AND PRODUCT CONFIG REQS, EWD HS SEP AUGMENTATION, MORTAR ASSY FOR APOLLO BLK 2 EARTH LANDING SYSTEM	29-07-67
*68-16851	TRW SYSTEMS/HOUSTON OPERATIONS FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE W67-10736) (MSC-IN-67-FM-86, MSC/TRW)	15-08-67	MODELING AND SIMULATION	201	
*68-16865	TRW SYSTEMS/HOUSTON OPERATIONS EFFECT OF LAUNCH VEHICLE DESTRUCT ACTION ON THE AS-205/208 SPACECRAFT COMPONENTS (W FILE, W67-10416)	28-02-67	*68-17155	NASA/MSC-HOUSTON, TEXAS AERODYNAMIC STABILITY CHARACTERISTICS OF THE APOLLO LAUNCH ESCAPE VEHICLE (LEV) WITH CANARD SURFACES DEPLOYED	00-12-67
*68-16912	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 1 (W FILE, W67-10411) (IN-67-FM-3, VOL. 1, TRW/MSC)	10-02-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
*68-17151	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C APOLLO 5 204/LM-1 LM MAIN PROPULSION SUBSYSTEM FLIGHT EVALUATION PLAN	29-12-67	*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68
COMPUTER SOFTWARE AND MECHANIZATION		202-02	INTERFACE CONTROL (SYSTEMS)	207	
*68-17432	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38	05-02-68	*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68
			ACCEPTANCE TEST DATA SHEETS	303	
			*68-16839	NASA/MSC-HOUSTON, TEXAS APOLLO COMMAND MODULE PILOT AND DROGUE PARACHUTE PYROTECHNIC MORTAR TEST (W FILE, W67-10833)	08-09-67
			RELIABILITY ANALYSIS, DESIGN REVIEW	401	
			*68-17070	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION-ANOMALY REPORT NO. 1 (W FILE, W67-10894)	08-12-67

EARTH LANDING SYSTEM - Continued	ENVIRONMENTAL CONTROL SYSTEM - Continued
<p>*68-17250 NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION, ANOMALY REPORT NO. 3 (W FILE, W68-10,082) 00-12-67</p> <p>RELIABILITY TEST AND EVALUATION 405</p> <p>*68-17250 NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION, ANOMALY REPORT NO. 3 (W FILE, W68-10,082) 00-12-67</p>	<p>*68-16420 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUAL. TEST REPORT CYCLIC ACCUMULATOR SIGNAL CONDITIONER, PART NO. 820930-2-1 22-07-66</p> <p>*68-16422 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT TEMPERATURE SENSOR, PART NO. 836950-1-1 20-08-66</p> <p>*68-16423 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, SUIT HEAT EXCHANGER, PART NO 813410-2-1, 3-1 03-03-67</p>
<p>ENVIRONMENTAL CONTROL SYSTEM</p>	
<p>PARTS SPECIFICATIONS 104-02</p> <p>*68-16421 GARRETT CORP./AIRESEARCH MFG. DIV. COMPONENT SPECIFICATION ABSOLUTE PRESSURE TRANSDUCER, PART NO. 837008- 2 03-08-64</p> <p>MODELING AND SIMULATION 201</p> <p>*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17 01-02-68</p> <p>STRUCTURAL DYNAMICS/THERMAL TEST CRAFT 201-01</p> <p>*68-16859 TRW SYSTEMS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATING DEGRADATION OF THE APOLLO SPACECRAFT (TASK ASPO-333) 31-10-67</p> <p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16845 LING TEMCO VOUGHT INC. RUN TIME OPTIMIZATION (STAR, X-) 29-09-67</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16863 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-501/107 CONSUMABLES ANALYSIS (W FILE, W67-10764) 01-09-67</p> <p>*68-17242 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FINAL REPORT, PRELIM DEFINITION PHASE APOLLO EXTENSION SYS SUBSYSTEM SUMMARY 17-01-66</p> <p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-16845 LING TEMCO VOUGHT INC. RUN TIME OPTIMIZATION (STAR, X-) 29-09-67</p> <p>*68-17370 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO CSM ECS/THERMAL INTEGRATED ANALYSIS PROGRAM, PROGRAM NO. HX101A USERS MANUAL, TASK MSC/TRW A-145, (STAR FILE) 30-01-68</p> <p>*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17 01-02-68</p> <p>DRAWINGS 205</p> <p>*68-17091 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENVIRONMENTAL CONTROL SYSTEM, BLOCK 2 TRAINING GUIDE (SEE BLOCK 1 GUIDE, *66-13157 FOR TEXT) 01-11-67</p> <p>QUALIFICATION TEST REPORTS AND DATA 302</p> <p>*68-16415 GARRETT CORP./AIRESEARCH MFG. DIV. GROUP 1 QUAL. TEST REPORT, CYCLIC ACCUMULATOR SENSOR AND CYCLIC ACCUMULATOR SIG. CONDITIONER PART NOS. 820928-1-1 AND 820930-1-1 25-03-66</p> <p>*68-16416 GARRETT CORP./AIRESEARCH MFG. DIV. GROUP 1 QUALIFICATION TEST REPORT CABIN PRESSURE REGULATOR, PART NO. 810200-1-1 30-09-65</p> <p>*68-16418 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, DIFFERENTIAL PRESSURE GAUGE, PART NO. 828940-1-1 05-08-66</p>	<p>*68-16424 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, CABIN PRESSURE REGULATOR, PART NO. 810230-1-1 15-11-66</p> <p>*68-16425 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, CABIN HEAT EXCHANGER, PART NO. 812150-1-1 21-10-66</p> <p>*68-16426 GARRETT CORP./AIRESEARCH MFG. DIV. GROUP 1 QUALIFICATION TEST REPORT, DEMAND PRESSURE REGULATOR, PART NO. 828730-1 30-04-66</p> <p>*68-16427 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, DEMAND PRESSURE REGULATOR, PART NO. 828730-5-1 01-12-66</p> <p>*68-16428 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, GAUGE PRESSURE TRANSDUCER, PART NO. 836130-1-1 29-08-66</p> <p>*68-16429 GARRETT CORP./AIRESEARCH MFG. DIV. GROUP 1 QUALIFICATION TEST REPORT, GLYCOL PUMP PRESSURE TRANSDUCER, PART NO. 837008-2 30-08-65</p> <p>*68-16430 GARRETT CORP./AIRESEARCH MFG. DIV. QUAL. TEST REPORT, BACKPRESSURE CONTROL EMI TEST SYS. CONTROL VALVE 828390-1, CONTROL 820908-2-1, TEMP. SENSOR 820920-1 15-02-66</p> <p>*68-16431 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, TEMPERATURE TRANSDUCER, PART NO. 836930-1 18-08-66</p> <p>*68-16432 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST REPORT, OXYGEN PRESSURE REGULATOR, PART NO. 829150-4-1 07-03-67</p> <p>*68-16433 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO QUALIFICATION DYNAMIC TEST, SEATON-WILSON DISCONNECT COUPLING 24-04-67</p> <p>*68-16436 LING TEMCO VOUGHT INC. TEST REPORT FOR GROUP 1, PHASE 4 QUALIFICATION TEST ON APOLLO RADIATOR TEMPERATURE CONTROLLER, P/N 332420001-103 17-03-67</p> <p>*68-16437 LING TEMCO VOUGHT INC. TEST REPORT FOR GROUP 1 QUALIFICATION TEST ON HEATER, WATER GLYCOL RADIATOR, P/N 332410001-1 20-01-67</p> <p>*68-16438 LING TEMCO VOUGHT INC. REPORT OF QUALIFICATION (GROUP 1) TEST ON WATER-GLYCOL RADIATOR FLOW PROPORTIONING VALVE, P/N 401-07711-01 29-11-66</p> <p>*68-16439 LING TEMCO VOUGHT INC. REPORT OF QUALIFICATION (GROUP 1) TEST ON SENSOR TEMPERATURE WATER- GLYCOL RADIATOR FLOW VALVE, P/N 401-07730 02-11-66</p> <p>*68-16440 LING TEMCO VOUGHT INC. REPORT OF QUALIFICATION (GROUP 1) TEST ON WATER-GLYCOL FLOW PROPORTIONING VALVE CONTROLLER, P/N 401-07650-01 08-06-66</p> <p>*68-16441 LING TEMCO VOUGHT INC. REPORT OF GROUP 3 QUALIFICATION TESTS ON APOLLO FLOW PROPORTIONING SUBSYSTEM, VOLUME 1 OF 3, REV. A 20-01-67</p> <p>*68-16442 LING TEMCO VOUGHT INC. REPORT OF GROUP 3 QUALIFICATION TESTS ON APOLLO FLOW PROPORTIONING SUBSYSTEM, VOLUME 2 OF 3, REV. A 00-00-67</p> <p>*68-16443 LING TEMCO VOUGHT INC. REPORT OF GROUP 3 QUALIFICATION TEST ON APOLLO FLOW PROPORTIONING SUBSYSTEMS, VOLUME 3 OF 3, REV. 3 17-01-67</p>

SYSTEMS INDEX

TYPICAL CITATION

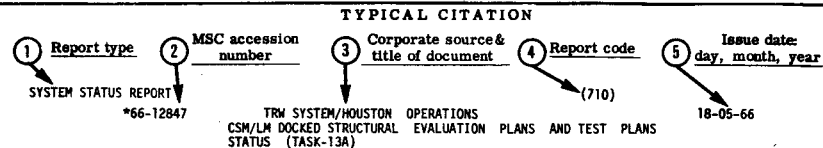


16

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
ENVIRONMENTAL CONTROL SYSTEM - Continued			ENVIRONMENTAL CONTROL SYSTEM - Continued		
*68-16800	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. QUICK LOOK REPORT-GUAL. TEST OF THE BLK. 2 ENVIRONMENTAL CONTROL SUBSYS, COLD PLATES ,LR 3477, TR 352011,CHANGEA CTR 11352011,OTP 3477	14-02-67	*68-16412	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	3i-01-65
*68-16831	GARRETT CORP./AIRESEARCH MFG. DIV. GR. QUAL. TEST CYCLIC ACCUMULATOR SINSOR/CYCLIC ACCUMULATOR SIG. COND P/NO 820928-1-1.820930-1-1.2.1	09-09-66	*68-16413	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-06-65
*68-16834	GARRETT CORP./AIRESEARCH MFG. DIV. GROUP 1 QUALIFICATION TEST REPORT SJIT EVAPORATOR BACKPRESSURE CONTROL VALVES AIRESEARCH PART NO. 828970-1-2,-1-3	08-09-66	*68-16414	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	3i-03-66
.....	END ITEM TEST PLAN 311		*68-16793	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT,ENVIRONMENTAL CONTROL SYSTEM,16 DECEMBER 1965 TO 15 JANUARY 1966	3i-01-65
*68-16419	GARRETT CORP./AIRESEARCH MFG. DIV. TEST DATA TRANSMITTAL PROOF PRESSURE TESTING TUNNEL PRESSURE GAUGE, PART NO. 828940-1	14-06-67	*68-16794	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT,ENVIRONMENTAL CONTROL SYSTEM,16 JULY 1965 TO 15 AUGUST 1965	3i-08-65
.....	END ITEM TEST AND INSPECTION PROCEDURES 312		*68-16795	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT,ENVIRONMENTAL CONTROL SYSTEM,16 AUGUST 1965 TO 15 SEPTEMBER 1965	30-09-65
*68-16417	GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 2, GROUP 1 QUALIFICATION TEST PROCEDURE, DIFFERENTIAL PRESSURE GAUGE, PART NO. 828940-1	18-05-66	*68-16796	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 SEPTEMBER 1965 TO 15 OCT. 1965	3i-10-65
*68-16835	GARRETT CORP./AIRESEARCH MFG. DIV. ACCEPTANCE TEST PROCEDURE, SUIT HEAT EXCHANGER AIRESEARCH PART NO. 813000-SERIES, (ECS ITEM 1.29)	09-04-66	*68-16797	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 NOVEMBER 1965 TO 15 DECEMBER 1965	3i-12-65
.....	TRAINING PROCEDURES AND HANDBOOKS 508		*68-16798	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH 1965 TO 15 APRIL 1965	30-04-65
*68-17091	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENVIRONMENTAL CONTROL SYSTEM, BLOCK 2 TRAINING GUIDE (SEE BLOCK 1 GUIDE, *66-13157 FOR TEXT)	01-11-67	*68-16799	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JUNE 1965 TO 15 JULY 1965	3i-07-65
.....	MONTHLY PROGRESS REPORT 701		*68-16801	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 APRIL 1965 TO 15 MAY 1965	3i-05-65
*66-10608	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM NAA/S AND ID. PROJECT APOLLO 16 NOVEMBER 1964-15 DECEMBER 1964	3i-12-64	*68-16802	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH 1964-15 APRIL 1964	30-04-64
*66-13178	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH TO APRIL 15, 1966	30-04-66	*68-16803	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JULY 1964-15 AUGUST 1964	3i-08-64
*66-13179	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM, 16 JANUARY TO 15 FEBRUARY 1966	28-02-66	*68-16804	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JUNE 1964-15 JULY 1964	3i-07-64
*68-16406	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-09-64	*68-16805	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MAY 1964-15 JUNE 1964	30-06-64
*68-16407	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-11-65	*68-16806	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 APRIL 1964-15 MAY 1964	3i-05-64
*68-16408	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-11-63	*68-16807	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JAN. 15 FEB. 1964	29-02-64
*68-16409	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	31-10-63	*68-16808	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 DEC. 1963 THRU 15 JAN. 1964	3i-01-64
*68-16410	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	26-06-63			
*68-16411	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	28-02-65			

ENVIRONMENTAL CONTROL SYSTEM - Continued	ELECTRICAL POWER SYSTEM Fuel Cell Power Plants
<p>*68-16809 GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 NOVEMBER THRU 15 DECEMBER 1963 02-01-64</p> <p>*68-16810 GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 FEB. 1965-15 MARCH 1965 31-03-65</p> <p>*68-16811 GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 OCTOBER 1964-15 NOVEMBER 1964 30-11-64</p> <p>*68-16812 GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 SEPTEMBER 1964-15 OCTOBER 1964 31-10-64</p> <p>*68-16813 GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 FEB. 1964-15 MARCH 1965 31-03-64</p>	<p>STRUCTURAL DYNAMICS/THERMAL TEST CRAFT 201-01</p> <p>*68-16859 TRW SYSTEMS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATING DEGRADATION OF THE APOLLO SPACECRAFT (TASK ASPO-333) 31-10-67</p> <p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16949 LING TEMCO VOUGHT INC. COMPUTER PROGRAM AND PERFORMANCE PREDICTIONS FOR APOLLO BLOCK 2 POWER GENERATION AND HEAT REJECTION SYSTEM 29-09-67</p> <p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-16949 LING TEMCO VOUGHT INC. COMPUTER PROGRAM AND PERFORMANCE PREDICTIONS FOR APOLLO BLOCK 2 POWER GENERATION AND HEAT REJECTION SYSTEM 29-09-67</p> <p>*68-17109 LING TEMCO VOUGHT INC. COMPUTER ROUTINE MODIFICATION/PERFORMANCE PREDICTIONS APOLLO BLOCK 1 POWER GENERATION/HEAT REJECTION SYSTEM 30-11-67</p> <p>TEST AND INSPECTION 308</p> <p>*68-16767 PRATT AND WHITNEY AIRCRAFT REPORT ON THE TEST, TEARDOWN, AND EVALUATION OF PC3A-2 APOLLO COMPONENT QUALIFICATION TEST POWERPLANT P650718-5 27-09-67</p> <p>END ITEM TEST PLAN 311</p> <p>*68-16998 NASA/MSC-HOUSTON, TEXAS INVESTIGATION BY RADIOLOGICAL METHODS TRANSPORT KOM THRU H7 RECIRCULATION LOOP PF APOLLO CMS FUEL CELL (W FILE. W67-10889) MONTHLY PROGRESS REPORT 01-12-67</p> <p>701</p> <p>*68-16322 PRATT AND WHITNEY AIRCRAFT APOLLO FUEL CELL POWERPLANT MONTHLY PROGRESS REPORT, BLOCK 2 31-05-67</p> <p>*68-16323 PRATT AND WHITNEY AIRCRAFT APOLLO FUEL CELL POWERPLANT MONTHLY PROGRESS REPORT, BLOCK 2 28-06-67</p> <p>*68-16622 PRATT AND WHITNEY AIRCRAFT APOLLO FUEL CELL POWERPLANT MONTHLY PROGRESS REPORT, BLOCK 2 29-08-67</p>
<p>ELECTRICAL POWER SYSTEM</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16153 TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1) 29-10-65</p> <p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-17077 NASA/MSC-HOUSTON, TEXAS THE MSC CSM ELECTRICAL POWER SUBSYSTEM PROGRAM (W FILE. W68-10,019) 27-12-67</p> <p>INTERFACE CONTROL (SYSTEMS) 207</p> <p>*68-16258 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR 2H-1 SECTIONS 1 AND 2 COMBINED VEHICLE TEST PLAN AND GROUND OPERATIONS REQUIREMENTS 03-12-65</p> <p>DOCUMENTATION PLAN 610-01</p> <p>*68-16153 TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1) 29-10-65</p> <p>STUDY PROJECTS APOLLO MODIFICATIONS 901</p> <p>*68-16985 TRW SYSTEMS/HOUSTON OPERATIONS SOLAR PANEL ATTITUDE STUDY FOR AAP ORBITAL WORKSHOP MISSIONS 17-11-67</p>	<p>ELECTRICAL POWER SYSTEM Battery Power Supply</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16863 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-501/107 CONSUMABLES ANALYSIS (W FILE. W67-10764) 01-09-67</p> <p>RELIABILITY ANALYSIS, DESIGN REVIEW 401</p> <p>*68-17252 NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE. W68-10,085) 00-12-67</p> <p>RELIABILITY TEST AND EVALUATION 405</p> <p>*68-17252 NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE. W68-10,085) 00-12-67</p>
<p>ELECTRICAL POWER SYSTEM Cryogenic Gas Storage</p> <p>STUDIES-SUMMARY REPORTS 702</p> <p>*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299) 16-11-64</p> <p>FINAL REPORT 704</p> <p>*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299) 16-11-64</p> <p>STUDY PROJECTS APOLLO MODIFICATIONS 901</p> <p>*68-17029 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299) 16-11-64</p>	<p>ELECTRICAL POWER SYSTEM AC Power Supply</p> <p>MONTHLY PROGRESS REPORT 701</p> <p>*68-16324 PRATT AND WHITNEY AIRCRAFT APOLLO FUEL CELL POWERPLANT MONTHLY PROGRESS REPORT, BLOCK 2 30-07-67</p> <p>*68-16325 PRATT AND WHITNEY AIRCRAFT MONTHLY PROGRESS REPORT, APOLLO STATIC INVERTER, BLOCK 1 AND BLOCK 2 15-04-67</p>

SYSTEMS INDEX

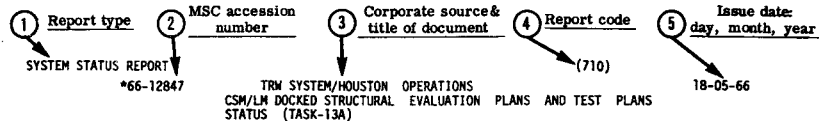


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
ELECTRICAL POWER SYSTEM - Continued	AC Power Supply		REACTION CONTROL SYSTEM	CM	
*68-16326	WESTINGHOUSE ELECTRIC CORP. MONTHLY PROGRESS REPORT APOLLO STATIC INVERTER, BLOCK 1 AND BLOCK 2, 15 APRIL 1967-15 MAY 1967	15-05-67	COMPUTER SOFTWARE AND MECHANIZATION	202-02	
REACTION CONTROL SYSTEM			*68-16155	TRW SYSTEMS/HOUSTON OPERATIONS CONTROL PLAN FOR VELOCITY-TO-BE-GAINED CAPACITY (REVISION A), TASK ASPO-15 (SUBTASK 1) END ITEM TEST AND INSPECTION PROCEDURES	15-12-65 312
TECHNICAL DATA, REPORTS, AND ANALYSES 202			*68-17111	NASA/MSC-HOUSTON, TEXAS APOLLO COMMAND MODULE REACTION CONTROL SYSTEM SUBSYSTEMS TEST (W FILE. W68-10,005)	29-12-67
*68-16878	NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPO DURING LOI TARGET UPDATE (W FILE. W67-10905)	01-11-67	REACTION CONTROL SYSTEM SM		
TOTAL CRAFT AND MISSION ANALYSES 202-01			TOTAL CRAFT AND MISSION ANALYSES 202-01		
*68-16878	NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPO DURING LOI TARGET UPDATE (W FILE. W67-10905)	01-11-67	*68-16837	NASA/MSC-HOUSTON, TEXAS THE LUNAR LANDING MISSION SMRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE. W67-10821)	20-10-67
*68-17082	NASA/MSC-HOUSTON, TEXAS AN EVALUATION OF VEHICLE AND CONTROL SYSTEM CONFIGURATION FOR THE AAP MISSION 304 RENDEZVOUS (W FILE. W67-10849)	06-11-67	*68-16863	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-501/107 CONSUMABLES ANALYSIS (W FILE. W67-10764)	01-09-67
COMPUTER SOFTWARE AND MECHANIZATION 202-02			*68-16865	TRW SYSTEMS/HOUSTON OPERATIONS EFFECT OF LAUNCH VEHICLE DESTRUCT ACTION ON THE AS-205/208 SPACECRAFT COMPONENTS (W FILE. W67-10418)	28-02-67
*68-16218	BOEING CO. / SPACE DIV. APOLLO DOCKING ANALYSIS (ADA) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16942	NASA/MSC-HOUSTON, TEXAS SERVICE MODULE ENTRY CHARACTERISTICS (W FILE. W67-10833)	22-11-67
*68-16219	BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE. X68-10663)	00-05-67	*68-17237	TRW SYSTEMS LOR SUMMARY + REFERENCE TRAJECTORY NO 1 DATA EXHIBITS ISSUE 4, VOL 1A (U)	08-07-64
*68-16225	BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67	INTERFACE CONTROL (SYSTEMS) 207		
INTERFACE CONTROL (SYSTEMS) 207			*68-16259	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENTRY-G AND N/SCS INTERFACE STUDY	11-08-65
*68-16224	BOEING CO. / SPACE DIV. DOCKING ANALYSIS FINAL REPORT	00-05-67	*68-16967	NASA/MSC-HOUSTON, TEXAS THE LUNAR LANDING MISSION SMRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE. W67-10874)	13-11-67
MONTHLY PROGRESS REPORT 701			STUDY PROJECTS APOLLO MODIFICATIONS 901		
*68-17321	BELL AEROSYSTEMS CO. MONTHLY PROGRESS REPORT NO. 5-CM, SM, LM, RCS POSITIVE EXPULSION TANKAGE PROD IMPROVEMENT PROG	13-12-67	*68-16472	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ALTERNATE METHODS FOR SM RCS ADJUSTMENT, FINAL REPORT	13-05-66
FINAL REPORT 704			REACTION CONTROL SYSTEM SM engines		
*68-16219	BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE. X68-10663)	00-05-67	TECHNICAL DATA, REPORTS, AND ANALYSES 202		
*68-16225	BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67	*68-17287	NASA/MSC-HOUSTON, TEXAS STATUS REPORT ON THE LUNAR MISSION ENTRY MONITORING AND BACKUP MODE DEVELOPMENT (W FILE. W68-10,081)	22-01-68
STUDY PROJECTS APOLLO MODIFICATIONS 901					
*68-17082	NASA/MSC-HOUSTON, TEXAS AN EVALUATION OF VEHICLE AND CONTROL SYSTEM CONFIGURATION FOR THE AAP MISSION 304 RENDEZVOUS (W FILE. W67-10849)	06-11-67			

REACTION CONTROL SYSTEM - Continued	SM	engines	SERVICE PROPULSION SYSTEM - Continued
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		TOTAL CRAFT AND MISSION ANALYSES
*68-17303 NASA/MSC-HOUSTON, TEXAS APOLLO SERVICE MODULE RCS ENGINE PERFORMANCE TESTS (W FILE, W68-10, D98)		29-12-67	*68-16153 TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1)
FINAL REPORT	704		*68-16905 TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-501, VOL. 2, ALTERNATE MISSION PLAN (W FILE, W67-10261) (IN-66-FM-149, TRW/MSC)
*68-17037 MARGUARDT CORP. FINAL REPORT-COLUMBIUM COMBUSTION CHAMBER DEVELOPMENT PROGRAM		22-09-67	*68-16906 TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-501, VOL. 1, ABORT PLAN (W FILE, W67-13124) (IN-66-FM-149, TRW/MSC)
REACTION CONTROL SYSTEM	Tanks		*68-16956 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR)
MODELING AND SIMULATION	201		*68-16988 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C, SERVICE PROPULSION SYS05 FLIGHT EVALUATION PLAN, APOLLO 4 501/017/LTA-10R
*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17		01-02-68	*68-17078 NASA/MSC-HOUSTON, TEXAS FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-13,018)
COMPUTER SOFTWARE AND MECHANIZATION	202-02		*68-17083 NASA/MSC-HOUSTON, TEXAS MINIMUM DELTA V REQUIRED TO RETURN TO EARTH FROM MOON-CENTERED ELLIPSES RESULTING FROM CSM RESCUE OF THE LM (W FILE, W67-10,891)
*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17		01-02-68	COMPUTER SOFTWARE AND MECHANIZATION
INTERFACE CONTROL (SYSTEMS)	207		202-02
*68-16939 NASA/MSC-HOUSTON, TEXAS CSM FUEL REQUIREMENTS FOR A LM RESCUE IN LUNAR ORBIT (W FILE, W67-10854)		30-10-67	*68-16155 TRW SYSTEMS/HOUSTON OPERATIONS CONTROL PLAN FOR VELOCITY-TO-BE-GAINED CAPACITY (REVISION A), TASK ASPO-15 (SUBTASK 1)
END ITEM NARRATIVE REPORT	313		*68-16219 BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE, X68-10663)
*68-16317 BELL AEROSYSTEMS CO. END ITEM NARRATIVE REPORT, TANK, FUEL, REACTION CONTROL SYSTEM, SERIAL NO 32		27-04-67	*68-16225 BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT
MONTHLY PROGRESS REPORT	701		*68-16956 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR)
*68-16206 BELL AEROSYSTEMS CO. MONTHLY PROGRESS REPORT NO. 15 FOR PERIOD ENDING 31 MAY 1967		31-05-67	*68-17432 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38
*68-16207 BELL AEROSYSTEMS CO. MONTHLY PROGRESS REPORT NO. 16 FOR PERIOD ENDING 30 JUNE 1967		30-06-67	DESIGN VERIFICATION, TEST DATA AND REPORTS
*68-16316 BELL AEROSYSTEMS CO. MONTHLY PROGRESS REPORT NO. 17 FOR PERIOD ENDING 31 JULY 1967, POSITIVE EXPULSION TANKS, MODEL 8271, BLK 2 REGS, (NAA)		01-08-67	203-01
FINAL REPORT	704		*68-17403 NASA/MSC-HOUSTON, TEXAS PRELIMINARY TEST RESULTS SERVICE MODULE 102 SERVICE PROPULSION SUBSYSTEM STATIC FIRINGS (W FILE, W68-10,118)
*68-16918 BELL AEROSYSTEMS CO. ALUMINUM APOLLO CONFIGURATION RCS PROPELLANT TANK SHELL (FINAL REPORT) (STAR)		00-10-67	DOCUMENTATION PLAN
SERVICE PROPULSION SYSTEM			610-01
TECHNICAL DATA, REPORTS, AND ANALYSES	202		*68-16153 TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1)
*68-16986 TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR HALF-FULL CSM/LM DOCKED VEHICLE		20-11-67	MONTHLY PROGRESS REPORT
*68-17078 NASA/MSC-HOUSTON, TEXAS FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-13,018)		20-12-67	701
*68-17432 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38		05-02-68	*68-16394 SIMMONDS PRECISION PRODUCTS, INC. NAA APOLLO PROGRAM BLOCK 2 MONTHLY REPORTS NO. 45 AND NO. 46 COVERING MAY AND JUNE, 1967
			FINAL REPORT
			704
			*68-16219 BOEING CO. / SPACE DIV. SPACECRAFT MANEUVER ENGINE TRANSIENTS (SMET) COMPUTER PROGRAM USERS MANUAL FINAL REPORT (STAR FILE, X68-10663)
			*68-16225 BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT

SYSTEMS INDEX

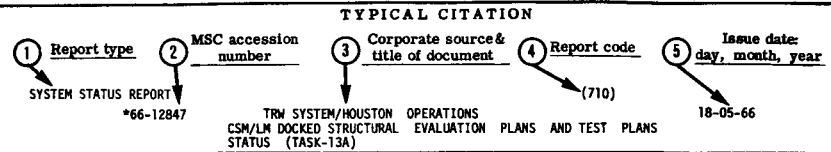
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
SERVICE PROPULSION SYSTEM	Tanks		SERVICE PROPULSION SYSTEM - Continued	Engines	
MODELING AND SIMULATION		201	*68-16863	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-501/107 CONSUMABLES ANALYSIS (W FILE.W67-10764)	01-09-67
*68-17371	TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17	01-02-68	*68-16865	TRW SYSTEMS/HOUSTON OPERATIONS EFFECT OF LAUNCH VEHICLE DESTRUCT ACTION ON THE AS-205/208 SPACECRAFT COMPONENTS (W FILE.W67-10418)	28-02-67
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-16944	NASA/MSC-HOUSTON, TEXAS AS-504/CSM-103/LH-3 MISSION PROFILE (W-FILE.W67-10887)	28-11-67
*68-16209	BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-17237	TRW SYSTEMS LOR SUMMARY + REFERENCE TRAJECTORY NO 1 DATA EXHIBITS ISSUE 4, VOL 1A (U)	08-07-64
*68-17371	TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17	01-02-68	COMPUTER SOFTWARE AND MECHANIZATION		202-02
QUALIFICATION TEST REPORTS AND DATA		302	*68-16897	BOEING CO. / SPACE DIV. SATURN V LAUNCH VEHICLE GUIDANCE AND NAVIGATION EQUATIONS,SA-502	15-11-66
*68-16997	ALLISON/DIVISION G.M. QUALIFICATION TEST OF APOLLO SERVICE MODULE 51-INCH OXIDIZER TANK (VOL. 2-FINAL REPORT)	29-01-65	DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01
MONTHLY PROGRESS REPORT		701	*68-17013	AEROJET-GENERAL CORP. INVESTIGATION OF THE COMPATIBILITY OF GOLD BRAZE ALLOYS WITH AEROZINE 50 (STAR,)	08-11-67
*68-16239	ALLISON/DIVISION G.M. APOLLO SPS PROPELLANT TANKS MONTHLY PROGRESS REPORT FOR MAY 1967	05-06-67	TEST AND INSPECTION		308
*68-16240	ALLISON/DIVISION G.M. APOLLO SPS PROPELLANT TANKS MONTHLY PROGRESS REPORT FOR JUNE 1967	05-07-67	*68-17292	NASA/MSC-HOUSTON, TEXAS EVALUATION OF AN APOLLO BLOCK 1 SPS BI-PROPELLANT VALVE (W FILE.W68- 10,091)	22-12-67
*68-16273	ALLISON/DIVISION G.M. APOLLO SPS PROPELLANT TANKS MONTHLY PROGRESS REPORT FOR JULY 1967	04-08-67	MONTHLY PROGRESS REPORT		701
*68-16623	ALLISON/DIVISION G.M. APOLLO SPS PROPELLANT TANKS MONTHLY PROGRESS FOR AUGUST 1967	05-09-67	*67-13791	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 11 MONTHLY PROGRESS REPORT (DEC.19 66)	00-12-66
*68-17331	ALLISON/DIVISION G.M. APOLLO SPS PROPELLANT TANKS-MONTHLY PROGRESS REPORT FOR SEPT 1967	06-10-67	*68-16175	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 1,MONTHLY PROGRESS REPORT	00-05-67
MATERIALS REPORT		703	*68-16176	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 1,MONTHLY PROGRESS REPORT	00-06-67
*68-17255	NASA/MSC-HOUSTON, TEXAS AN INVESTIGATION OF APOLLO TITANIUM PRESSURE VESSEL WELDS,MADE WITH COMMERCIAL PURE FILLER WIRE (W FILE.W68-10,045)	00-01-68	*68-16177	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 2,MONTHLY PROGRESS REPORT	00-05-67
FINAL REPORT		704	*68-16178	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 2,MONTHLY PROGRESS REPORT	00-06-67
*68-16209	BOEING CO. / SPACE DIV. TANK MODES PROGRAM (TAMP) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16287	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 2,MONTHLY PROGRESS REPORT,JULY 1967	00-07-67
STUDY PROJECTS APOLLO MODIFICATIONS		901	*68-16288	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE,BLOCK 1,MONTHLY PROGRESS REPORT,JULY 1967	00-07-67
*68-16472	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ALTERNATE METHODS FOR SM RCS AUGMENTATION,FINAL REPORT	13-05-66	*68-16488	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ROCKET ENGINE MONTHLY PROGRESS REPORT,APRIL 1963	00-04-63
SERVICE PROPULSION SYSTEM	Engines		*68-16489	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ROCKET ENGINE MONTHLY PROGRESS REPORT, FEBRUARY 1963	00-02-63
TOTAL CRAFT AND MISSION ANALYSES		202-01			
*68-16849	TRW SYSTEMS/HOUSTON OPERATIONS MISSION AS-501 SEPARATION AND RECONTACT ANALYSIS (W FILE. W67-10800) (IN.-67-FM-191, MSC/TRW)	28-09-67			

SERVICE PROPULSION SYSTEM - Continued	Engines	GUIDANCE AND NAVIGATION SYSTEM - Continued
*68-16624	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE BLOCK 2 MONTHLY PROGRESS REPORT	*68-16983 TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL VI
*68-17406	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE BLOCK 1-MONTHLY PROGRESS REPORT	*68-17026 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. COMBINED SYSTEMS MISSION EVALUATION PHASE 3, ENTRY CONTROL SYSTEMS DYNAMIC VERIFICATION
*68-17407	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE-BLOCK 2 MONTHLY PROGRESS REPORT	*68-17103 TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. VII-JULY-SEPT 1969
*68-17408	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE-BLOCK 1 MONTHLY PROGRESS REPORT	*68-17217 TRW SYSTEMS/HOUSTON OPERATIONS DEVELOPMENT OF ENTRY CORRIDORS FOR THE APOLLO NEAR EARTH ORBITAL MISS TASK MSC/TRW A-150 (STAR FILE)
*68-17409	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE-BLOCK 2 MONTHLY PROGRESS REPORT	*68-17248 TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJ BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL 8-OCT-DEC 1969, TASK MSC/TRW A-117
STUDY PROJECTS APOLLO MODIFICATIONS 901		*68-17285 NASA/MSC-HOUSTON, TEXAS NAVIGATIONAL CAPABILITIES OF THE SEXTANT AND RANGING DEVICE FOR CSM-ACTIVE RENDEZVOUS (W FILE, W68-10,078)
*68-16943	NASA/MSC-HOUSTON, TEXAS FEASIBILITY OF MANUAL COMPLETION OF A LOI BURN, VOL. I-IMU DRIFT ABOUT THE PITCH AXIS (W FILE, W67-10R84)	*68-17354 TRW SYSTEMS APOLLO GUIDANCE AND NAV DIAGNOSTIC LOGIC STUDY, TASK MSC/TRW A-41
GUIDANCE AND NAVIGATION SYSTEM		*68-17356 AC SPARK PLUG/ELECTRONICS DIV. G.M. MAINTAINABILITY DESIGN REVIEW + EVALUATION REPORT BLOCK 2 + LEM AC ELECTRONICS G + N
CFE SPECIFICATIONS GENERAL 102		*68-17432 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38
*68-16337	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. COMPONENT INSTALLATION PROCEDURE APOLLO GUIDANCE EQUIPMENT SC 008	*68-17439 NASA/GODDARD SPACE FLIGHT CENTER GO, NO-GO FOR APOLLO BASED ON ORBITAL LIFETIME
MODELING AND SIMULATION 201		*68-17441 NASA/GODDARD SPACE FLIGHT CENTER ERROR ANALYSIS FOR APOLLO EARTH PARKING ORBITS USING RANGE RATE AND ANGLE MEASUREMENTS
*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	*68-17444 NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE
TECHNICAL DATA, REPORTS, AND ANALYSES 202		TOTAL CRAFT AND MISSION ANALYSES 202-01
*68-16161	TRW SYSTEMS/HOUSTON OPERATIONS FOUNDATIONS FOR A GUIDANCE AND CONTROL FLIGHT TEST PLAN, TASK ASPD-38	*68-16232 BOEING CO. / SPACE DIV. NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT, MAY 1967
*68-16369	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. 3-AUGUST-OCTOBER 1968, TASK MSC/TRW A-117	*68-16878 NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPD DURING LOI TARGET UPDATE (W FILE, W67-10905)
*68-16618	TRW SYSTEMS/HOUSTON OPERATIONS GAHS PROGRAM DESCRIPTION AND USERS GUIDE, TASK MSC/TRW A-135	*68-16905 TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-501, VOL. 2, ALTERNATE MISSION PLAN (W FILE, W67-10261)(IN-66-FM-149, TRW/MSC)
*68-16668	TRW SYSTEMS/HOUSTON OPERATIONS ADDENDUM TO TRW SYSTEMS REPORT 05952-6010-R0-00 DETERMINATION OF A YAW PLANE GUID MODEL FOR CSM THRUST VECTOR CONTROL SYS STUDIES	*68-16906 TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-501, VOL. 1, ABORT PLAN (W FILE, W67-13124)(IN-66-FM-149, TRW/MSC)
*68-16843	NASA/MSC-HOUSTON, TEXAS COMPARISON OF NAVIGATION SYSTEMS IN EARTH ORBIT (W FILE, W67-10830)	*68-16956 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR
*68-16878	NASA/MSC-HOUSTON, TEXAS SMALL VELOCITY DISPERSIONS IN THE LAST MCC JUSTIFY REDEFINING THE LPD DURING LOI TARGET UPDATE (W FILE, W67-10905)	*68-16979 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION, (ME 012), FINAL STUDY REPORT
*68-16936	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL V	*68-17079 NASA/MSC-HOUSTON, TEXAS AS-503A/AS-504A REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, W68-10,017)
*68-16954	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REFERENCE MISSION PROGRAM SIX-DEGREE-OF-FREEDOM GUIDANCE AND CONTROL USERS MANUAL	*68-17085 NASA/MSC-HOUSTON, TEXAS PRELIM EVAL OF THE POLYNOMIAL + INTEGRATED MODES OF THE GENERALIZED ITERATOR FOR LOI TARGETING IN THE RTCC (W FILE, W67-10,890)
*68-16963	TRW SYSTEMS/HOUSTON OPERATIONS FINAL PHASE REENTRY RANGE PREDICTOR STUDY	*68-17242 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FINAL REPORT, PRELIM DEFINITION PHASE APOLLO EXTENSION SYS SUBSYSTEM SUMMARY

SYSTEMS INDEX



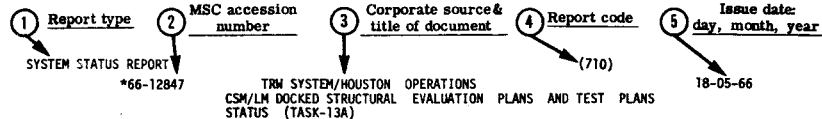
SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
GUIDANCE AND NAVIGATION SYSTEM - Continued		
*68-17269	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL AND LUNAR MISSIONS USING PROGRAM COLOSSUS, SEC 7 (U) (STAR FILE)	00-11-67
*68-17270	MIT INSTRUMENTATION LAB GUIDANCE AND NAVIGATION SYSTEM OPERATIONS PLAN, MISSION AS 2044/205, VOL 2 (U)	00-10-66
*68-17439	NASA/GODDARD SPACE FLIGHT CENTER GC. NO-GO FOR APOLLO BASED ON ORBITAL LIFETIME	00-11-65
.....		
COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16155	TRW SYSTEMS/HOUSTON OPERATIONS CONTROL PLAN FOR VELOCITY-TO-BE-GAINED CAPACITY (REVISION A), TASK ASPO-15 (SUBTASK 1)	15-12-65
*68-16618	TRW SYSTEMS/HOUSTON OPERATIONS GANS PROGRAM DESCRIPTION AND USERS GUIDE, TASK MSC/TRW A-135	19-09-67
*68-16954	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REFERENCE MISSION PROGRAM SIX-DEGREE-OF-FREEDOM GUIDANCE AND CONTROL USERS MANUAL	01-11-67
*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67
*68-17079	NASA/MSC-HOUSTON, TEXAS AS-503A/AS-504A REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, W68-10,017)	15-12-67
*68-17085	NASA/MSC-HOUSTON, TEXAS PRELIM EVAL OF THE POLYNOMIAL + INTEGRATED MODES OF THE GENERALIZED ITERATOR FOR LOI TARGETING IN THE RTCC-(W FILE, W67-10,890)	24-11-67
*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT, VOL. 1	16-11-67
*68-17152	TRW SYSTEMS/HOUSTON OPERATIONS GANS PROGRAM INPUT/OUTPUT INSTRUCTIONS, TASK MSC/TRW A-135	16-01-68
*68-17216	TRW SYSTEMS/HOUSTON OPERATIONS GANS PROGRAM DESCRIPTION-TASK MSC/TRW A-135, (STAR FILE,)	23-01-68
*68-17432	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 4 GUIDANCE AND NAVIGATION ERROR ANALYSIS-FINAL REPORT, TASK E + D-38	05-02-68
*68-17444	NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE	00-02-66
.....		
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203
*68-16649	MIT INSTRUMENTATION LAB BLOCK 2 AND LEM GUIDANCE AND NAVIGATION SYS WEIGHTS AND POWER REQUIREMENTS REPORTED STATUS-NJV 1965 (U)	00-11-65
.....		
PRELIMINARY DESIGN AND REQUIREMENTS		204
*68-16201	MIT INSTRUMENTATION LAB APOLLO GUIDANCE AND NAVIGATION TEST DATA PROGRAM PLAN	00-07-65

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
GUIDANCE AND NAVIGATION SYSTEM - Continued		
INTERFACE OPERATIONS, PROCEDURES		208-01
*68-16337	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. COMPONENT INSTALLATION PROCEDURE APOLLO GUIDANCE EQUIPMENT SC 008	22-09-65
.....		
RELIABILITY ANALYSIS, DESIGN REVIEW		401
*68-16336	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW	02-11-66
.....		
FAILURE DATA		402
*68-16338	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW	02-11-66
.....		
HANDBOOKS AND MANUALS SPACECRAFT		501
*66-11709	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO G AND N SYSTEM BLOCK I CHECKOUT, MAINTENANCE AND REPAIR MANUAL VOLUME I	01-07-64
*66-11722	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO CM BLOCK II PRIMARY GUIDANCE, NAVIGATION AND CONTROL SYSTEM MANUAL, REV. R	26-10-67
.....		
S/C FAMILIARIZATION MANUALS		501-01
*65-10008	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO GUIDANCE AND NAVIGATION EQUIPMENT FAMILIARIZATION MANUAL	01-03-64
.....		
HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		503
*66-11712	AC SPARK PLUG/ELECTRONICS DIV. G.M. CM + LEM GUIDANCE AND NAVIGATION SYSTEM, BLOCK 1, SERIES 100, BLOCK 2 + LEM PACKING, SHIPPING AND HANDLING MANUAL	01-09-65
.....		
TRAINING PROCEDURES AND HANDBOOKS		508
*67-14027	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO COMMAND MODULE PRIMARY GUIDANCE, NAVIGATION CONTROL AND SYSTEM, STUDENT STUDY GUIDE BLOCK II	25-11-66
.....		
PROGRAM PLAN		601
*68-16200	MIT INSTRUMENTATION LAB FIELD OPERATIONS PROGRAM REQUIREMENTS	00-04-65
*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	18-08-65
*68-16874	NASA/MSC-HOUSTON, TEXAS PRELIMINARY LANDMARK NAVIGATION PLAN FOR AS-205/CSM-101 (W FILE, W67-10847)	01-11-67
.....		
QUARTERLY PROGRESS REPORT		701-01
*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT, VOL. 1	16-11-67
.....		
STUDIES-SUMMARY REPORTS		702
*68-16979	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION, (ME 012), FINAL STUDY REPORT	28-09-67

GUIDANCE AND NAVIGATION SYSTEM - Continued	GUIDANCE AND NAVIGATION SYSTEM - Continued	Inertial Subsystem
<p>FINAL REPORT 704</p> <p>*68-10232 BOEING CO. / SPACE DIV. 00-05-67 NONLINEAR FLIGHT LOADS ANALYSIS FINAL REPORT, MAY 1967</p> <p>*68-17030 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. 16-11-64 EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)</p> <p>SYSTEM STATUS REPORT 710</p> <p>*66-10792 MIT INSTRUMENTATION LAB 00-02-66 SYSTEM STATUS REPORT FOR FEB-65 (J)</p> <p>*68-10547 MIT INSTRUMENTATION LAB 00-08-67 SYSTEM STATUS REPORT</p> <p>STUDY PROJECTS APOLLO MODIFICATIONS 901</p> <p>*68-17030 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. 16-11-64 EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)</p>	<p>*68-17322 SPERRY GYROSCOPE CO. (GREAT NECK, NY) 00-11-67 APOLLO 16 PIP MODEL D PRODUCTION-PROGRESS REPORT NUMBERS 66-61-OCT 1,1967-NOV 1,1967</p> <p>BIMONTHLY PROGRESS REPORT 701-02</p> <p>*68-16560 SPERRY GYROSCOPE CO. (GREAT NECK, NY) 01-09-67 APOLLO 16 PIP MODEL D PRODUCTION PROGRAM PROGRESS REPORT</p> <p>FINAL REPORT 704</p> <p>*68-17063 DYNAMICS RESEARCH CORP. 29-12-67 FINAL REPORT ON APOLLO IRIG ANALYSIS AND LEM DATA LISTINGS</p>	
<p>GUIDANCE AND NAVIGATION SYSTEM</p>	<p>GUIDANCE AND NAVIGATION SYSTEM</p>	Inertial Subsystem
<p>CFE SPECIFICATIONS GENERAL 102</p> <p>*68-17060 DYNAMICS RESEARCH CORP. 20-09-67 TEST SPECIFICATION RECOMMENDATIONS FOR APOLLO INERTIAL INSTRUMENTS</p> <p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*67-15028 MIT INSTRUMENTATION LAB 00-03-67 HIGH PRECISION CURRENT SOURCE FOR AN INERTIAL SYSTEM BASIC DC MEASUREMENT TECHNIQUE (STAR FILE X67-20499)</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16854 BELLCOMM, INC. 01-08-67 IMPLICATIONS OF LUNAR ORBITAL ALTITUDES FOR LM SEPARATION</p> <p>*68-16864 TRW SYSTEMS/HOUSTON OPERATIONS 15-05-67 SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR 204/LM-1 (FORMERLY AS-206) (W FILE, W67-10,600)</p> <p>DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203</p> <p>*68-16650 MIT INSTRUMENTATION LAB 02-12-65 CLASSIFIED PRESENTATIONS, CRITICAL DESIGN REVIEW (U)</p> <p>QUALIFICATION TEST REPORTS AND DATA 302</p> <p>*68-16262 RAYTHEON CO. 28-02-67 APOLLO QUALIFICATION REVIEW REPORT</p> <p>*68-16263 RAYTHEON CO. 28-02-67 APOLLO QUALIFICATION REVIEW REPORT</p> <p>*68-16264 RAYTHEON CO. 09-03-67 APOLLO QUALIFICATION REVIEW REPORT</p> <p>*68-16265 RAYTHEON CO. 09-03-67 APOLLO QUALIFICATION REVIEW REPORT</p> <p>MONTHLY PROGRESS REPORT 701</p> <p>*68-17138 SPERRY GYROSCOPE CO. (GREAT NECK, NY) 02-01-68 APOLLO 16 PIP MODEL D PRODUCTION PROGRAM (PROGRESS REPORT NO. 63)</p>	<p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16879 NASA/MSC-HOUSTON, TEXAS 30-10-67 VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE, W67-10844)</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16837 NASA/MSC-HOUSTON, TEXAS 20-10-67 THE LUNAR LANDING MISSION SMRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE, W67-10821)</p> <p>*68-16858 TRW SYSTEMS/HOUSTON OPERATIONS 31-10-67 FEASIBILITY OF REAL-TIME UTILIZATION OF REENTRY TRACKING SWIP AND REENTRY AIRCRAFT DATA (TASK MS2/TRW A-041)</p> <p>*68-16879 NASA/MSC-HOUSTON, TEXAS 30-10-67 VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE, W67-10844)</p> <p>*68-16942 NASA/MSC-HOUSTON, TEXAS 22-11-67 SERVICE MODULE ENTRY CHARACTERISTICS (W FILE, W67-10833)</p> <p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-17247 TRW SYSTEMS/HOUSTON OPERATIONS 15-01-68 RECOMMENDED RTCC REQUIREMENTS FOR THE TLI GUIDANCE SWITCHOVER PROCEDURE-(TASK A-143)</p> <p>INTERFACE CONTROL (SYSTEMS) 207</p> <p>*68-16259 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. 11-08-65 ENTRY-G AND N/SCS INTERFACE STUDY</p> <p>*68-16967 NASA/MSC-HOUSTON, TEXAS 13-11-67 THE LUNAR LANDING MISSION SMRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE, W67-10874)</p> <p>QUALIFICATION TEST REPORTS AND DATA 302</p> <p>*68-16388 AC SPARK PLUG/ELECTRONICS DIV. G.M. 19-01-67 CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT. G AND N SYS. 012-MISS. 204 FLT. READINESS REVIEW SUPPLEMENT</p> <p>*68-16391 AC SPARK PLUG/ELECTRONICS DIV. G.M. 00-05-67 DETAILED TEST OBJS FOR HUMIDITY, REQUALIFICATION OF THE INERTIAL SUBSYSTEM CM BLOCK 2 POWER SERVO ASSY, AND G + N HARNESS GROUP</p> <p>*68-16405 AC SPARK PLUG/ELECTRONICS DIV. G.M. 00-02-67 DETAILED TEST OBJS., FOR ELECTROMAGNETIC INTERFERENCE AND SUSCEPTIBILITY QUAL OF THE APOLLO CM BLK 2 G + N SYS</p> <p>*68-16455 AC SPARK PLUG/ELECTRONICS DIV. G.M. 31-01-67 EVALUATION TESTING OF SOLDER JOINTS MADE BY GOLD PLATED COMPONENTS SIMULATING THE APOLLO 25 IRIG PLATE AND HARNESS ASSEMBLY TEST RECORD</p> <p>RELIABILITY ANALYSIS, DESIGN REVIEW 401</p> <p>*68-16388 AC SPARK PLUG/ELECTRONICS DIV. G.M. 19-01-67 CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT. G AND N SYS. 012-MISS. 204 FLT. READINESS REVIEW SUPPLEMENT</p>	IRIGS, IMUS

SYSTEMS INDEX

TYPICAL CITATION

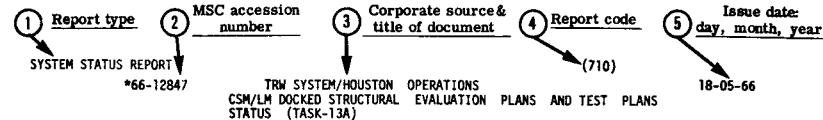


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
GUIDANCE AND NAVIGATION SYSTEM - Continued	Inertial Subsystem	IRIGS, IMUS	GUIDANCE AND NAVIGATION SYSTEM - Continued	Optical Subsystem/Displays	
RELIABILITY TEST AND EVALUATION	405		TEST PLAN	603	
*67-15002 MIT INSTRUMENTATION LAB GYRO RELIABILITY-ACHIEVED THROUGH PROPER DESIGN AND EFFECTIVE PERFORMANCE MONITORING (STAR FILE X67-20293)		00-03-67	*68-16392 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUAL TEST PLAN FOR CM BLOCK 2 ASTROSEXANT PASSIVE THERMAL PROTECTION SYS VIBRATION AND SHOCK		00-02-67
PROGRAM PLAN	601		GUIDANCE AND NAVIGATION SYSTEM	Optical Subsystem/Displays	star tracker
*68-17319 NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE. W68-10,073)		10-01-68	TECHNICAL DATA, REPORTS, AND ANALYSES	202	
TEST PLAN	603		*67-15016 MIT INSTRUMENTATION LAB DATA ACQUISITION AND REDUCTION MIT-15 HORIZON DEFINITION EXPERIMENT PHASE 2 (STAR FILE X67-20223)		00-12-66
*68-17319 NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE. W68-10,073)		10-01-68	*68-16879 NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE.W67-10844)		30-10-67
FINAL REPORT	704		*68-17244 TRW SYSTEMS/HOUSTON OPERATIONS TRANSMITTAL OF REVISED ROUGH DRAFT OF THE VISIBILITY PROJECTS REPORT, TASK MSC/TRW ASPD-68		29-01-68
*68-16379 DYNAMICS RESEARCH CORP. APOLLO GYRO MILLIWATTMETER TRACE ANALYSES FINAL REPORT TASK 1		25-08-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
*68-16830 SPERRY GYROSCOPE CO. (GREAT NECK, NY) APOLLO 16 PIP RELIABILITY TEST PROGRAM-PART 2 FINAL REPORT, LIFE TEST PROGRAM		00-03-67	*68-16879 NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE.W67-10844)		30-10-67
STUDY PROJECTS APOLLO MODIFICATIONS	901		*68-16914 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 3 (W FILE. W67-10410) (IN-67-FM-3, VOL. 3, TRW/MSC)		01-03-67
*68-16943 NASA/MSC-HOUSTON, TEXAS FEASIBILITY OF MANUAL COMPLETION OF A LOI BURN, VOL. 1-IMU DRIFT ABOUT THE PITCH AXIS (W FILE. *67-10884)		15-11-67	*68-17120 NASA/MSC-HOUSTON, TEXAS NAVIGATION ERROR ANALYSIS OF THE RENDEZVOUS SEQUENCE OF AS-205/101 (W FILE.W67-10,904)		30-11-67
GUIDANCE AND NAVIGATION SYSTEM	Optical Subsystem/Displays		*68-17273 TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MSFN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT U()		20-01-64
TECHNICAL DATA, REPORTS, AND ANALYSES	202		COMPUTER SOFTWARE AND MECHANIZATION	202-02	
*68-17116 TRW SYSTEMS/HOUSTON OPERATIONS AGC LAUNCH DISPLAY PARAMETER ANALYSIS FOR MANNED MISSIONS (U FILE, U68-10,030)MSC/TRW, IN-67-FM-133)		31-12-67	*68-17146 TRW SYSTEMS/HOUSTON OPERATIONS NAVIGATION ANALYSIS STUDY CSM ACTIVE RENDEZVOUS, (TASK MSC/TRQ A-105)		20-11-67
*68-17244 TRW SYSTEMS/HOUSTON OPERATIONS TRANSMITTAL OF REVISED ROUGH DRAFT OF THE VISIBILITY PROJECTS REPORT, TASK MSC/TRW ASPD-68		29-01-68	*68-17273 TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MSFN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT U()		20-01-64
*68-17434 NASA/MSC-HOUSTON, TEXAS VISUAL DETECTION OF THE LANDED LUNAR MODULE BY THE APOLLO COMMAND MODULE OPTICS (W FILE, W68-10,114)		05-02-68	TEST PLAN	603	
COMPUTER SOFTWARE AND MECHANIZATION	202-02		*68-16393 AC SPARK PLUG/ELECTRONICS DIV. G.M. EJECTABLE DUST COVERS USED WITH ASTROSEXANT PASSIVE THERMAL PROTECTION SYS. QUAL TESTS BLOCK 1		15-12-66
*68-17434 NASA/MSC-HOUSTON, TEXAS VISUAL DETECTION OF THE LANDED LUNAR MODULE BY THE APOLLO COMMAND MODULE OPTICS (W FILE, W68-10,114)		05-02-68	GUIDANCE AND NAVIGATION SYSTEM	Computer Subsystem	
INTERFACE CONTROL (SYSTEMS)	207		TECHNICAL DATA, REPORTS, AND ANALYSES	202	
*68-16939 NASA/MSC-HOUSTON, TEXAS CSM FUEL REQUIREMENTS FOR A LM RESCUE IN LUNAR ORBIT (W FILE, W67-10854)		30-10-67	*68-16957 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES		00-11-67
*68-16967 NASA/MSC-HOUSTON, TEXAS THE LUNAR LANDING MISSION SHRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE, W67-10874)		13-11-67			

GUIDANCE AND NAVIGATION SYSTEM - Continued	Computer Subsystem	GUIDANCE AND NAVIGATION SYSTEM - Continued	Computer Subsystem		
*68-17008	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSIONS USING PROGRAM SUNDISK SECTION 3 GUIDANCE EQUATIONS (STAR FILE, STAR)	00-12-67	*68-17061	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL AND LUNAR MISSIONS USING PROGRAM C3LOSSJS, SEC. 5 (STAR FILE, STAR)	00-12-67
*68-17061	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL AND LUNAR MISSIONS USING PROGRAM C3LOSSJS, SEC. 5 (STAR FILE, STAR)	00-12-67	*68-17065	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK-SECTION 3 CONTROL DATA (STAR FILE,)	00-12-67
*68-17065	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK-SECTION 3 CONTROL DATA (STAR FILE,)	00-12-67	*68-17146	TRW SYSTEMS/HOUSTON OPERATIONS NAVIGATION ANALYSIS STUDY CSM ACTIVE RENDEZVOUS, (TASK MSC/TRQ A-105)	20-11-67
*68-17116	TRW SYSTEMS/HOUSTON OPERATIONS AGC LAUNCH DISPLAY PARAMETER ANALYSIS FOR MANNED MISSIONS (U FILE, U68-10,030)MSC/TRW, TN-67-FM-133)	31-12-67	*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67
*68-17287	NASA/MSC-HOUSTON, TEXAS STATUS REPORT ON THE LUNAR MISSION ENTRY MONITORING AND BACKUP MODE DEVELOPMENT (W FILE, W68-10,081)	22-01-68	*68-17305	NASA/MSC-HOUSTON, TEXAS APOLLO MISSION C REQUIREMENTS FOR THE REAL-TIME PROGRAM REENTRY PHASE (W FILE, W68-10,098)	30-01-68
TOTAL CRAFT AND MISSION ANALYSES		202-01	INTERFACE CONTROL (SYSTEMS)		207
*68-16163	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM USERS MANUAL, MSC/TRW TASK A-115	15-08-67	*68-16259	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, ENTRY-G AND N/SCS INTERFACE STUDY	11-08-65
*68-16164	TRW SYSTEMS/HOUSTON OPERATIONS AGC VERIFICATION OF THE AS-501 REENTRY GUIDANCE EQUATION, TASK MSC TRW A-98	16-08-67	*68-16939	NASA/MSC-HOUSTON, TEXAS CSM FUEL REQUIREMENTS FOR A LM RESCUE IN LUNAR ORBIT (W FILE, W67-10854)	30-10-67
*68-16858	TRW SYSTEMS/HOUSTON OPERATIONS FEASIBILITY OF REAL-TIME UTILIZATION OF REENTRY TRACKING SHIP AND REENTRY AIRCRAFT DATA (TASK MSC/TRW A-141)	31-10-67	QUALIFICATION TEST REPORTS AND DATA		302
*68-17105	TRW SYSTEMS/HOUSTON OPERATIONS TRANSEARTH INJECTION ABORT PROCESSOR ENTRY RANGE FUNCTIONS, TASK MSC/TRW A-149	15-12-67	*68-16388	AC SPARK PLUG/ELECTRONICS DIV, G.M. CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT, G AND N SYS, 012-MISS, 204 FLT. READINESS REVIEW SUPPLEMENT	19-01-67
*68-17120	NASA/MSC-HOUSTON, TEXAS NAVIGATION ERROR ANALYSIS OF THE RENDEZVOUS SEQUENCE OF AS-205/101 (W FILE, W67-10,904)	30-11-67	*68-16405	AC SPARK PLUG/ELECTRONICS DIV, G.M. DETAILED TEST OBJ'S., FOR ELECTROMAGNETIC INTERFERENCE AND SUSCEPTIBILITY QAL OF THE APO-LO CM BLK 2 G + N SYS	00-02-67
*68-17157	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 1-TASK MSC/TRW A-96	27-11-67	RELIABILITY ANALYSIS, DESIGN REVIEW		401
*68-17272	RAYTHEON CO. SPACEBORNE SENSOR STUDY ENGINEERING REPORT PART 2 ANALYTIC SOLUTION-VOL. 1	12-04-63	*68-16388	AC SPARK PLUG/ELECTRONICS DIV, G.M. CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT, G AND N SYS, 012-MISS, 204 FLT. READINESS REVIEW SUPPLEMENT	19-01-67
*68-17305	NASA/MSC-HOUSTON, TEXAS APOLLO MISSION C REQUIREMENTS FOR THE REAL-TIME PROGRAM REENTRY PHASE (W FILE, W68-10,098)	30-01-68	TEST PLAN		603
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-17094	TRW SYSTEMS/HOUSTON OPERATIONS INDEPENDENT FLIGHT SOFTWARE VERIFICATION TEST PLAN OF THE SUNDISK PROGRAM FOR THE AS 205/101 MISSION	05-01-68
*67-14047	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM USERS MANUAL ADDENDUM TO 67-13465 TASK MSC/TRW 11-115,120	13-03-67	FINAL REPORT		704
*67-15027	MIT INSTRUMENTATION LAB A MULTIPROCESSING STRUCTURE (STAR FILE X67-20078)	00-03-67	*67-15008	MIT INSTRUMENTATION LAB FINAL REPORT ON ERASABLE MEMORY INVESTIGATIONS (STAR, N67-35251)	00-03-67
*68-16163	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM USERS MANUAL, MSC/TRW TASK A-115	15-08-67	STABILIZATION AND CONTROL SYSTEM		
*68-16164	TRW SYSTEMS/HOUSTON OPERATIONS AGC VERIFICATION OF THE AS-501 REENTRY GUIDANCE EQUATION, TASK MSC TRW A-98	16-08-67	MODELING AND SIMULATION		201
*68-16857	BOEING CO. / SPACE DIV, SATURN V LAUNCH VEHICLE GUIDANCE AND NAVIGATION EQUATIONS, SA-502	15-11-66	*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, ENGINEERING SIMULATION PLAN	18-08-65
*68-16957	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES	00-11-67	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-17008	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSIONS USING PROGRAM SUNDISK SECTION 3 GUIDANCE EQUATIONS (STAR FILE, STAR)	00-12-67	*68-16161	TRW SYSTEMS/HOUSTON OPERATIONS FOUNDATIONS FOR A GUIDANCE AND CONTROL FLIGHT TEST PLAN, TASK ASP-38	10-08-67
			*68-16841	NASA/MSC-HOUSTON, TEXAS PRELIMINARY BACKUP ABORT PROCEDURES FOR ABORTS OCCURRING DURING TRANSLUNAR INJECTION (W FILE, W67-10822)	02-10-67
			*68-16954	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REFERENCE MISSION PROGRAM SIX-DEGREE-OF-FREEDOM GUIDANCE AND CONTROL USERS MANUAL	01-11-67

SYSTEMS INDEX

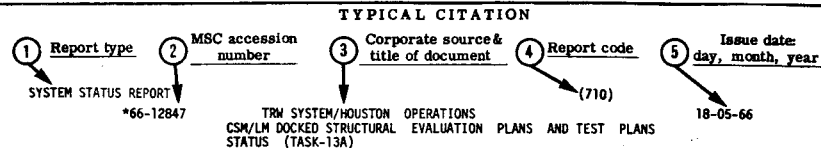
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
STABILIZATION AND CONTROL SYSTEM - Continued			STABILIZATION AND CONTROL SYSTEM - Continued		
*68-17026	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. COMBINED SYSTEMS MISSION EVALUATION PHASE 3, REENTRY CONTROL SYSTEMS DYNAMIC VERIFICATION	13-10-67	END ITEM NARRATIVE REPORT	313	
*68-17065	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK-SECTION 5 CONTROL DATA (STAR FILE,)	00-12-67	*68-17135	NASA/MSC-HOUSTON, TEXAS ELECTROMAGNETIC COMPATIBILITY TESTS ON THE 2H-1 BLOCK 2 STABILIZATION AND CONTROL SYSTEM (W FILE, W69-10,022)	06-12-67
*68-17078	NASA/MSC-HOUSTON, TEXAS FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-10,018)	20-12-67	ACCEPTANCE DATA PACKAGE	314	
TOTAL CRAFT AND MISSION ANALYSES	202-01		*68-17278	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST DATA FOR ATCA PRODUCTION MODELS	27-06-67
*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67	TRAINING PROCEDURES AND HANDBOOKS	508	
*68-16979	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION, (ME 012), FINAL STUDY REPORT	28-09-67	*67-14027	AC SPARK PLUG/ELECTRONICS DIV. 5, M, APOLLO COMMAND MODULE PRIMARY GUIDANCE, NAVIGATION CONTROL AND SYSTEM, STUDENT STUDY GUIDE BLOCK II	25-11-66
*68-17078	NASA/MSC-HOUSTON, TEXAS FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-10,018)	20-12-67	PROGRAM PLAN	601	
*68-17079	NASA/MSC-HOUSTON, TEXAS AS-503A/AS-504A REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, W68-10,017)	15-12-67	*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	18-08-65
*68-17242	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FINAL REPORT, PRELIM DEFINITION PHASE APOLLO EXTENSION SYS SUBSYSTEM SUMMARY	17-01-66	STUDIES-SUMMARY REPORTS	702	
COMPUTER SOFTWARE AND MECHANIZATION	202-02		*68-16979	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION EVALUATION, (ME 012), FINAL STUDY REPORT	28-09-67
*68-16954	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REFERENCE MISSION PROGRAM SIX-DEGREE-OF-FREEDOM GUIDANCE AND CONTROL USERS MANUAL	01-11-67	FINAL REPORT	704	
*68-16956	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO REENTRY SIMULATION PROGRAM (STAR FILE, STAR	01-11-67	*68-17030	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)	16-11-64
*68-17065	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK-SECTION 5 CONTROL DATA (STAR FILE,)	00-12-67	STUDY PROJECTS APOLLO MODIFICATIONS	901	
*68-17079	NASA/MSC-HOUSTON, TEXAS AS-503A/AS-504A REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, W68-10,017)	15-12-67	*68-17030	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)	16-11-64
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203		STABILIZATION AND CONTROL SYSTEM Attitude Gyro Assembly		
*68-17019	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT, GYRO MASS UNBALANCE CIRCLE TEST	17-11-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
QUALIFICATION TEST REPORTS AND DATA	302		*68-17186	TRW SYSTEMS/HOUSTON OPERATIONS FIRST CLUSTER AAP MISSION-ATTITUDE STUDIES-FINAL REPORT, TASK MSC/TRW AA-23 (STAR FILE,)	30-12-67
*68-17020	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT, SUPPLEMENT TO THE LEM/ASA QUALIFICATION TEST REPORT	09-09-67	PROGRAM PLAN	601	
TEST AND INSPECTION	308		*68-17319	NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE, W68-10,073)	10-01-68
*68-17208	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION, TEST AND CHECKOUT ANOMALY REPORT NO. 1 (W FILE, W68-)	00-01-68	TEST PLAN	603	
			*68-17319	NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE, W68-10,073)	10-01-68
			STUDY PROJECTS APOLLO MODIFICATIONS	901	
			*68-16943	NASA/MSC-HOUSTON, TEXAS FEASIBILITY OF MANUAL COMPLETION OF A LOI BURN, VOL. 1-IMU DRIFT ABOUT THE PITCH AXIS (W FILE, W67-10886)	15-11-67

STABILIZATION AND CONTROL SYSTEM		Pitch, Yaw, Roll Electronic Control	CREW SYSTEMS	
TOTAL CRAFT AND MISSION ANALYSES		202-01	CFE DESIGN SPECIFICATIONS	
*68-16212	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS-FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-16363	NASA / MSC - HOUSTON / CREW SYSTEM DIV. APOLLO EXTRAVEHICULAR CREW TRANSFER DEVICE, PERFORMANCE AND DESIGN SPECIFICATION
*68-16837	NASA/MSC-HOUSTON, TEXAS THE LUNAR LANDING MISSION SMRCS PROPELLANT BUDGET AS DEFINED FOR THE CONFIGURATION CONTROL BOARD (W FILE. #67-10821)	26-10-67	TECHNICAL DATA, REPORTS, AND ANALYSES	
*68-16942	NASA/MSC-HOUSTON, TEXAS SERVICE MODULE ENTRY CHARACTERISTICS (W FILE. #67-10833)	22-11-67	*68-16929	THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 2- VOL. 2-APPENDIX)
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-16990	THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 2- VOL. 1)
*68-16212	BOEING CO. / SPACE DIV. APOLLO LATERAL LOADS ANALYSIS-FLIGHT LOADS (FALL) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67	*68-17244	TRW SYSTEMS/HOUSTON OPERATIONS TRANSMITTAL OF REVISED ROUGH DRAFT OF THE VISIBILITY PROJECTS REPORT, TASK MSC/TRW ASP0-68
*68-16857	BOEING CO. / SPACE DIV. SATURN V LAUNCH VEHICLE GUIDANCE AND NAVIGATION EQUATIONS, SA-502	15-11-66	TOTAL CRAFT AND MISSION ANALYSES	
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-16944	NASA/MSC-HOUSTON, TEXAS AS-504/CSM-103/LM-3 MISSION PROFILE (W-FILE. #67-10887)
*68-16252	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. STABILIZATION AND CONTROL SUBSYSTEM DEVELOPMENT PLAN	30-01-66	PRELIMINARY DESIGN AND REQUIREMENTS	
INTERFACE CONTROL (SYSTEMS)		207	*67-15648	GARRETT CORP./AIRESEARCH MFG. DIV. EXTENDED MISSION APOLLO ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM EXTENDED MISSIONS PARAMETRIC DESIGN ANALYSIS-VOL. 2, PARTS 1 AND 2
*68-16259	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENTRY-G AND M/SCS INTERFACE STUDY	11-08-65	*67-15649	GARRETT CORP./AIRESEARCH MFG. DIV. ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM FOR APOLLO APPLICATION PROGRAM
STUDY PROJECTS APOLLO MODIFICATIONS		901	*68-16526	PERKIN - ELMER SPACECRAFT CABIN ANALYZER MASS PROPERTIES REPORT
*68-16943	NASA/MSC-HOUSTON, TEXAS FEASIBILITY OF MANUAL COMPLETION OF A LOI BURN, VOL. I-IMU DRIFT ABOUT THE PITCH AXIS (W FILE. #67-10886)	15-11-67	DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS	
S/C CONTROL PROGRAMERS			*68-16247	AUTONETICS/DIVISION NORTH AMERICAN ELECTRONIC/ELECTRICAL/ELECTRO-MECHANICAL PARTS LIST FOR CREWMAN OPTICAL ALIGNMENT SIGHT, MODEL 114A
QUALIFICATION STATUS LIST		301	*68-16527	PERKIN - ELMER SPACECRAFT CABIN ANALYZER DRAWING AND SPECIFICATION LIST
*68-16399	GENERAL TIME CORP./ACRONETICS DIV. CENTRAL TIMING EQUIPMENT BLOCK 2 MONTHLY PROGRESS REPORT	00-04-67	*68-16528	PERKIN - ELMER SPACECRAFT CABIN ANALYZER DOCUMENTATION
MONTHLY PROGRESS REPORT		701	*68-16534	DAVID CLARK INC. APOLLO DOCUMENTATION STATUS REPORT
*68-16399	GENERAL TIME CORP./ACRONETICS DIV. CENTRAL TIMING EQUIPMENT BLOCK 2 MONTHLY PROGRESS REPORT	00-04-67	FLIGHT CREW PERFORMANCE CRITERIA	
S/C CONTROL PROGRAMERS		Mission Control Programers	*68-16927	THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 1- VOLUME 1)
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-16928	THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 1- VOLUME 2)
*67-15308	PHILCO CORP. / WDL DIV. MULTI-CHANNEL DEMULTIPLEXER AND DISTRIBUTOR PROGRAMMING INSTRUCTIONS (MF D REVISIONS NOT COLLATED)	04-05-67	RELIABILITY PLAN	
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-16903	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT) INTENDED FOR USE AAP MISSIONS
*68-16255	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. AUTOMATED CONTROL SUBSYSTEM DEVELOPMENT PLAN	01-04-65	*68-16904	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT. FURNISHED EXPERIMENTAL + OPERATIONAL SUP. INTENDED FOR USE IN AAP MISS

SYSTEMS INDEX

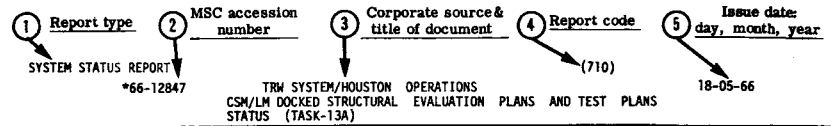


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CREW SYSTEMS - Continued			CREW SYSTEMS - Continued	Personal Equipment	
QUALITY PLAN		609	*68-16361	DAVID CLARK INC. APOLLO BLOCK 1 PARTS AND MATERIALS LIST	04-11-66
*68-16903	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT) INTENDED FOR USE AAP MISSIONS	15-08-67	DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS 206		
*68-16904	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT. FURNISHED EXPERIMENTAL + OPERATIONAL SUP. INTENDED FOR USE IN AAP MISS	15-08-67	*68-16445	DAVID CLARK INC. APOLLO DOCUMENTATION STATUS REPORT	09-08-67
DOCUMENTATION PLAN		610-01	QUALIFICATION TEST REPORTS AND DATA 302		
*68-16534	DAVID CLARK INC. APOLLO DOCUMENTATION STATUS REPORT	11-09-67	*68-16367	NASA / MSC - HOUSTON / CREW SYSTEM DIV. QUALIFICATION TEST OF THE APOLLO BLOCK 1 HELMET BI-LOCK ASSEMBLY	06-05-67
MONTHLY PROGRESS REPORT		701	END ITEM TEST PLAN 311		
*68-16525	PERKIN - ELMER SPACECRAFT CABIN ANALYZER MONTHLY PROGRESS REPORT NO. 1	00-09-67	*68-16366	NASA / MSC - HOUSTON / CREW SYSTEM DIV. QUALIFICATION TEST PLAN AND PROCED. FOR HELMET BI-LOCK ASSY. (P/N 41744-001) FOR APOLLO BLOCK 1 MISSIONS	13-01-67
MATERIALS REPORT		703	CREW SYSTEMS	Personal Equipment	constant wear communication assembly
*68-16529	PERKIN - ELMER SPACECRAFT CABIN ANALYZER WHERE USED PARTS LIST	00-09-67	ACCEPTANCE TEST DATA SHEETS		303
STUDY PROJECTS APOLLO MODIFICATIONS		901	*67-14493	DAVID CLARK INC. PRE-INSTALLATION ACCEPTANCE TEST PLAN AND PROCEDURES FOR APOLLO BLOCK 1 LIGHTWEIGHT HEADSET P/N A-2013-000	21-11-66
*68-16903	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT) INTENDED FOR USE AAP MISSIONS	15-08-67	TEST PLAN		603
*68-16904	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT. FURNISHED EXPERIMENTAL + OPERATIONAL SUP. INTENDED FOR USE IN AAP MISS	15-08-67	*67-14493	DAVID CLARK INC. PRE-INSTALLATION ACCEPTANCE TEST PLAN AND PROCEDURES FOR APOLLO BLOCK 1 LIGHTWEIGHT HEADSET P/N A-2013-000	21-11-66
CREW SYSTEMS	Couches, Restraint Equipment		MONTHLY PROGRESS REPORT		701
MODELING AND SIMULATION		201	*68-16444	DAVID CLARK INC. APOLLO-EMU COMMUNICATIONS CARRIER A-2C, PROGRESS REPORT (1 JULY 1967 TO 31 JULY 1967)	31-07-67
*68-17317	WALTER KIDDE CO/WEBER AIRCRAFT DIV. APOLLO STOWABLE NET COUCH, PHASE 3 FINAL REPORT (STAR FILE.)	00-03-67	*68-16535	DAVID CLARK INC. APOLLO-EMU COMMUNICATIONS CARRIER A-2C 1 TO 31 AUGUST 1967 PROGRESS REPORT	11-09-67
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203	CREW SYSTEMS	Personal Equipment	space suits and other garments
*68-17316	WALTER KIDDE CO/WEBER AIRCRAFT DIV. PHASE 1 AND 2 FINAL REPORT ON THE DEVELOPMENT OF A NET COUCH- RESTRAINT SYSTEM (STAR FILE.)	00-08-66	CFE SYSTEMS SPECIFICATIONS		102-01
*68-17317	WALTER KIDDE CO/WEBER AIRCRAFT DIV. APOLLO STOWABLE NET COUCH, PHASE 3 FINAL REPORT (STAR FILE.)	00-03-67	*68-16818	WHIRLPOOL CORP./LIFE SUPPORT DEPT. CEI DETAIL SPEC. (PRIME), WHIRLPOOL P/N 14-0108-01, 14-02 1, 14-283-1, -2, -3, URINE COLLECTION TRANSFER SYS., APOLLO BLK. 2 EMU/PGA WMS	02-05-67
CREW SYSTEMS	Personal Equipment		CFE DESIGN SPECIFICATIONS		102-03
CFE SPECIFICATIONS GENERAL		102	*68-16775	NASA / MSC - HOUSTON / CREW SYSTEM DIV. INFIGHT COVERALL GARMENT FOR APOLLO EMU, BLOCK 2, CEI SPEC. (IDENT. ITEM) PERFORMANCE/DESIGN/PRODUCTION CONFIG. REQ.	25-09-67
*68-16359	DAVID CLARK INC. APOLLO BLOCK 1 BOOT ASSEMBLY SPECIFICATION	26-07-66	*68-16776	NASA / MSC - HOUSTON / CREW SYSTEM DIV. CONSTANT WEAR GARMENT FOR APOLLO EMU, BLOCK 2, CEI DETAILED SPEC. (IDENT. ITEM) PERFORMANCE/DESIGN/PRODUCTION CONFIG. REQUIREMENTS	25-09-67
*68-16360	DAVID CLARK INC. APOLLO BLOCK 1 PARTS AND MATERIALS LIST	07-12-66			

CREW SYSTEMS - Continued	Personal Equipment	space suits and other garments	CREW SYSTEMS	Personal Equipment	space suit bioinstrumentation
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	INTERFACE CONTROL (SYSTEMS)		207
*68-16933 NASA / MSC - HOUSTON / CREW SYSTEM DIV. APOLLO BLOCK 2 EMU PRESSURE GARMENT ASSEMBLY		26-11-67	*68-16253 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXPERIMENT IMPLEMENTATION PLAN FOR SPACECRAFT 012 (AS-204A)		15-03-66
*68-16934 NASA / MSC - HOUSTON / CREW SYSTEM DIV. NOMETALLIC MATERIALS STATUS FOR EMU ALTITUDE VERIFICATION TESTS		17-11-67	.....	
TEST AND INSPECTION		308	QUALIFICATION TEST REPORTS AND DATA		302
*68-16817 WHIRLPOOL CORP./LIFE SUPPORT DEPT. URINE COLLECTION TRANSFER ASSEMBLY INSPECTION PLAN, WHIRLPOOL P/N 14-0108-01 AND 14-283, APOLLO, BLOCK 2		11-09-67	*68-16358 SPACE LABS, INC. QUALIFICATION TEST REPORT FOR APOLLO BIOMEDICAL INSTRUMENTATION SYS.		15-04-66
END ITEM TEST AND INSPECTION PROCEDURES		312	*68-16362 SPACE LABS, INC. QUALIFICATION TEST PROCEDURE FOR APOLLO BIOINSTRUMENTATION SYSTEM		07-07-65
*68-16774 NASA / MSC - HOUSTON / CREW SYSTEM DIV. RECEIVING AND INSPECTION PLAN AND PROCEDURE FOR EMU GARMENT AND GARMENT ACCESSORIES		07-08-67	MONTHLY PROGRESS REPORT		701
*68-16835 GARRETT CORP./AIRESRESEARCH MFG. DIV. ACCEPTANCE TEST PROCEDURE, SUIT HEAT EXCHANGER AIRESRESEARCH PART NO. 813000-SERIES, (ECS ITEM 1,29)		09-04-66	*68-16344 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		31-07-65
TEST PLAN		603	*68-16345 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		30-06-65
*68-16892 NASA/MSC-HOUSTON, TEXAS APOLLO TEST PLAN SUMMARY		00-01-66	*68-16346 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		31-05-65
MONTHLY PROGRESS REPORT		701	*68-16347 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		30-04-65
*68-16875 INTERNATIONAL LATEX CORP. APOLLO EMU GARMENT PROGRAM MONTHLY PROGRESS REPORT (FOR THE PERIOD OCTOBER 1, 1967 THROUGH OCTOBER 31, 1967)		01-11-67	*68-16348 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		15-04-65
*68-17024 INTERNATIONAL LATEX CORP. APOLLO EMU GARMENT PROGRAM MONTHLY PROGRESS REPORT		01-12-67	*68-16349 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		01-04-65
*68-17209 INTERNATIONAL LATEX CORP. APOLLO EMU GARMENT PROGRAM MONTHLY PROGRESS REPORT, DEC. 1-DEC. 31- 1967		01-01-68	*68-16350 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		01-04-65
CREW SYSTEMS	Personal Equipment	space suit umbilical, hose/tether line	*68-16351 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		01-03-65
CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION		102-03-001	*68-16352 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		30-11-64
*68-16524 NASA / MSC - HOUSTON / CREW SYSTEM DIV. AN OXYGEN COMPATIBILITY AND SAFETY AUDIT OF APOLLO EMU PLSS AND ASSOCIATED AIRBORNE EQUIPMENT COMPONENTS, PARTS, AND MATERIALS		07-09-65	*68-16353 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		31-10-67
CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002	*68-16354 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		30-09-64
*68-17125 NASA / MSC - HOUSTON / CREW SYSTEM DIV. SERVICING + DESERVICING PROCEDURE APOLLO PAD EMERGENCY AIR PACK (PEAP) SEB 36102253		28-11-67	*68-16355 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		31-08-64
*68-17126 NASA / MSC - HOUSTON / CREW SYSTEM DIV. MASTER END ITEM/CONTRACT END ITEM DETAIL SPECIFICATION (PRIME EQUIPMENT) PART 1 FOR APOLLO PAD EMERGENCY AIR PACK (PEAP)		01-12-67	*68-16356 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR		31-07-64
QUALIFICATION TEST REPORTS AND DATA		302	FINAL REPORT		704
*68-16789 NASA / MSC - HOUSTON / CREW SYSTEM DIV. QUALIFICATION TEST REPORT FOR MICRODOT-AIRLOCK CONNECTORS (SUIT INTER- FACE CONNECTOR) BLOCK 2		03-10-67	*68-16357 PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION OF AN EXT. BIOSENSOR FOR CONTINUOUS DETERMINATION OF BLOOD OXYGENATION BASED UPON OPTICAL BACKSCATTER SYS.		01-11-65
*68-17365 NASA / MSC - HOUSTON / CREW SYSTEM DIV. TEST PROCED FOR OXYGEN + HUMIDITY ENVIR QUAL TEST OF APOLLO EMU COMPONENTS, A7L DESIGN LIMIT TESTS-PHASE 2		08-12-67			
END ITEM TEST PLAN		311			
*68-17127 NASA / MSC - HOUSTON / CREW SYSTEM DIV. INTERIM PRE-INSTALLATION ACCEPTANCE TEST PROCEDURE FOR A6L (MODIFIED) AND A7L PRESSURE GARMENT ASSEMBLY-APOLLO BLOCK 2		14-11-67			

SYSTEMS INDEX

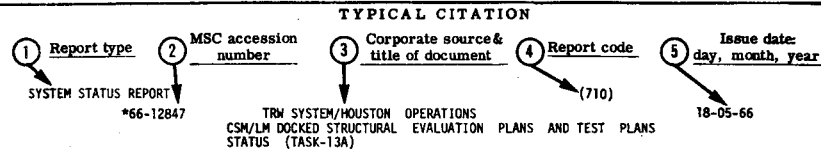
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CREW SYSTEMS	Personal Equipment	personal radiation dosimeter	CREW SYSTEMS	Personal Equipment	portable life support system
	PRELIMINARY DESIGN AND REQUIREMENTS	204		CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	102-03-001
*68-16193	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, NUCLEAR RADIATION INSTRUMENTATION SYSTEM AND DISPLAY REQUIREMENTS	00-00-00	*68-16524	NASA / MSC - HOUSTON / CREW SYSTEM DIV, AN OXYGEN COMPATIBILITY AND SAFETY AUDIT OF APOLLO EMU PLSS AND ASSOCIATED AIRBORNE EQUIPMENT COMPONENTS, PARTS, AND MATERIALS TECHNICAL DATA, REPORTS, AND ANALYSES	07-09-65 202
CREW SYSTEMS	Personal Equipment	physiological monitoring instruments	*68-17364	NASA / MSC - HOUSTON / CREW SYSTEM DIV, FAILURE MODES AND EFFECTS ANALYSIS FOR APOLLO PAD EMERGENCY AIR PACK CEI SEB 36102253	08-12-67
	MONTHLY PROGRESS REPORT	701		INTERFACE CONTROL (SYSTEMS)	207
*68-16344	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	31-07-65	*68-16253	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, EXPERIMENT IMPLEMENTATION PLAN FOR SPACECRAFT 012 (AS-204A) RELIABILITY ANALYSIS, DESIGN REVIEW	15-03-66 401
*68-16345	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	30-06-65	*68-17364	NASA / MSC - HOUSTON / CREW SYSTEM DIV, FAILURE MODES AND EFFECTS ANALYSIS FOR APOLLO PAD EMERGENCY AIR PACK CEI SEB 36102253	08-12-67
*68-16346	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	31-05-65		RELIABILITY PLAN	600
*68-16347	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	30-04-65	*67-15939	ARDE INC, APOLLO BLOCK 1, ARDE P/N J 3460, RELIABILITY PROGRAM PLAN URINE SAMPLE VOLUME MEASUREMENT SYSTEM	01-10-65
*68-16348	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	15-04-65		CONFIGURATION MANAGEMENT PLAN	610
*68-16349	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	01-04-65	*67-15938	ARDE INC, BLOCK 1, ARDE P/N J 3460, MANAGEMENT PLAN URINE SAMPLE VOLUME MEASUREMENT SYSTEM	27-09-65
*68-16350	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	01-04-65		CREW SYSTEMS	Waste Management System
*68-16351	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	01-03-65		CPE PERFORMANCE AND INTERFACE SPECIFICATIONS	101
*68-16352	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	30-11-64	*67-15940	ARDE INC, APOLLO BLOCK 1, ARDE P/N J 3460, URINE VOLUME MEASUREMENT SYSTEM-TEST SPECIFICATION, DESIGN AND QUALIFICATION	00-00-00
*68-16353	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	31-10-67		CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	102-03-001
*68-16354	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	30-09-64	*67-15940	ARDE INC, APOLLO BLOCK 1, ARDE P/N J 3460, URINE VOLUME MEASUREMENT SYSTEM-TEST SPECIFICATION, DESIGN AND QUALIFICATION	00-00-00
*68-16355	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	31-08-64		DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01
*68-16356	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION AND DEVELOPMENT OF AN EXTERNAL BIOSENSOR	31-07-64	*68-16435	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, QUALIFICATION TESTS FOR THE APOLLO WASTE MANAGEMENT SYSTEM (BLOCK 2) INTERFACE CONTROL (SYSTEMS)	05-05-67 207
FINAL REPORT		704	*68-16253	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, EXPERIMENT IMPLEMENTATION PLAN FOR SPACECRAFT 012 (AS-204A) QUALIFICATION TEST REPORTS AND DATA	15-03-66 302
*68-16357	PRESBYTERIAN MEDICAL CENTER / SAN FRANCISCO INVESTIGATION OF AN EXT. BIOSENSOR FOR CONTINUOUS DETERMINATION OF BLOOD OXYGENATION BASED UPON OPTICAL BACKSCATTER SYS.	01-11-65	*68-16435	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, QUALIFICATION TESTS FOR THE APOLLO WASTE MANAGEMENT SYSTEM (BLOCK 2)	05-05-67

CREW SYSTEMS - Continued	Waste Management System	TELECOMMUNICATIONS SYSTEM- Continued
*68-16902 NASA / MSC - HOUSTON / CREW SYSTEM DIV. QUALIFICATION TEST OF THE GFE URINE FLOW INDICATOR (UFI) P/N 14-0119 VIBRATION ENVIRONMENT/FINAL REPORT END ITEM TEST AND INSPECTION PROCEDURES 312	21-08-67	*68-16984 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 3 JULY-SEPT 1969 TASK MSC/TRW A-134 11-10-67
*67-15943 ARDE' INC. APOLLO BLK. 1 ARDE P/N J3460, URINE SAMPLE VOLUME MEASUREMENT SYS./ DESIGN ACPT. TEST PLAN & PROCEDURES 00-00-00		*68-17148 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COMMUNICATION SYSTEMS TASK E-59A TECHNICAL REPORT CSM TELECOMMUNICATIONS SYSTEM ANALYSIS-PART 1 (STAR FILE) 09-01-68
*68-16901 NASA / MSC - HOUSTON / CREW SYSTEM DIV. TEST PROCEDURE FOR THE VIBRATION ENVIRONMENT QUALIFICATION OF THE GFE URINE FLOW INDICATOR (UFI) P/N 14-0119 RELIABILITY TEST AND EVALUATION 405	25-07-67	*68-17421 TRW SYSTEMS/HOUSTON OPERATIONS PHASE ONE REPORT ON THE LTA-8 THERMAL VACUUM S-BAND TESTS, TASK E-59A 31-10-67
*67-15944 ARDE' INC. RELIABILITY PREDICTION AND ESTIMATION, APOLLO BLOCK 1, ARDE P/N J3460 URINE SAMPLE VOLUME MEASUREMENT SYSTEM MANUFACTURING PLAN 604	22-11-65	*68-17444 NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE 00-02-66
*67-15942 ARDE' INC. APOLLO BLOCK 1, ARDE P/N J 3460, URINE SAMPLE VOL. MEASUREMENT SYS., MANUFACTURING PLAN RELIABILITY PLAN 608	00-00-00	*68-17446 NASA/GODDARD SPACE FLIGHT CENTER TRACKING OF A LUNAR TRANSFER ORBIT 00-11-64
*67-15939 ARDE' INC. APOLLO BLOCK 1, ARDE P/N J 3460, RELIABILITY PROGRAM PLAN URINE SAMPLE VOLUME MEASUREMENT SYSTEM CONFIGURATION MANAGEMENT PLAN 610	01-10-65	*68-17448 NASA/GODDARD SPACE FLIGHT CENTER USB/C-BAND PREDICTED TRACKING PERFORMANCE AS-501 TOTAL CRAFT AND MISSION ANALYSES 808-01
*67-15938 ARDE' INC. BLOCK 1, ARDE P/N J 3460, MANAGEMENT PLAN URINE SAMPLE VOLUME MEASUREMENT SYSTEM	27-09-65	*68-16153 TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1) 29-10-65
CREW SYSTEMS Crew Survival Equipment		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
CPE DESIGN SPECIFICATIONS 102-03		*68-17444 NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE 00-02-66
*68-16365 NASA / MSC - HOUSTON / CREW SYSTEM DIV. APOLLO SURVIVAL KIT LANYARD SYSTEM, DESIGN SPECIFICATION FOR TRANSPORTATION AND HANDLING PROCEDURES 907	19-08-66	*68-17448 NASA/GODDARD SPACE FLIGHT CENTER USB/C-BAND PREDICTED TRACKING PERFORMANCE AS-501 TOTAL CRAFT AND MISSION ANALYSES 808-01
*68-16364 NASA / MSC - HOUSTON / CREW SYSTEM DIV. APOLLO LIFE VEST ASSEMBLY PACKING PROCEDURES, REVISION A 29-09-66		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
TELECOMMUNICATIONS SYSTEM		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
CPE SUPPORT SYSTEMS SPECIFICATION 102-01-002		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
*68-17015 COLLINS RADIO CO. DESIGN CRITERIA SPECIFICATION FOR THE GROUND SUPPORT EQUIPMENT OF THE APOLLO C + D SUBSYSTEM TECHNICAL DATA, REPORTS, AND ANALYSES 202	25-07-63	*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
*68-16279 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 1, JANUARY-MARCH 1969, TASK MSC TRW A-134 22-08-67		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
*68-16532 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, SUPPLEMENT TO VOL. 1 AND VOL. 2, JANUARY-JUNE 1969, TASK MSC/TRW A-134 11-09-67		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
*68-16616 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY UNIFIED S-BAND COMMUNICATION SYSTEM ABORT MODE ANALYSIS ASPO TASK 9C 08-09-67		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67
*68-16870 TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF TELEMETRY DEGRADATION DUE TO BACKUP VOICE INTERFERENCE 20-10-67		*68-16987 TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS 13-10-67

SYSTEMS INDEX

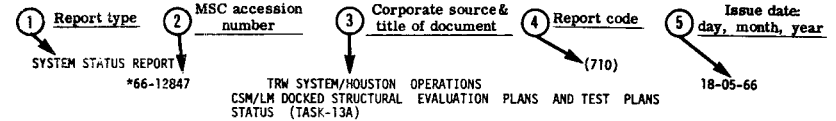


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
TELECOMMUNICATIONS SYSTEM - Continued			TELECOMMUNICATIONS SYSTEM - Continued	RF Equipment Group	
DOCUMENTATION PLAN		610-01	*68-17437	NASA/GODDARD SPACE FLIGHT CENTER APOLLO USB-SYSTEM, MULTISIGNAL PHASE MODULATION PROBLEMS AND SOLUTIONS	21-04-65
*68-16153	TRW SYSTEMS/HOUSTON OPERATIONS OVERALL CRITICAL PARAMETER CONTROL PLAN, TASK ASPO-15 (SUBTASK 1)	29-10-65	*68-17438	NASA/GODDARD SPACE FLIGHT CENTER APOLLO ENTRY RADAR ACQUISITION STUDY	28-05-65
MONTHLY PROGRESS REPORT		701	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-16791	TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY STATUS RPT FOR PERFORM AND I/F SPECS AND I/F CONTROL DOC, COMM SYS CONTROL DOC VALIDATION FOR SC/GND I/F, TASK E-58	01-10-67	*68-16855	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COMMUNICATIONS COMPATIBILITY ANALYSIS FOR MISSION AS-501 (W FILE, W67-10677)(IN-EB-R-67-3, MSC/TRW)	05-06-67
*68-17425	WESTINGHOUSE ELECTRIC CORP, ELEVENTH MONTHLY REPORT FOR APOLLO COMMUNICATION SYSTEM SUPPORT, 31 OCTOBER-30 NOVEMBER, 1967	00-11-67	*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68
QUARTERLY PROGRESS REPORT		701-01	*68-17272	RAYTHEON CO. SPACEBORNE SENSOR STUDY ENGINEERING REPORT PART 2 ANALYTIC SOLUTION-VOL. 1	12-04-63
*68-16891	CORNELL AERONAUTICAL LAB., INC. FIFTH QUARTERLY REPORT FOR PROJECT APOLLO	01-01-67	*68-17273	TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MRFN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT U)	20-01-64
FINAL REPORT		704	COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16884	RCA/ASTRO-ELECTRONICS DIV. (D + D UNDER NAA/SID P.O. M4J3XA-406039) CM, TELEVISION CAMERA, TEST TEARDOWN-EVALUATION, FINAL REPORT.	24-10-67	*68-17273	TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MRFN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT U)	20-01-64
*68-16885	RCA/ASTRO-ELECTRONICS DIV. CM, TELEVISION CAMERA, TEST-TEARDOWN-EVALUATION, FINAL REPORT. (D + D UNDER NAA/SID P.O. M4J3XA-406039), APPENDIX A	30-07-67	INTERFACE CONTROL (SYSTEMS)		207
*68-16886	RCA/ASTRO-ELECTRONICS DIV. CM, TELEVISION CAMERA, TEST TEARDOWN-EVALUATION, FINAL REPORT. (D + D UNDER NAA/SID P.O. M4J3XA-406038), APPENDIX B	30-07-67	*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68
*68-16887	RCA/ASTRO-ELECTRONICS DIV. CM, TELEVISION CAMERA, TEST TEARDOWN-EVALUATION, FINAL REPORT (D + D UNDER NAA/SID P.O. M4J3XA-406038), APPENDIX C	31-07-67	MONTHLY PROGRESS REPORT		701
*68-16888	RCA/ASTRO-ELECTRONICS DIV. CM, TELEVISION CAMERA, TEST-TEARDOWN-EVALUATION, FINAL REPORT, (D + D UNDER NAA/SID P.O. M4J3XA-406038), APPENDIX D	31-07-67	*68-16788	TRW SYSTEMS S-BAND COMMUNICATION AND RANGING STUDY MONTHLY REPORT, TASK ASPO-9	01-09-65
*68-16889	RCA/ASTRO-ELECTRONICS DIV. CM, TELEVISION CAMERA, TEST-TEARDOWN EVALUATION, FINAL REPORT. (D + D UNDER NAA/SID P.O. M4J3XA-406039), APPENDIX E	31-07-67	FINAL REPORT		704
TELECOMMUNICATIONS SYSTEM		RF Equipment Group	*68-17001	BOEING CO. / SPACE DIV. APOLLO UNIFIED S-BAND RADIO FLAME EFFECTS STUDY, FINAL REPORT	10-01-67
TELECOMMUNICATIONS SYSTEM		Data Equipment Group	TECHNICAL DATA, REPORTS, AND ANALYSES		202
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-16790	TRW SYSTEMS/HOUSTON OPERATIONS VHF RANGE PRELIMINARY ERROR ESTIMATE, TASK 52-CSM RANGING STUDY	15-08-67
*68-16790	TRW SYSTEMS/HOUSTON OPERATIONS VHF RANGE PRELIMINARY ERROR ESTIMATE, TASK 52-CSM RANGING STUDY	15-08-67	*68-16856	TRW SYSTEMS APOLLO COMMUNICATION COMPATIBILITY ANALYSIS FOR MISSION AS-501 ADDENDUM-1 NOVEMBER TRAJECTORY (TASK E-9C)	18-10-67
*68-16856	TRW SYSTEMS APOLLO COMMUNICATION COMPATIBILITY ANALYSIS FOR MISSION AS-501 ADDENDUM-1 NOVEMBER TRAJECTORY (TASK E-9C)	18-10-67	*68-16996	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSIONS USING PROGRAM SUNDISK (STAR-) SEC 2 GNCS DATA LINKS	22-11-67
*68-17001	BOEING CO. / SPACE DIV. APOLLO UNIFIED S-BAND RADIO FLAME EFFECTS STUDY, FINAL REPORT	10-01-67	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-17089	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM TECHNICAL REPORT-TASK E-34C, RANGE COVERAGE OF THE CSM RENDEZVOUS RADAR TRANSPONDER	11-12-67	*68-16828	TRW SYSTEMS APOLLO COMMUNICATION COMPATIBILITY ANALYSIS FOR MISSION AS-501 ADDENDUM-1 OCTOBER TRAJECTORY	10-10-67
			*68-16858	TRW SYSTEMS/HOUSTON OPERATIONS FEASIBILITY OF REAL-TIME UTILIZATION OF REENTRY TRACKING SHIP AND REENTRY AIRCRAFT DATA (TASK MSC/TRW A-U41)	31-10-67

TELECOMMUNICATIONS SYSTEM - Continued	Data Equipment Group	TELECOMMUNICATIONS SYSTEM - Continued	Antenna Equipment Group		
*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	15-12-67	*68-16950	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY ANALYSIS OF THE LM AND CSM ANTENNA TRACKING SYSTEMS LM + CSM S-BAND ANTENNA TRACKING STUDIES TASK E-934	24-10-67
*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	15-12-67	*68-17128	NASA/MSC-HOUSTON, TEXAS MULTIPATH EFFECTS OF PARALLELING TWO SPACECRAFT ANTENNAS (W FILE, W67-10,897)	00-11-67
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-17435	NASA/GODDARD SPACE FLIGHT CENTER RADIO VISIBILITY-ANTENNA LOOK ANGLE FORMULATION FOR AN APOLLO ATMOSPHERIC ENTRY	00-05-65
*68-16162	TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR ACS-PHASE 2 UPDATA TESTS,ASPO TASK 9C	15-08-67	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-17184	PHILCO CORP. / WDL DIV. CCATS INTERFACE DATA BOOK	15-06-66	*68-16471	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA,VOLUME 2-APRIL-JUNE 1969, TASK MSC/TRW A-134	01-09-67
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-16828	TRW SYSTEMS APOLLO COMMUNICATION COMPATIBILITY ANALYSIS FOR MISSION AS-501 ADDENDUM-1 OCTOBER TRAJECTORY	10-10-67
*68-16257	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ELECTROMAGNETIC INTERFERENCE CONTROL PLAN (BLOCK 2)	00-07-66	*68-16855	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COMMUNICATIONS COMPATIBILITY ANALYSIS FOR MISSION AS-501 (W FILE,W67-10677)(IN-EB-R-67-3,MSC/TRW)	05-06-67
*68-17366	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. BLOCK 2 APOLLO PCM TELEMETRY REFERENCE DATA	15-01-66	*68-16858	TRW SYSTEMS/HOUSTON OPERATIONS FEASIBILITY OF REAL-TIME UTILIZATION OF REENTRY TRACKING SHIP AND REENTRY AIRCRAFT DATA (TASK MSC/TRW A-U41)	31-10-67
INTERFACE CONTROL (SYSTEMS)		207	*68-16953	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO Cislunar AND LUNAR ORBIT ATTITUDE CONSTRAINTS AND ENVELOPES-VOL. 1	01-10-67
*68-17184	PHILCO CORP. / WDL DIV. CCATS INTERFACE DATA BOOK	15-06-66	END ITEM TEST AND INSPECTION PROCEDURES		312
FINAL REPORT		704	*68-17072	NASA/MSC-HOUSTON, TEXAS OPERATIONAL COMPATIBILITY TESTS OF THE CSM HIGH GAIN ANTENNA SYSTEM (W FILE, W68-10,008)	00-12-67
*68-17032	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL RPT,VOL 18-APOLLO X C AND D SUBSYS STUDY (COLLINS RADIO CD NO. 5230757463-00 101M)	16-11-64	RELIABILITY ANALYSIS,DESIGN REVIEW		401
STUDY PROJECTS APOLLO MODIFICATIONS		901	*68-17250	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION,ANOMALY REPORT NO. 3 (W FILE,W68-10,082)	00-12-67
*68-17032	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL RPT,VOL 18-APOLLO X C AND D SUBSYS STUDY (COLLINS RADIO CD NO. 5230757463-00 101M)	16-11-64	RELIABILITY TEST AND EVALUATION		405
TELECOMMUNICATIONS SYSTEM	Intercommunications Group		*68-17250	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION,ANOMALY REPORT NO. 3 (W FILE,W68-10,082)	00-12-67
GFE INTERFACE SPECIFICATIONS		101-02	TEST PLAN		603
*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE,TASK ASPO E-58	28-09-67	*68-16554	DALMO VICTOR, CO. ELECTROMAGNETIC INTERFERENCE TEST PLAN FOR APOLLO ANTENNA EQUIPMENT HIGH GAIN	00-08-67
TECHNICAL DATA, REPORTS, AND ANALYSES		202	INSTRUMENTATION SYSTEM S/C, CSM		
*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE,TASK ASPO E-58	28-09-67	RELIABILITY ANALYSIS,DESIGN REVIEW		401
*68-16957	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES	00-11-67	*68-17070	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION-ANOMALY REPORT NO. 1 (W FILE, W67-10894)	08-12-67
COMPUTER SOFTWARE AND MECHANIZATION		202-02	INSTRUMENTATION SYSTEM S/C, CSM		
*68-16957	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES	00-11-67	TOTAL CRAFT AND MISSION ANALYSES		202-01
TELECOMMUNICATIONS SYSTEM	Antenna Equipment Group		*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	15-12-67
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	15-12-67
*68-16856	TRW SYSTEMS APOLLO COMMUNICATION COMPATIBILITY ANALYSIS FOR MISSION AS-501 ADDENDUM-1 NOVEMBER TRAJECTORY (TASK E-9C)	18-10-67			

SYSTEMS INDEX

TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
INSTRUMENTATION SYSTEM S/C, CSM - Continued	Operational Instrumentation		CONTROL AND DISPLAYS		
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-17023 RCA/ASTRO-ELECTRONICS DIV. APOLLO COMMAND MODULE TELEVISION CAMERA TEST-TEARDOWN (STAR FILE, STAR)		13-12-67	*68-16957 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES		00-11-67
INSTRUMENTATION SYSTEM S/C, CSM	Special Instrumentation		*68-17016 GRUMMAN AIRCRAFT ENGINEERING CORP. MEASUREMENT CHANNEL IDENTIFICATION MATRIX VEHICLE LM-LTA-8		25-09-67
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-17287 NASA/MSC-HOUSTON, TEXAS STATUS REPORT ON THE LUNAR MISSION ENTRY MONITORING AND BACKUP MODE DEVELOPMENT (W FILE, W68-10.081)		22-01-68
*68-17175 PHILCO CORP. / WDL DIV. PERFORMANCE COMPARISON TESTING OF APOLLO SCAN CONVERTERS		27-10-67	COMPUTER SOFTWARE AND MECHANIZATION		202-02
MONTHLY PROGRESS REPORT		701	*68-16957 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATION PLAN FOR MANNED CM EARTH ORBITAL MISSION USING PROGRAM SUNDISK SECTION 4 GNCS OPERATIONAL MODES		00-11-67
*68-16621 PHILCO CORP. / WDL DIV. MONTHLY STATUS REPORT APOLLO VPS PROGRAM		08-09-67	DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01
SYSTEM STATUS REPORT		710	*68-16256 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DISPLAYS AND CONTROLS SUBSYSTEM DEVELOPMENT PLAN		01-04-65
*68-16621 PHILCO CORP. / WDL DIV. MONTHLY STATUS REPORT APOLLO VPS PROGRAM		08-09-67	PRELIMINARY DESIGN AND REQUIREMENTS		204
INSTRUMENTATION SYSTEM S/C, CSM	Scientific Instrumentation		*68-16201 MIT INSTRUMENTATION LAB APOLLO GUIDANCE AND NAVIGATION TEST DATA PROGRAM PLAN		00-07-65
TOTAL CRAFT AND MISSION ANALYSES		202-01	FLIGHT CREW PERFORMANCE CRITERIA		211
*68-17176 PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS		30-06-67	*68-16927 THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 1- VOLUME 1)		00-06-66
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-16928 THE MARTIN CO./DENVER ANALYSIS OF CREW PERFORMANCE IN THE APOLLO COMMAND MODULE (PHASE 1- VOLUME 2)		00-06-66
*68-17176 PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS		30-06-67	QUALIFICATION TEST REPORTS AND DATA		302
INSTRUMENTATION SYSTEM S/C, CSM	Flight Qualification Instrumentation		*68-16198 MINNEAPOLIS-HONEYWELL/AERO DIV. REPORT OF POST QUALIFICATION TEST ON JG 91241 FLAG INDICATOR		00-07-67
PRELIMINARY DESIGN AND REQUIREMENTS		204	DOCKING SYSTEM		
*68-16640 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO MEASUREMENT REQUIREMENTS RP 6 (U)		26-04-63	COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16641 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA,TRAJECTORIES,AND HEATING RATES FOR THE APOLLO CM HEAT SHIELD-VOL 1 (U)		07-06-63	*68-16218 BOEING CO. / SPACE DIV. APOLLO DOCKING ANALYSIS (ADA) COMPUTER PROGRAM USERS MANUAL FINAL REPORT		00-05-67
*68-16642 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA,TRAJECTORIES,AND HEATING RATES FOR THE APOLLO COMMAND MODULE HEAT SHIELD-VOL 2 (U)		07-06-63	INTERFACE CONTROL (SYSTEMS)		207
*68-16643 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA,TRAJECTORIES,AND HEATING RATES FOR THE APOLLO COMMAND MODULE HEAT SHIELD-VOL 3 (U)		07-06-63	*68-16224 BOEING CO. / SPACE DIV. DOCKING ANALYSIS FINAL REPORT		06-05-67
*68-16644 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DESIGN CRITERIA,TRAJECTORIES,AND HEATING RATES FOR THE APOLLO CM HEAT SHIELD-VOL 4 (U)		07-06-63			

LEM CRAFT

OFF SPECIFICATIONS GENERAL

102

*68-16283 GRUMMAN AIRCRAFT ENGINEERING CORP.
SELECTION AND ASSIGNMENT OF CONTROLLED ENVIRONMENTAL FACILITIES (CEF)
PROCEDURE FOR 07-07-67

MODELING AND SIMULATION

201

*68-10702 GRUMMAN AIRCRAFT ENGINEERING CORP.
SUPPORT MANUAL DESCRIPTION OF LEM TEST ARTICLE LTA-2 10-02-65

*68-17198 GRUMMAN AIRCRAFT ENGINEERING CORP.
NASA INSPECTION AND REVIEW OF LUNAR EXCURSION MODULE M-5 MOCKUP 05-10-64

TECHNICAL DATA, REPORTS, AND ANALYSES

202

*68-16166 TRW SYSTEMS/HOUSTON OPERATIONS
REVISION B DRAFT, LTA-8 TEST PLAN, THERMAL-VACUUM, MSC, TASK ASPO-17-2 20-05-66

*68-16305 TRW SYSTEMS/HOUSTON OPERATIONS
CRITIQUE OF CAEC COMMENTS APOLLO 5 MISSION REQUIREMENTS 17-08-67

*68-16530 TRW SYSTEMS/HOUSTON OPERATIONS
SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING
DISPLAYS, TASK MSC/TRW A-126 18-09-67

*68-16764 TRW SYSTEMS/HOUSTON OPERATIONS
LM DESCENT ANALYSIS ABORTS FROM POWERED DESCENT, TASK MSC/TRW A-125 27-09-67

*68-16851 TRW SYSTEMS/HOUSTON OPERATIONS
FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE
W67-10736) (MSC-IN-67-FM-86, MSC/TRW) 15-08-67

*68-17000 GRUMMAN AIRCRAFT ENGINEERING CORP.
ELEMENTARY FUNCTIONAL DIAGRAMS (EFD) FOR LTA-8 00-00-67

*68-17016 GRUMMAN AIRCRAFT ENGINEERING CORP.
MEASUREMENT CHANNEL IDENTIFICATION MATRIX VEHICLE LM-LTA-8 25-09-67

*68-17087 TRW SYSTEMS/HOUSTON OPERATIONS
LGC/RTCC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116
FLIGHT PROGRAM, TASK MSC/TRW A-97 27-12-67

*68-17097 TRW SYSTEMS/HOUSTON OPERATIONS
RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TESTING OF THE
BURST 120 PROGRAM FOR THE LM-1 MISSION, TASK MSC/TRW A-97 22-12-67

*68-17117 TRW SYSTEMS/HOUSTON OPERATIONS
MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS,
SIVB/LM-1 SEPARATION, VOLUME 1-PR/A/TCA CONTROL (W FILE, W68-10,029) 03-01-68

*68-17132 NASA/MSC-HOUSTON, TEXAS
APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL
TRAJECTORY, VOLUME 3-TRACKING AND ASPECT ANGLE DATA (W FILE, W68-10036) 09-01-68

*68-17133 NASA/MSC-HOUSTON, TEXAS
MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS-SUMMARY
DOCUMENT (W FILE, W68-10028) 08-01-68

*68-17228 NASA/MSC-HOUSTON, TEXAS
APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL
TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE W68-10,035) 29-12-67

*68-17267 TRW SYSTEMS
VISIBILITY DURING LUNAR LANDING, NASA/MSC TASK E36-C (STAR FILE,) 19-01-68

*68-17431 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION
METEOROID EFFECTS ANALYSIS WORK 565-05 LEM PARAMETRIC STUDIES AND
ANALYSIS 22-04-65

*68-17434 NASA/MSC-HOUSTON, TEXAS
VISUAL DETECTION OF THE LANDED LUNAR MODULE BY THE APOLLO COMMAND
MODULE OPTICS (W FILE, W68-10,114) 05-02-68

LEM CRAFT - Continued

TOTAL CRAFT AND MISSION ANALYSES

202-01

*67-19571 TRACERLAB / DIV, LFE
SAFETY ANALYSIS SUMMARY FOR MISSION AS-206 RADIATION SOURCES 15-03-67

*68-16530 TRW SYSTEMS/HOUSTON OPERATIONS
SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING
DISPLAYS, TASK MSC/TRW A-126 18-09-67

*68-16603 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
-LM, TASK MSC/TRW ASPO-15C, PART 3 OF 4 28-04-67

*68-16604 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
-LM, TASK MSC/TRW ASPO-15C, PART 4 OF 4 28-04-67

*68-16764 TRW SYSTEMS/HOUSTON OPERATIONS
LM DESCENT ANALYSIS ABORTS FROM POWERED DESCENT, TASK MSC/TRW A-125 27-09-67

*68-16851 TRW SYSTEMS/HOUSTON OPERATIONS
FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE
W67-10736) (MSC-IN-67-FM-86, MSC/TRW) 15-08-67

*68-17132 NASA/MSC-HOUSTON, TEXAS
APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL
TRAJECTORY, VOLUME 3-TRACKING AND ASPECT ANGLE DATA (W FILE, W68-10036) 09-01-68

*68-17147 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2 11-12-65

*68-17151 TRW SYSTEMS/HOUSTON OPERATIONS
PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C APOLLO 5 204/LM-1 LM
MAIN PROPULSION SUBSYSTEM FLIGHT EVALUATION PLAN 29-12-67

*68-17228 NASA/MSC-HOUSTON, TEXAS
APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL
TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE W68-10,035) 29-12-67

*68-17304 NASA/MSC-HOUSTON, TEXAS
RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON
BOARD OBSERVATIONS (W FILE, W68-10,097) 01-02-68

COMPUTER SOFTWARE AND MECHANIZATION

202-02

*68-16601 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
-LM, TASK MSC/TRW ASPO-15C, PART 1 OF 4 28-04-67

*68-16602 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
LM, TASK MSC/TRW ASPO-15C, PART 2 OF 4 28-04-67

*68-16603 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
-LM, TASK MSC/TRW ASPO-15C, PART 3 OF 4 28-04-67

*68-16604 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL
-LM, TASK MSC/TRW ASPO-15C, PART 4 OF 4 28-04-67

*68-17147 TRW SYSTEMS/HOUSTON OPERATIONS
APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2 11-12-65

*68-17282 NASA/MSC-HOUSTON, TEXAS
A PRELIMINARY MONTE CARLO DISPERSION ANALYSIS ON THE LUNAR LANDING
MISSION (W FILE, W68-10,074) 08-01-68

*68-17304 NASA/MSC-HOUSTON, TEXAS
RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON
BOARD OBSERVATIONS (W FILE, W68-10,097) 01-02-68

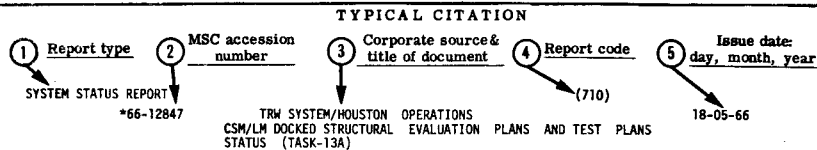
*68-17434 NASA/MSC-HOUSTON, TEXAS
VISUAL DETECTION OF THE LANDED LUNAR MODULE BY THE APOLLO COMMAND
MODULE OPTICS (W FILE, W68-10,114) 05-02-68

DESIGN VERIFICATION, TEST DATA AND REPORTS

203-01

*68-17017 GRUMMAN AIRCRAFT ENGINEERING CORP.
BACKUP/REDUNDANCY MATRIX VEHICLE LM-2 01-09-67

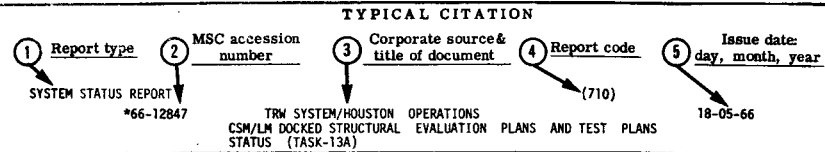
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM CRAFT - Continued			LEM CRAFT - Continued		
PRELIMINARY DESIGN AND REQUIREMENTS		204	END ITEM TEST PLAN		311
*68-16305 TRW SYSTEMS/HOUSTON OPERATIONS CRITIQUE OF GAEC COMMENTS APOLLO 5 MISSION REQUIREMENTS		17-08-67	*68-16503 FAIRCHILD - HILLER / STRATOS DIV. INSTALLATION QUALIFICATION TEST PLAN FOR LEM INTERSTAGE DISCONNECTS		23-08-67
*68-17062 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 5 MISSION REQUIREMENTS, 204/LM-1, B TYPE MISSION, LM DEVELOPMENT-REVISION 5		04-12-67	RELIABILITY ANALYSIS, DESIGN REVIEW		401
.....			*68-16338 AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW		02-11-66
DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS		206	*68-16893 NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966		00-12-66
*66-10715 GRUMMAN AIRCRAFT ENGINEERING CORP. LEM DOCUMENTATION LIST		05-31-66	.....	
*68-16180 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACCEPTANCE CHECKOUT EQUIPMENT, SPACECRAFT, DOCUMENTATION LIST		01-07-67	FAILURE DATA		402
.....			*68-16338 AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW		02-11-66
INTERFACE CONTROL (SYSTEMS)		207	*68-16893 NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966		00-12-66
*67-14700 GRUMMAN AIRCRAFT ENGINEERING CORP.		27-06-66	*68-16894 NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD MARCH AND APRIL, 1966		01-06-66
*68-16601 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL -LM, TASK MSC/TRW ASPD-15C, PART 1 OF 4		28-04-67	*68-16896 NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD JULY AND AUGUST, 1966		00-10-66
*68-16603 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL -LM, TASK MSC/TRW ASPD-15C, PART 3 OF 4		28-04-67	QUARTERLY RELIABILITY STATUS REPORTS		404
*68-16604 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SUBSYSTEMS INTERACTION SIMULATION (ASIS) PROGRAM USERS MANUAL -LM, TASK MSC/TRW ASPD-15C, PART 4 OF 4		28-04-67	*68-17239 NASA/WASHINGTON, D. C. AS-201 MISSION RELIABILITY ANALYSIS (ADDENDUM TO APOLLO R + OA PROGRAM QUARTERLY REPORT OF JAN 7, 1966) (U)		14-01-66
*68-17000 GRUMMAN AIRCRAFT ENGINEERING CORP. ELEMENTARY FUNCTIONAL DIAGRAMS (EFD) FOR LTA-8		00-00-67	.....	
*68-17087 TRW SYSTEMS/HOUSTON OPERATIONS LCC/RICC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116 FLIGHT PROGRAM, TASK MSC/TRW 4-97		27-12-67	S/C DESCRIPTION MANUALS		301-02
MISSION BILEVEL / NUMERICAL DATA		214	*68-16195 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION MODULAR DATA BOOK BLOCK 2 LUNAR MISSION		01-01-67
*66-12277 GRUMMAN AIRCRAFT ENGINEERING CORP. LEM 1,2,3 MEASUREMENTS LIST (REVISION J)		17-10-67	*68-16196 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MISSION MODULAR DATA BOOK FIRST BLOCK 2 MANNED MISSION		01-12-66
*66-12289 GRUMMAN AIRCRAFT ENGINEERING CORP. LTA-2R AND LTA-10R MEASUREMENT LIST		17-03-66	HANDBOOKS FLIGHT CREW OPERATIONS		302
*68-17062 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO 5 MISSION REQUIREMENTS, 204/LM-1, B TYPE MISSION, LM DEVELOPMENT-REVISION 5		04-12-67	*68-16504 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK, LM 2, VOLUME 2		01-01-67
QUALIFICATION TEST REPORTS AND DATA		302	*68-17227 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK-LUNAR MODULE 3, VOLUME 2, OPERATIONAL PROCEDURES		01-01-68
*68-17048 RCA / DEFENSE ELECTRONIC PRODUCTS FINAL TEST REPORT LEM PARTS QUALIFICATION PROGRAM		22-06-67	HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		303
.....			*68-17450 GRUMMAN AIRCRAFT ENGINEERING CORP. SUPPORT MANUAL-TRANSPORTATION AND HANDLING FOR LUNAR MODULE		25-01-68
TEST AND INSPECTION		308	.....	
*68-17199 GRUMMAN AIRCRAFT ENGINEERING CORP. LM-1 CUSTOMER ACCEPTANCE READINESS REVIEW (CARR) REPORT		01-12-66	TRANSPORTATION AND HANDLING PROCEDURES		307
			*68-17450 GRUMMAN AIRCRAFT ENGINEERING CORP. SUPPORT MANUAL-TRANSPORTATION AND HANDLING FOR LUNAR MODULE		25-01-68

LEM CRAFT - Continued		LEM CRAFT - Continued	
TEST PLAN	603		
*66-12295 GRUMMAN AIRCRAFT ENGINEERING CORP. LTA-10R AND LTA-2R FLIGHT MODULE DETAILED TEST PLAN MISSION AS-501 AND AS-502	15-03-66	*68-16161 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 APRIL 1967 TO 15 JULY 1967	01-08-67
*66-12526 GRUMMAN AIRCRAFT ENGINEERING CORP. LTA-10R FACTORY OPERATIONS TEST PLAN	02-06-66	*68-17451 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 OCTOBER 1967 TO 15 JANUARY 1968	01-02-68
*67-14138 GRUMMAN AIRCRAFT ENGINEERING CORP. LM-3 FACTORY OPERATIONS TEST PLAN	15-12-66	FINAL REPORT	704
*67-14559 GRUMMAN AIRCRAFT ENGINEERING CORP. GAEC-KSC OPERATION TEST PLAN FOR LM TEST ARTICLE 10R	15-10-66	*68-17057 BOEING CO. / SPACE DIV. PARAMETRIC VISION SIMULATION STUDY-FINAL REPORT-PART 1 (STAR FILE, STAR,)	08-12-67
*67-14675 GRUMMAN AIRCRAFT ENGINEERING CORP. MSC-1 (ESI,LTA-1) TEST PLAN,HOUSE SPACECRAFT (ELECTRONICS INTEGRATION	01-11-65	*68-17058 BOEING CO. / SPACE DIV. PARAMETRIC VISION SIMULATION STUDY-FINAL REPORT-PART 2 (STAR,)	00-00-67
*68-16160 TRW SYSTEMS/HOUSTON OPERATIONS REVIEW OF LTA-8 TEST PLAN THERMAL-VACUUM-MSC,TASK ASPO-17-2	30-12-65	WEIGHT AND BALANCE STATUS REPORT	711
*68-16166 TRW SYSTEMS/HOUSTON OPERATIONS REVISION B DRAFT,LTA-8 TEST PLAN,THERMAL-VACUUM-MSC,TASK ASPO-17-2	20-05-66	*68-17360 GRUMMAN AIRCRAFT ENGINEERING CORP. LM MONTHLY MASS PROPERTY STATUS REPORT	01-12-67
*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS,OF CSM,GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS,BLOCK 2 S/C	00-09-65		
*68-16892 NASA/MSC-HOUSTON, TEXAS APOLLO TEST PLAN SUMMARY	00-01-66		
SUPPORT PLAN	606	LEM CRAFT	Structures, Weights
*68-17114 NASA/MSC-HOUSTON, TEXAS OPERATIONAL SUPPORT PLAN FOR THE REAL-TIME AUXILIARY COMPUTING FACILITY-APOLLO 5 FLIGHT ANNEX (W FILE, W68-10,016)	09-01-68	STRUCTURAL DYNAMICS/THERMAL TEST CRAFT	201-01
TRAINING PLAN	607	*68-16226 BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
*68-17215 GRUMMAN AIRCRAFT ENGINEERING CORP. LEM GROUND CREW TRAINING PLAN-SUPPLEMENT NO. 1 15 APRIL 1966	18-02-66	TECHNICAL DATA, REPORTS, AND ANALYSES	202
QUALITY PLAN	609	*68-16226 BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67
*68-16626 CONTROL DATA CORP. QUALITY PROGRAM PLAN NASA ACE PROGRAM	22-06-64	*68-16907 TRW SYSTEMS/HOUSTON OPERATIONS EFFECT LI DESTRUCT ACTION ON SERVICE MODULE,LUNAR MODULE,SPACECRAFT LM ADAPTER MISSION AS-503 (W FILE,W67-10,412) (IN-67-FH-32,MSC/TRW)	03-03-67
CONFIGURATION MANAGEMENT PLAN	610	*68-16986 TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR HALF-FULL CSM/LM DOCKED VEHICLE	20-11-67
*68-16368 NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS,OF CSM,GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS,BLOCK 2 S/C	00-09-65	TOTAL CRAFT AND MISSION ANALYSES	202-01
MONTHLY PROGRESS REPORT	701	*68-16229 BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE,FINAL REPORT,MAY 1967	00-05-67
*68-16159 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM,MONTHLY PROGRESS REPORT, PERIOD 1 MARCH 1966-31 MARCH,1966	31-03-66	*68-16230 BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT,FINAL REPORT MAY 1967	00-05-67
*68-17025 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM MONTHLY PROGRESS REPORT	11-09-67	*68-16231 BOEING CO. / SPACE DIV. PROGRAM SUMMARY,FINAL REPORT MAY 1967	00-05-67
*68-17040 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY PROGRESS REPORT-APOLLO SPACECRAFT SYSTEMS ANALYSIS PROJECT,PERIOD FROM 1 NOVEMBER TO 30 NOVEMBER 1967	15-12-65	*68-16470 GRUMMAN AIRCRAFT ENGINEERING CORP. MISSION COMPATIBILITY ANALYSIS	04-08-67
QUARTERLY PROGRESS REPORT	701-01	*68-16941 NASA/MSC-HOUSTON, TEXAS LM INERT WEIGHT-PERFORMANCE CHARTS FOR LUNAR LANDING MISSION (W FILE, W67-10884)	04-12-67
*67-15638 BELLCOMM, INC. QUARTERLY PROGRESS REPORT FOR JAN. FEB. MARCH 1967	01-05-67	COMPUTER SOFTWARE AND MECHANIZATION	202-02
		*68-16218 BOEING CO. / SPACE DIV. APOLLO DOCKING ANALYSIS (ADA) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
		*68-16222 BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT	00-05-67
		*68-16225 BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67

SYSTEMS INDEX

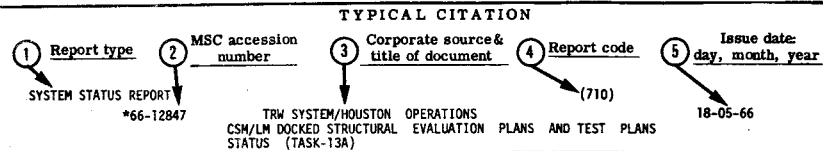


38

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM CRAFT - Continued	Structures, Weights		LEM CRAFT - Continued	Structures, Weights	
*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67	*68-16229	BOEING CO. / SPACE DIV. INPUT DATA-LAUNCH VEHICLE, FINAL REPORT, MAY 1967	00-05-67
.....				
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203			.....	
*68-16649	MIT INSTRUMENTATION LAB BLOCK 2 AND LEM GUIDANCE AND NAVIGATION SYS WEIGHTS AND POWER REQUIREMENTS REPORTED STATUS-NOV 1965 (U)	00-11-65	*68-16230	BOEING CO. / SPACE DIV. INPUT DATA-SPACECRAFT, FINAL REPORT MAY 1967	00-05-67
.....				
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			*68-16231	BOEING CO. / SPACE DIV. PROGRAM SUMMARY, FINAL REPORT MAY 1967	00-05-67
.....				
*67-14514	GRUMMAN AIRCRAFT ENGINEERING CORP. TEST RESULTS OF THE EVALUATION OF THE UPPER DOCKING HATCH/SEAL DURING REVERSE PRESSURE LOADING	08-08-66	WEIGHT AND BALANCE STATUS REPORT 711		
*67-14584	GRUMMAN AIRCRAFT ENGINEERING CORP. TEST PROJECT ENGINEERING REPORT, BALLAST SYSTEM LEAK CHECK LTA-107 DESCENT STAGE, OCP-K-43000-LTA-107	23-09-66	*66-13494	GRUMMAN AIRCRAFT ENGINEERING CORP. LTA-107 ACTUAL WEIGHT REPORT	21-09-66
.....				
QUALIFICATION TEST REPORTS AND DATA 302			*68-16202	GRUMMAN AIRCRAFT ENGINEERING CORP. LM MONTHLY MASS PROPERTY STATUS REPORT	01-08-67
*68-16282	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF LM HATCH-SEAL LEAK RATE AND FATIGUE TEST	19-07-67	*68-16758	GRUMMAN AIRCRAFT ENGINEERING CORP. LM MONTHLY MASS PROPERTY STATUS REPORT	01-09-67
.....				
*68-16747	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF STRUCTURAL TEST OF LM ASCENT ENGINE SUPPORT STRUCTURE LCQ-560-309	03-08-67	LEM CRAFT Structures, Weights landing gear		
*68-16756	EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO, LCQ-390-009	29-09-67	COMPUTER SOFTWARE AND MECHANIZATION 202-02		
.....				
ACCEPTANCE TEST DATA SHEETS 303			*68-16221	BOEING CO. / SPACE DIV. APOLLO LUNAR LANDING ANALYSIS (ALLA) COMPUTER PROGRAM USERS MANUAL FINAL REPORT	00-05-67
*68-16756	EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO, LCQ-390-009	29-09-67	*68-16228	BOEING CO. / SPACE DIV. LUNAR LANDING STATISTICAL LOADS ANALYSIS FINAL REPORT	00-05-67
.....				
END ITEM TEST AND INSPECTION PROCEDURES 312			DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203		
*68-16342	GRUMMAN AIRCRAFT ENGINEERING CORP. PROCEDURE FOR STRUCTURAL TEST OF LM ASCENT ENGINE SUPPORT STRUCTURE (LCQ-560-309)	21-09-67	*68-16281	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF TESTS ON THE 167 (10-7-4) LANDING GEAR HONEYCOMB CARTRIDGES-BLOCK 1	16-06-67
.....				
SUPPORT EQUIPMENT DESCRIPTION MANUALS 303-02			DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01		
*66-10528	GRUMMAN AIRCRAFT ENGINEERING CORP. LEM SUPPORT MANUAL DESCRIPTION OF LEM TEST ARTICLE LTA-10	20-04-65	*68-16475	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF STRUCTURAL TESTS OF THE 167 (10-7-4) LANDING GEAR DEPLOYMENT TRUSS	19-07-67
.....				
TRANSPORTATION AND HANDLING PROCEDURES 307			*68-17375	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF THE STRUCTURAL TESTS OF THE 167 (10-7-4) LANDING GEAR PRIMARY STRUT	18-09-67
*67-13983	GRUMMAN AIRCRAFT ENGINEERING CORP. TRANSPORTATION AND HANDLING FOR LUNAR MODULE, LM-1, SUPPORT MANUAL	15-05-67	QUALIFICATION TEST REPORTS AND DATA 302		
.....				
FINAL REPORT 704			*68-17004	SPACE ORDNANCE SYSTEMS QUALIFICATION TEST REPORT-PRESSURE CARTRIDGE ASSEMBLY	10-10-67
*68-16222	BOEING CO. / SPACE DIV. LONGITUDINAL DYNAMICS AND STAGING LAUNCH VEHICLE FINAL REPORT	00-05-67	*68-17361	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF DROP TEST FOR CERTIFICATION OF THE LUNAR SURFACE SENSING PROBE	21-08-67
*68-16225	BOEING CO. / SPACE DIV. SPACECRAFT DYNAMICS FINAL REPORT	00-05-67	CERTIFICATION TEST NETWORKS AND REQUIREMENTS 316		
*68-16226	BOEING CO. / SPACE DIV. SPACECRAFT VIBRATION MODE ANALYSIS FINAL REPORT	00-05-67	*68-17361	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF DROP TEST FOR CERTIFICATION OF THE LUNAR SURFACE SENSING PROBE	21-08-67

LEM CRAFT - Continued		Structures, Weights	landing gear	LEM CRAFT - Continued	Ascent Stage	
MONTHLY PROGRESS REPORT		704		*68-17306	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION 10-DAY REPORT (W FILE, W68-10,095)	00-02-67
*68-16926	SPACE ORDNANCE SYSTEMS JULY 1967 PROG RPT,PRESS CARTRIDGE ASSY,P/N 1-10527-14(LSC 320-319-1) AND EXPL CARTRIDGE ADAPTER (LSC 320-320-1)		00-07-67	*68-17307	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION-3-DAY REPORT (W FILE W68-10,072) (SUPERSEDED BY MSC-PA-R-68-4A)	25-01-68
LEM CRAFT		Dynamics		COMPUTER SOFTWARE AND MECHANIZATION		202-02
TECHNICAL DATA, REPORTS, AND ANALYSES		202		*68-16845	LING TEMCO VOUGHT INC, RUN TIME OPTIMIZATION (STAR, X-)	29-09-67
*68-16764	TRW SYSTEMS/HOUSTON OPERATIONS LM DESCENT ANALYSIS ABORTS FROM POWERED DESCENT,TASK MSC/TRW A-125		27-09-67	*68-17137	LING TEMCO VOUGHT INC, LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR,VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67
TOTAL CRAFT AND MISSION ANALYSES		202-01		DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203
*68-16764	TRW SYSTEMS/HOUSTON OPERATIONS LM DESCENT ANALYSIS ABORTS FROM POWERED DESCENT,TASK MSC/TRW A-125		27-09-67	*68-16568	EAGLE-PICHER COMPANY DESIGN FEASIBILITY PHASE,DEVELOPMENT PROGRAM-DETAIL TEST REPORT LEM BATTERY,PRIMARY ASCENT AND DESCENT	06-09-67
*68-16940	NASA/MSC-HOUSTON, TEXAS MANUAL LAUNCH FROM THE LUNAR SURFACE USING THE HORIZON FOR ATTITUDE REFERENCE (W FILE, W67-10)		07-12-67	*68-17141	AEROJET-GENERAL CORP, HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK,SERIAL NUMBER 101/TAY -1 (VOL. 2),LVC 282-002-112-(01)	00-00-65
COMPUTER SOFTWARE AND MECHANIZATION		202-02		*68-17369	AEROJET-GENERAL CORP, HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK,SERIAL NO 118-VOL 1	05-02-68
*68-16228	BOEING CO. / SPACE DIV, LUNAR LANDING STATISTICAL LOADS ANALYSIS FINAL REPORT		06-05-67	DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION,TASK MSC/TRW A-97		28-09-67	*66-12316	GRUMMAN AIRCRAFT ENGINEERING CORP, SUMMARY FOR SAFETY PRESSURE AND LEAK RATE TESTING OF LTA-8 ASCENT STA GE	21-01-66
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01		*67-14585	GRUMMAN AIRCRAFT ENGINEERING CORP, TEST PROJECT ENG. REPORT,RECEIVING INSPECTION CHECK-LIST, ASCENT STAGE,DESCENT STAGE,ASCENT STAGE BALLAST,DCP-K-42018-LTA-10R	29-09-66
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION,TASK MSC/TRW A-97		28-09-67	FLIGHT TEST REPORT (X + 5 DAY)		212
LEM CRAFT		Ascent Stage		*68-17306	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION 10-DAY REPORT (W FILE, W68-10,095)	00-02-67
CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION		102-03-001		*68-17307	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION-3-DAY REPORT (W FILE W68-10,072) (SUPERSEDED BY MSC-PA-R-68-4A)	25-01-68
*67-14338	GRUMMAN AIRCRAFT ENGINEERING CORP, ENGINE,ROCKET,LIQUID ASCENT PROPULSION,DESIGN CONTROL SPECIFICATION FOR,		19-12-67	QUALIFICATION TEST REPORTS AND DATA		302
MATERIALS AND PARTS SPECIFICATIONS		104		*68-16208	BELL AEROSYSTEMS CO ACCEPTANCE TEST LOG FOR MODEL 8258 INJECTOR,VALVE,AND INJECTOR/VALVE ASSEMBLY	07-06-67
*68-17142	AEROJET-GENERAL CORP, HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3),LVC 282-002-112-(01)		00-00-66	*68-16502	FAIRCHILD - HILLER / STRATOS DIV, SUPPLEMENTAL QUALIFICATION TEST RESULTS FOR LEM INTERSTAGE DISCONNECTS	31-07-67
TECHNICAL DATA, REPORTS, AND ANALYSES		202		*68-16569	EAGLE-PICHER COMPANY SUPPLEMENT NO.1 POST-QUALIFICATION TEST PHASE,DETAIL TEST REPORT,LEM BATTERY PRIMARY,ASCENT STAGE,LCQ-390-008	08-09-67
*68-16845	LING TEMCO VOUGHT INC, RUN TIME OPTIMIZATION (STAR, X-)		29-09-67	*68-16747	GRUMMAN AIRCRAFT ENGINEERING CORP, RESULTS OF STRUCTURAL TEST OF LM ASCENT ENGINE SUPPORT STRUCTURE LCQ-360-309	03-08-67
*68-17113	NASA/MSC-HOUSTON, TEXAS AS-204 LM ASCENT PROPULSION SYSTEM PREFLIGHT ANALYSIS (W FILE,W68-100 27)		05-01-68	*68-17417	FAIRCHILD - HILLER / STRATOS DIV, QUALIFICATION TEST REPORT-HELIUM REGULATOR-MODEL 385000	00-01-68
*68-17118	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)		27-12-67	ACCEPTANCE TEST DATA SHEETS		303
*68-17137	LING TEMCO VOUGHT INC, LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR,VOL. 1/FINAL REPORT FOR TASK 3.1.2		11-08-67	*68-16569	EAGLE-PICHER COMPANY SUPPLEMENT NO.1 POST-QUALIFICATION TEST PHASE,DETAIL TEST REPORT,LEM BATTERY PRIMARY,ASCENT STAGE,LCQ-390-008	08-09-67
TOTAL CRAFT AND MISSION ANALYSES		202-01		*68-16625	AEROJET-GENERAL CORP, LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) NARRATIVE END ITEM REPORT S/N 134	06-09-67
*68-17118	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)		27-12-67			

SYSTEMS INDEX

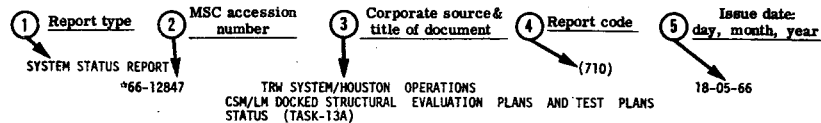


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM CRAFT - Continued	Ascent Stage		LEM CRAFT - Continued	Ascent Stage	
*68-17140	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK-SERIAL NO. 105/TAY 5 (VOL. 1) LVC 282-002-112-(01)	06-07-67	*68-17139	AEROJET-GENERAL CORP. HISTORICAL DATA, LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 1), LVC 282-002-112-(01)	06-00-00
PROCESS CONTROL PROCEDURES	309		*68-17140	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK-SERIAL NO. 105/TAY 5 (VOL. 1) LVC 282-002-112-(01)	06-07-67
*68-16277	AEROJET-GENERAL CORP. SPECIAL REPORT- INVESTIGATION OF MICROSTRUCTURAL DEFICIENCIES FOUND IN LM A/S PRPLNT TK HEMISPHERE FORGINGS, VOL. 2	25-08-67	ACCEPTANCE DATA PACKAGE	314	
*68-17142	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3), LVC 282-002-112-(01)	00-00-66	*68-16757	AEROJET-GENERAL CORP. NARRATIVE END ITEM REPORT, LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) S/N 130, LSC 280-7-58-3	21-09-67
END ITEM TEST AND INSPECTION PROCEDURES	312		*68-17139	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 1), LVC 282-002-112-(01)	00-00-00
*68-16313	QUANTATRON INC. ACCEPTANCE TEST PROCEDURE, PRESSURE CARTRIDGE, MODEL 1334, 1334C	09-06-67	*68-17141	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK, SERIAL NUMBER 101/TAY #1 (VOL. 2), LVC 282-002-112-(01)	00-00-65
*68-16341	GRUMMAN AIRCRAFT ENGINEERING CORP. ELECTRICAL CIRCUIT INTERRUPTER (DEAD FACE SWITCH) CYCLING PROCEDURE	21-07-67	*68-17142	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3), LVC 282-002-112-(01)	00-00-66
*68-16342	GRUMMAN AIRCRAFT ENGINEERING CORP. PROCEDURE FOR STRUCTURAL TEST OF LM ASCENT ENGINE SUPPORT STRUCTURE (LCG-560-309)	21-09-67	*68-17369	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK, SERIAL NO 118-VOL 1	05-02-68
*68-16481	EAGLE-PICHER COMPANY END ITEM TEST AND INSPECTION PROCEDURES FOR EAGLE-PICHER BATTERY MAP 4323, REVISION C, 28 JUNE 1957	28-06-67	CONFIGURATION MANAGEMENT PLAN	610	
END ITEM NARRATIVE REPORT	313		*68-17243	TRW SYSTEMS TRW LM DESCENT ENGINE CONFIGURATION CONTROL PROCEDURES	13-09-67
*68-16495	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT, S/N 132	05-09-67	MONTHLY PROGRESS REPORT	701	
*68-16496	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT, S/N 121	25-08-67	*68-16275	AEROJET-GENERAL CORP. MONTHLY PROGRESS REPORT (JULY 1967)	00-08-67
*68-16497	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT S/N 133	05-09-67	*68-16779	AEROJET-GENERAL CORP. MONTHLY PROGRESS REPORT (AUGUST 1967) ON LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE)	00-09-67
*68-16498	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT S/N 111	22-08-67	*68-17090	YARDNEY ELECTRIC CORP. DEVELOPMENT OF LIGHTWEIGHT SILVER OXIDE ZINC BATTERY FOR LM ASCENT STAGE-MPR NO. 10	00-12-67
*68-16499	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT S/N 127	05-09-67	MATERIALS REPORT	703	
*68-16500	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT S/N 113	25-08-67	*68-16277	AEROJET-GENERAL CORP. SPECIAL REPORT- INVESTIGATION OF MICROSTRUCTURAL DEFICIENCIES FOUND IN LM A/S PRPLNT TK HEMISPHERE FORGINGS, VOL. 2	25-08-67
*68-16501	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE), NARRATIVE END ITEM REPORT, S/N 126	25-08-67	FINAL REPORT	704	
*68-16625	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) NARRATIVE END ITEM REPORT S/N 134	06-09-67	*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66
*68-16757	AEROJET-GENERAL CORP. NARRATIVE END ITEM REPORT, LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) S/N 130, LSC 280-7-58-3	21-09-67	*68-16777	EAGLE-PICHER COMPANY CELL AND BATTERY TEST FINAL REPORT OF THE DEVELOPMENT PROGRAM DETAIL TEST PLAN, LEM BATTERY, PRIMARY, ASCENT AND DESCENT	20-09-67
			*68-16921	EAGLE-PICHER COMPANY CELL AND BATT TEST PHASE DEVEL PRO, DETAILED TEST PLAN, LM BATT, PRIM, ASC/DES, HEAT GENERATION, THERMAL/ELEC, FINAL RPT	16-10-67

LEM CRAFT - Continued	Ascent Stage	LEM CRAFT - Continued	Descent Stage
WEIGHT AND BALANCE STATUS REPORT	711	COMPUTER SOFTWARE AND MECHANIZATION	202-02
*68-14758 GRUMMAN AIRCRAFT ENGINEERING CORP. LM MONTHLY MASS PROPERTY STATUS REPORT	01-09-67	*68-17099 LING TEMCO VOUGHT INC. LUNAR MODULE DESCENT STAGE THERMAL SIMULATOR, VOL. 1 (STAR FILE,)	18-08-64
STUDY PROJECTS APOLLO MODIFICATIONS	901	DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203
*68-16449 GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66	*68-16568 EAGLE-PICHER COMPANY DESIGN FEASIBILITY PHASE, DEVELOPMENT PROGRAM-DETAIL TEST REPORT LEM BATTERY, PRIMARY ASCENT AND DESCENT	08-09-67
LEM CRAFT	Descent Stage	DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01
CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	102-03-001	*67-14584 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST PROJECT ENGINEERING REPORT, BALLAST SYSTEM LEAK CHECK LTA-10R DESCENT STAGE, OCP-K-43000-LTA-10R	23-09-66
*68-16376 GRUMMAN AIRCRAFT ENGINEERING CORP. BURST DISC ASSEMBLY, HELIUM DESCENT PROPULSION, DESIGN CONTROL SPEC. FOR	17-08-67	*67-14585 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST PROJECT ENG. REPORT, RECEIVING INSPECTION CHECK-LIST, ASCENT STAGE, DESCENT STAGE, ASCENT STAGE BALLAST, OCP-K-42016-LTA-10R	29-09-66
MATERIALS AND PARTS SPECIFICATIONS	104	*68-16989 TRW SYSTEMS LEM DESCENT ENGINE THRUST MOUNT GIMBAL ASSEMBLY DEVELOPMENT TEST REPORT	16-01-67
*68-17054 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	*68-17188 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL. 1	10-11-67
*68-17055 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	FLIGHT TEST REPORT (X + 5 DAY)	212
*68-17056 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	*68-17306 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION 10-DAY REPORT (W FILE, W68-10,095)	00-02-67
PARTS SPECIFICATIONS	104-02	*68-17307 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION-3-DAY REPORT (W FILE W68-10,072) (SUPERSEDED BY MSC-PA-R-68-4A)	25-01-68
*68-16376 GRUMMAN AIRCRAFT ENGINEERING CORP. BURST DISC ASSEMBLY, HELIUM DESCENT PROPULSION, DESIGN CONTROL SPEC. FOR	17-08-67	QUALIFICATION TEST REPORTS AND DATA	302
TECHNICAL DATA, REPORTS, AND ANALYSES	202	*67-15885 TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE NO. 6 PHASE B	23-06-67
*66-12118 GRUMMAN AIRCRAFT ENGINEERING CORP. LEM DESCENT STAGE STRUCTURAL ANALYSIS, VOLUMES I, II, APPENDICES A + B	29-09-67	*68-16494 EXPLOSIVE TECHNOLOGY INC. QUALIFICATION TEST REPORT, LUNAR EXCURSION MODULE DESCENT STAGE UMBILICAL CABLE CUTTER ASSEMBLY	15-06-67
*68-16781 GARRETT CORP./AIRESEARCH 4FG, DIV. STATISTICAL ANAL. OF THE MECH PROPERTIES OF THE INNER SHELL QUAL FORGINGS SHE STORAGE AND SUPPLY, DESCENT PROPUL FOR THE LM	15-09-67	*68-16502 FAIRCHILD - HILLER / STRATOS DIV. SUPPLEMENTAL QUALIFICATION TEST RESULTS FOR LEM INTERSTAGE DISCONNECTS	31-07-67
*68-17099 LING TEMCO VOUGHT INC. LUNAR MODULE DESCENT STAGE THERMAL SIMULATOR, VOL. 1 (STAR FILE,)	18-08-64	*68-16567 TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINES NO. 11 AND 12 PHASE B	30-08-67
*68-17104 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C	31-01-68	*68-16605 EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE, DETAIL TEST REPORT LEM BATTERY, PRIMARY DESCENT STAGE	31-07-67
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)	27-12-67	*68-16756 EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO, LCG-390-009	29-09-67
TOTAL CRAFT AND MISSION ANALYSES	202-01	*68-16876 TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B- GAEC PARAGRAPH 5.3.2	28-09-67
*68-17104 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C	31-01-68	*68-16880 TRW SYSTEMS TRW LM DESCENT ENGINE-PHASE B-QUALIFICATION TEST PROGRAM SUMMARY REPORT	11-10-67
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)	27-12-67	ACCEPTANCE TEST DATA SHEETS	303
*68-17306 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION 10-DAY REPORT (W FILE, W68-10,095)	00-02-67	*68-16479 PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072N3	30-08-67
*68-17307 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION-3-DAY REPORT (W FILE W68-10,072) (SUPERSEDED BY MSC-PA-R-68-4A)	25-01-68		

SYSTEMS INDEX

TYPICAL CITATION

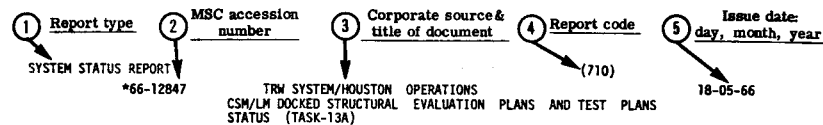


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM CRAFT - Continued	Descent Stage		LEM CRAFT - Continued	Descent Stage	
*68-16487	EDO CORPORATION END ITEM TEST AND INSPECTION SHEETS, LM LSSP ACCEPTANCE TEST DATA, S/N 107,110 THRU 116	00-00-67	END ITEM NARRATIVE REPORT	313	
*68-16756	EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO. LCG-390-009	29-09-67	*68-16332	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 117 XRA	04-08-67
*68-16876	TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B-GAEC PARAGRAPH 5.3.2	28-09-67	*68-16333	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 103 XNZ	04-08-67
TEST AND INSPECTION	308		*68-16334	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-FUEL TANK S/N 113-114 XRA	04-08-67
*68-17194	TRW SYSTEMS TEST REPORT ON EXPERIMENTAL DESIGNS FOR THE LMDE FLOW CONTROL VALVE ELBOW	00-09-67	*68-16539	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM DESCENT ENGINE CONTROL ASSEMBLY-PRODUCTION MODEL 017	26-08-67
END ITEM TEST PLAN	311		*68-16876	TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B-GAEC PARAGRAPH 5.3.2	28-09-67
*68-16236	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	15-05-67	*68-16877	TRW SYSTEMS TRW LM DESCENT ENGINE-SERIAL NO. 1038-ACCEPTANCE TEST PERFORMANCE REPORT	00-00-67
*68-16479	PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072M3	30-08-67	ACCEPTANCE DATA PACKAGE	314	
END ITEM TEST AND INSPECTION PROCEDURES	312		*68-16328	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS, S/N G-363 THRU G-068	15-08-67
*67-15635	EDO CORPORATION DESIGN VERIFICATION TESTS LUNAR SURFACE SENSING PROBE FOR LEM, FINAL REPORT	00-04-67	*68-16329	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS, S/N G-369 THRU 074	15-08-67
*67-15636	EDO CORPORATION END ITEM TEST PLAN-TEST AND INSPECTION PROCEDURE LUNAR SURFACE SENSING PROBE FOR LEM	19-06-67	*68-16332	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 117 XRA	04-08-67
*68-16341	GRUMMAN AIRCRAFT ENGINEERING CORP. ELECTRICAL CIRCUIT INTERRUPTER (DEAD FACE SWITCH) CYCLING PROCEDURE	21-07-67	*68-16333	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 103 XNZ	04-08-67
*68-16479	PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072M3	30-08-67	*68-16334	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-FUEL TANK S/N 113-114 XRA	04-08-67
*68-16480	PARKER AIRCRAFT CO. QUALIFICATION TEST PLAN AND PROCEDURE, ECS HIGH PRESSURE OXYGEN CONTROL ASSEMBLY, PN 5650072M3	30-08-67	*68-16370	TRW SYSTEMS TRW LM DESCENT ENGINE ACCEPTANCE TEST PERFORMANCE REPORT	25-06-67
*68-16482	EAGLE-PICHER COMPANY END ITEM TEST AND INSPECTION PROCEDURES FOR EAGLE-PICHER BATTERIES MAP 4324 AND MAP 4324-3, REVISION C, 24 JUNE 1967	28-06-67	*68-16371	TRW SYSTEMS TRW LM DESCENT ENGINE ACCEPTANCE TEST PERFORMANCE REPORT	29-06-67
*68-16561	PARKER AIRCRAFT CO. DESIGN EVALUATION TEST PROCEDURE, BELLOWS, OXYGEN REGULATOR, PN 5671211	08-09-67	*68-16958	ALLISON/DIVISION G.M. COVER-LM DESCENT PROPELLANT TANK AND Z OXIDIZER END ITEM DOCUMENTATION PACKAGE FOR COVER S/N 86 XUD	01-09-67
*68-16562	PARKER AIRCRAFT CO. DESIGN EVALUATION TEST PROCEDURE, BELLOWS, BYPASS RELIEF VALVE PN 5671216	08-09-67	*68-16959	ALLISON/DIVISION G.M. COVER-DESCENT STAGE PROPELLANT TANK FUEL-Y-END ITEM DOCUMENTATION PACKAGE FOR COVER P/N 6857259 S/N 121XSB	01-09-67
*68-17054	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	*68-16960	ALLISON/DIVISION G.M. COVER-OXIDIZER TANK-Z-END ITEM DOCUMENTATION PACKAGE FOR COVER P/N 6857258 S/N 124XSB	00-05-67
*68-17055	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	*68-16980	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS S/N G-375 THRU G-078	00-00-67
*68-17056	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67			

LEM CRAFT - Continued	Descent Stage	LEM CRAFT - Continued	Descent Stage
*68-16981	ALLISON/DIVISION G.M. COVER ASSEMBLY-OXIDIZER TANK S/N 104XVZ	00-00-00	STUDY PROJECTS APOLLO MODIFICATIONS 901
*68-16982	ALLISON/DIVISION G.M. COVER ASSEMBLY-FUEL TANK	00-00-67	*68-16449 GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM 10-02-66
*68-17054	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	LEM/GUIDANCE AND NAVIGATION
*68-17055	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	TECHNICAL DATA, REPORTS, AND ANALYSES 202
*68-17056	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67	*68-16161 TRW SYSTEMS/HOUSTON OPERATIONS FOUNDATIONS FOR A GUIDANCE AND CONTROL FLIGHT TEST PLAN, TASK ASP0-38 10-08-67
*68-17193	TRW SYSTEMS TRW LM DESCENT ENGINE, SERIAL NO. 1039 ACCEPTANCE TEST PERFORMANCE REPORT	08-12-67	*68-16790 TRW SYSTEMS/HOUSTON OPERATIONS VHF RANGE PRELIMINARY ERROR ESTIMATE, TASK 52-CS4 RANGING STUDY 15-08-67
*68-17196	TRW SYSTEMS TRW LM DESCENT ENGINE, SERIAL NO. 1030 ACCEPTANCE TEST PERFORMANCE REPORT	11-12-67	*68-17036 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUN-DANCE, DANCE SECT. 4 (STAR) 00-12-67
*68-17301	RCA / DEFENSE ELECTRONIC PRODUCTS AMENDMENT 1-ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	25-08-67	*68-17069 NASA/MSC-HOUSTON, TEXAS UTILIZATION + CHARACTER VELOCITY SAVING WITH A SMALL THROTTLEABLE REGION ABOUT 92.5 THRUST FOR LM POWERED (WFILE . W68-10007) 22-11-67
MONTHLY PROGRESS REPORT 701			*68-17104 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C 31-01-68
*68-16923	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS, MONTHLY PROGRESS REPORT	10-08-67	*68-17130 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOL. 2 TRAJECTORY LISTING (WFILE, W58-10,023) 29-12-67
*68-17192	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-09-67	*68-17354 TRW SYSTEMS APOLLO GUIDANCE AND NAV DIAGNOSTIC LOGIC STUDY, TASK MSC/TRW A-41 27-09-65
*68-17195	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-12-67	*68-17356 AC SPARK PLUG/ELECTRONICS DIV. G.M. MAINTAINABILITY DESIGN REVIEW + EVALUATION REPORT BLOCK 2 + LEM AC ELECTRONICS G + N 01-12-65
*68-17268	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-11-67	..... TOTAL CRAFT AND MISSION ANALYSES 202-01
*68-17328	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-10-67	*68-17104 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C 31-01-68
*68-17358	ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT (PERIOD OF 1-30 NOV, 1967)	15-12-67	*68-17123 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE, W67-10,902)(IN-67-FM-124, TRW 06-12-67
*68-17359	ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT (PERIOD OF 1-31 DEC 1967)	14-01-68	*68-17130 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOL. 2 TRAJECTORY LISTING (WFILE, W58-10,023) 29-12-67
FINAL REPORT 704			..... COMPUTER SOFTWARE AND MECHANIZATION 202-02
*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66	*68-17036 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUN-DANCE, DANCE SECT. 4 (STAR) 00-12-67
*68-16777	EAGLE-PICHER COMPANY CELL AND BATTERY TEST FINAL REPORT OF THE DEVELOPMENT PROGRAM DETAIL TEST PLAN, LEM BATTERY, PRIMARY, ASCENT AND DESCENT	20-09-67	*68-17123 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE, W67-10,902)(IN-67-FM-124, TRW 06-12-67
*68-16921	EAGLE-PICHER COMPANY CELL AND BATT TEST PHASE DEVEL PRO, DETAILED TEST PLAN, LM BATT, PRIM, ASC/DES, HEAT GENERATION, THERMAL/ELEC, FINAL RPT	16-10-67	*68-17282 NASA/MSC-HOUSTON, TEXAS A PRELIMINARY MONTE CARLO DISPERSION ANALYSIS ON THE LUNAR LANDING MISSION (W FILE, W68-10,074) 08-01-68
WEIGHT AND BALANCE STATUS REPORT 711			..... DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203
*68-16758	GRUMMAN AIRCRAFT ENGINEERING CORP. LM MONTHLY MASS PROPERTY STATUS REPORT	01-09-67	*68-16649 MIT INSTRUMENTATION LAB BLOCK 2 AND LEM GUIDANCE AND NAVIGATION SYS WEIGHTS AND POWER REQUIREMENTS REPORTED STATUS-NOV 1965 (U) 00-11-65

SYSTEMS INDEX

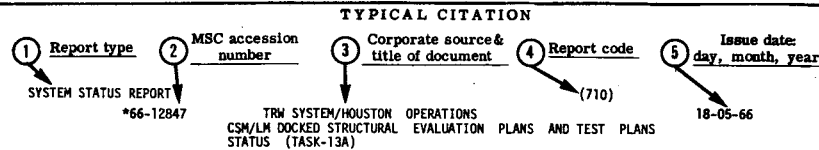
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM GUIDANCE AND NAVIGATION - Continued			LEM GUIDANCE AND NAVIGATION - Continued	Inertial Subsystem	
RELIABILITY ANALYSIS, DESIGN REVIEW	401		MONTHLY PROGRESS REPORT	701	
*68-16338 AC SPARK PLUG/ELECTRONICS DIV. G.M., APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW		02-11-66	*68-16564 LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP (PERIOD COVERED, JULY 1967)		06-07-67
FAILURE DATA	402		LEM GUIDANCE AND NAVIGATION	Inertial Subsystem	IRIGS, IMUS
*68-16338 AC SPARK PLUG/ELECTRONICS DIV. G.M., APOLLO GUIDANCE AND NAVIGATION SYSTEM RELIABILITY AND QUALITY ASSURANCE PROGRAM REVIEW		02-11-66	TECHNICAL DATA, REPORTS, AND ANALYSES	202	
TEST PLAN	603		*68-16945 NASA/MSC-HOUSTON, TEXAS LUNAR MODULE CONSUMABLES ANALYSIS FOR MISSION AS-505/CSM-164/LM-4 (W FILE, W67-10877)		28-11-67
*68-16873 TRW SYSTEMS/HOUSTON OPERATIONS LM-1 GUIDANCE NAVIGATION AND CONTROL SYSTEM FLIGHT TEST ANALYSIS PLAN		20-10-67	*68-17187 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E-16C, APPROACH TERRAIN EVALUATION, SITES 11P-2, 11P-6, 11P-8, 11P-11, AND 11P-13 (STAR FILE.)		15-01-68
SUPPORT PLAN	606		TOTAL CRAFT AND MISSION ANALYSES	202-01	
*68-16873 TRW SYSTEMS/HOUSTON OPERATIONS LM-1 GUIDANCE NAVIGATION AND CONTROL SYSTEM FLIGHT TEST ANALYSIS PLAN		20-10-67	*68-17119 NASA/MSC-HOUSTON, TEXAS REVISED LM DESCENT AND ASCENT DELTA VELOCITY BUDGETS FOR THE LUNAR LANDING MISSION (W FILE, W68-13,025)		27-12-67
SYSTEM STATUS REPORT	710		*68-17124 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS 204/LM-1 SPACECRAFT DISPERSION ANALYSIS (W FILE W67-10,900)		11-12-67
*68-16547 MIT INSTRUMENTATION LAB SYSTEM STATUS REPORT		00-08-67	*68-17413 TRW SYSTEMS TECHNICAL NOTE TASK MSC/STL A-2 MONTE CARLO SIMULATION OF LEM ASCENT MIDCOURSE GUIDANCE		04-12-64
LEM GUIDANCE AND NAVIGATION	Inertial Subsystem		COMPUTER SOFTWARE AND MECHANIZATION	202-02	
TECHNICAL DATA, REPORTS, AND ANALYSES	202		*68-17413 TRW SYSTEMS TECHNICAL NOTE TASK MSC/STL A-2 MONTE CARLO SIMULATION OF LEM ASCENT MIDCOURSE GUIDANCE		04-12-64
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)		27-12-67	DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01	
TOTAL CRAFT AND MISSION ANALYSES	202-01		*68-16842 NASA/MSC-HOUSTON, TEXAS STRAPDOWN TEST STATION AND EVALUATION TECHNIQUES (W FILE, W67-10828)		10-08-67
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS- SUPPLEMENT A (W FILE, W68-10,031)		27-12-67	MISSION BILEVEL / NUMERICAL DATA	214	
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203		*67-14599 GRUNMAN AIRCRAFT ENGINEERING CORP. TRAJECTORY AND ATTITUDE CONSTRAINTS FOR THE LEM VOLUME 2- ATTITUDE CONSTRAINTS		01-08-65
*68-16650 MIT INSTRUMENTATION LAB CLASSIFIED PRESENTATIONS, CRITICAL DESIGN REVIEW (U)		02-12-65	QUALIFICATION TEST REPORTS AND DATA	302	
HANDBOOKS AND MANUALS SPACECRAFT	501		*68-16404 AC SPARK PLUG/ELECTRONICS DIV. G.M., DETAILED TEST OBJS FOR GROUND TEMP, OXYGEN, SALT FOG, AND HUMIDITY AND THERMAL VACUUM QUAL OF THE LEM INERTIAL SUBSYSTEM		00-08-67
*68-11721 AC SPARK PLUG/ELECTRONICS DIV. G.M., APOLLO-LUNAR EXCURSION MODULE, PRIMARY GUIDANCE, NAVIGATION, AND CONTROL MANUAL, VOLS. I AND II, REV. V		11-16-67	FINAL REPORT	704	
PROGRAM PLAN	601		*68-16830 SPERRY GYROSCOPE CO. (GREAT NECK, NY) APOLLO 16 PIP RELIABILITY TEST PROGRAM-PART 2 FINAL REPORT, LIFE TEST PROGRAM		06-03-67
*68-17319 NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC DIGITAL AUTOPILOT EVALUATION (W FILE, W68-10,073)		10-01-68			
TEST PLAN	603				
*68-17319 NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC DIGITAL AUTOPILOT EVALUATION (W FILE, W68-10,073)		10-01-68			

LEM GUIDANCE AND NAVIGATION	Optical Subsystem and Displays	LEM GUIDANCE AND NAVIGATION - Continued	Computer Subsystem
TECHNICAL DATA, REPORTS, AND ANALYSES	202		
*68-16890	BELLCOMM, INC. SUN SHIELD STUDY	07-09-66	
*68-17244	TRW SYSTEMS/HOUSTON OPERATIONS TRANSMITTAL OF REVISED ROUGH DRAFT OF THE VISIBILITY PROJECTS REPORT, TASK MSC/TRW ASPO-68	29-01-68	
COMPUTER SOFTWARE AND MECHANIZATION	202-02		
*68-16900	BELLCOMM, INC. SUN SHIELD STUDY, THE COMPUTER IMPLEMENTATION	10-09-66	
MISSION BILEVEL / NUMERICAL DATA	214		
*67-14599	GRUMMAN AIRCRAFT ENGINEERING CORP. TRAJECTORY AND ATTITUDE CONSTRAINTS FOR THE LEM VOLUME 2- ATTITUDE CONSTRAINTS	01-08-65	
FINAL REPORT	704		
*68-17057	BOEING CO. / SPACE DIV. PARAMETRIC VISION SIMULATION STUDY-FINAL REPORT-PART 1 (STAR FILE, STAR.)	00-12-67	
*68-17058	BOEING CO. / SPACE DIV. PARAMETRIC VISION SIMULATION STUDY-FINAL REPORT-PART 2 (STAR,)	00-00-67	
SYSTEM STATUS REPORT	710		
*68-17202	HUGHES AIRCRAFT CORP. LEM OPTICAL RENDEZVOUS SUBSYSTEM PROGRAM REVIEW	06-01-66	
LEM GUIDANCE AND NAVIGATION	Computer Subsystem		
TECHNICAL DATA, REPORTS, AND ANALYSES	202		
*68-16533	MIT INSTRUMENTATION LAB VERIFICATION RESULTS SUMMARY FOR LGC SUNBURST (LM-1 MISSION)	00-08-67	
*68-16999	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SEC. 5 (STAR)	00-11-67	
*68-17087	TRW SYSTEMS/HOUSTON OPERATIONS LGC/RTCC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116 FLIGHT PROGRAM, TASK MSC/TRW A-97	27-12-67	
*68-17097	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TESTING OF THE BURST 120 PROGRAM FOR THE LM-1 MISSION, TASK MSC/TRW A-97	22-12-67	
*68-17106	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SECTION 2, DATA LINKS	00-12-67	
*68-17122	NASA/MSC-HOUSTON, TEXAS PROJECT APOLLO-USE OF THE LANDING POINT DESIGNATOR TO LAND THE LUNAR MODULE TO A GIVEN TARGET (W FILE, W67-10,899)	14-11-67	
*68-17253	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS S-IVB/ LM-1 SEPARATION, VOL. 2-LGC/DAP CONTROL (W FILE, W68-10,037)	11-01-68	
TOTAL CRAFT AND MISSION ANALYSES	202-01		
*68-16156	TRW SYSTEMS/HOUSTON OPERATIONS LINEAR MONTE CARLO PROGRAM FOR THE LEM MIDCOURSE PHASE, TASK MSC/TRW A-2	20-07-65	
*68-16197	TRW SYSTEMS/HOUSTON OPERATIONS LINEAR MONTE CARLO PROGRAM FOR THE LEM TERMINAL RENDEZVOUS PHASE TASK MSC/TRW A-2	27-07-65	
*68-16156	TRW SYSTEMS/HOUSTON OPERATIONS INTEGRATING MONTE CARLO PROGRAM FOR THE LEM MIDCOURSE PHASE, TASK MSC/TRW A-2	03-08-65	
*68-17131	NASA/MSC-HOUSTON, TEXAS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-204/ LM-1, VOL. 2-ALTERNATE MISSION (W FILE, W68-10,024)	27-12-67	
*68-17253	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS S-IVB/ LM-1 SEPARATION, VOL. 2-LGC/DAP CONTROL (W FILE, W68-10,037)	11-01-68	
*68-17413	TRW SYSTEMS TECHNICAL NOTE TASK MSC/STL A-2 MONTE CARLO SIMULATION OF LEM ASCENT MIDCOURSE GUIDANCE	04-12-64	
COMPUTER SOFTWARE AND MECHANIZATION	202-02		
*68-16156	TRW SYSTEMS/HOUSTON OPERATIONS LINEAR MONTE CARLO PROGRAM FOR THE LEM MIDCOURSE PHASE, TASK MSC/TRW A-2	20-07-65	
*68-16157	TRW SYSTEMS/HOUSTON OPERATIONS LINEAR MONTE CARLO PROGRAM FOR THE LEM TERMINAL RENDEZVOUS PHASE TASK MSC/TRW A-2	27-07-65	
*68-16158	TRW SYSTEMS/HOUSTON OPERATIONS INTEGRATING MONTE CARLO PROGRAM FOR THE LEM MIDCOURSE PHASE, TASK MSC/TRW A-2	03-08-65	
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION, TASK MSC/TRW A-97	28-09-67	
*68-16838	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR REALTIME COMPUTATION OF LUNAR LANDING DESCENT TRAJECTORY (W FILE W67-10831)	25-10-67	
*68-16999	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SEC. 5 (STAR)	00-11-67	
*68-17006	TRW SYSTEMS/HOUSTON OPERATIONS LEM AGS FLIGHT EQUATIONS DOCUMENT, MISSION 206A	14-09-66	
*68-17106	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SECTION 2, DATA LINKS	00-12-67	
*68-17413	TRW SYSTEMS TECHNICAL NOTE TASK MSC/STL A-2 MONTE CARLO SIMULATION OF LEM ASCENT MIDCOURSE GUIDANCE	04-12-64	
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION, TASK MSC/TRW A-97	28-09-67	
*68-16842	NASA/MSC-HOUSTON, TEXAS STRAPDOWN TEST STATION AND EVALUATION TECHNIQUES (W FILE, W67-10828)	10-08-67	
INTERFACE CONTROL (SYSTEMS)	207		
*68-17087	TRW SYSTEMS/HOUSTON OPERATIONS LGC/RTCC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116 FLIGHT PROGRAM, TASK MSC/TRW A-97	27-12-67	
QUALIFICATION TEST REPORTS AND DATA	302		
*68-16404	AC SPARK PLUG/ELECTRONICS DIV., C.M. DETAILED TEST OBJS FOR GROUND TEMP, OXYGEN, SALT FOG, AND HUMIDITY AND THERMAL VACUUM QUAL OF THE LEM INERTIAL SUBSYSTEM	00-08-67	

SYSTEMS INDEX

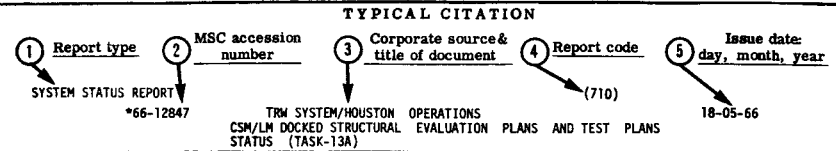


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM GUIDANCE AND NAVIGATION - Continued	Computer Subsystem	
HANDBOOKS AND MANUALS SPACECRAFT 301		
*66-11721	AC SPARK PLUG/ELECTRONICS DIV. C.M. APOLLO-LUNAR EXCURSION MODULE PRIMARY GUIDANCE, NAVIGATION, AND CONTROL MANUAL, VOLS. I AND II, REV. V	11-16-67
MONTHLY PROGRESS REPORT 701		
*68-17025	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM MONTHLY PROGRESS REPORT	11-09-67
LEM GUIDANCE AND NAVIGATION	Radars	
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002		
*67-14664	GRUMMAN AIRCRAFT ENGINEERING CORP. BENCH TEST CONSOLE, RENDEZVOUS RADAR TRANSPONDER, DESIGN CONTROL SPECIFICATION FOR	30-06-65
TECHNICAL DATA, REPORTS, AND ANALYSES 202		
*68-16167	TRW SYSTEMS STUDY OF LUNAR LANDING SENSOR PERFORMANCE-INTERIM REPORT NO. 3	31-07-64
*68-16278	TRW SYSTEMS/HOUSTON OPERATIONS GEOMETRIC TRANSFORMATIONS ASSOCIATED WITH PROJECT PEARL, ASPO TASK 34B	14-07-67
*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67
*68-16937	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY RADAR SHIP ANALYSIS PROGRAM	03-11-67
*68-17073	NASA/MSC-HOUSTON, TEXAS A SIMPLIFIED LM LANDING RADAR OPERATING BOUNDARY MODEL (WFILE, W68-10.006)	05-12-67
*68-17187	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E-36C, APPROACH TERRAIN EVALUATION, SITES 11P-2, 11P-6, 11P-8, 11P-11, AND 11P-13 (STAR FILE)	15-01-68
*68-17297	TRW SYSTEMS VERIFICATION OF LANDING RADAR TRANSFER FUNCTIONS, TASK E-34C (STAR)	02-02-68
TOTAL CRAFT AND MISSION ANALYSES 202-01		
*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67
*68-17131	NASA/MSC-HOUSTON, TEXAS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-204/LM-1, VOL. 2-ALTERNATE MISSION (W FILE, W68-10.024)	27-12-67
COMPUTER SOFTWARE AND MECHANIZATION 202-02		
*68-16937	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY RADAR SHIP ANALYSIS PROGRAM	03-11-67
*68-17073	NASA/MSC-HOUSTON, TEXAS A SIMPLIFIED LM LANDING RADAR OPERATING BOUNDARY MODEL (WFILE, W68-10.006)	05-12-67
*68-17297	TRW SYSTEMS VERIFICATION OF LANDING RADAR TRANSFER FUNCTIONS, TASK E-34C (STAR)	02-02-68

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM GUIDANCE AND NAVIGATION - Continued	Radars	
PRELIMINARY DESIGN AND REQUIREMENTS 204		
*67-15229	GRUMMAN AIRCRAFT ENGINEERING CORP. RADAR REQUIREMENTS REPORT (U)	03-04-63
MISSION BILEVEL / NUMERICAL DATA 214		
*67-14599	GRUMMAN AIRCRAFT ENGINEERING CORP. TRAJECTORY AND ATTITUDE CONSTRAINTS FOR THE LEM VOLUME 2- ATTITUDE CONSTRAINTS	01-08-65
*67-14599	GRUMMAN AIRCRAFT ENGINEERING CORP. TRAJECTORY AND ATTITUDE CONSTRAINTS FOR THE LEM VOLUME 2- ATTITUDE CONSTRAINTS	01-08-65
QUALIFICATION TEST REPORTS AND DATA 302		
*68-16544	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENDURANCE QUALIFICATION EMI TEST REPORT FOR RENDEZVOUS RADAR SECTION	20-06-67
*68-16823	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENVIRONMENTAL ENDURANCE QUALIFICATION TEST PROCEDURE FOR TRANSPONDER ELECTRONIC ASSEMBLY-REV. D ECR R8-3424	28-09-67
*68-17277	RCA / DEFENSE ELECTRONIC PRODUCTS LM FINAL DESIGN LIMIT QUALIFICATION TEST REPORT FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY, VOLUME 1 OF 3	01-08-67
*68-17279	RCA / DEFENSE ELECTRONIC PRODUCTS APPENDIX A-LM DESIGN LIMIT QUALIFICATION VIBRATION ACCELEROMETER RESPONSE DATA FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY, VOL 2 OF 3	01-08-67
*68-17280	RCA / DEFENSE ELECTRONIC PRODUCTS LM FINAL ENDURANCE QUALIFICATION TEST REPORT FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY-VOLUME 1 OF 3	01-07-67
*68-17299	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENDURANCE QUALIFICATION EMI TEST REPORT FOR TRANSPONDER	20-12-67
*68-17300	RCA / DEFENSE ELECTRONIC PRODUCTS APPENDIX A-LM ENDURANCE QUALIFICATION VIBRATION-TEMPERATURE ACCELEROMETER RESPONSE DATA FOR RENDEZVOUS RADAR ELEC ASSY VOL 2 OF 3	01-07-67
ACCEPTANCE TEST DATA SHEETS 303		
*68-16540	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP)	27-03-67
*68-17415	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM REPORT FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY MODEL 17, SERIAL 117	12-12-67
TEST AND INSPECTION 308		
*68-17047	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENGINEERING TEST REPORT FOR RENDEZVOUS RADAR SECTION (PRODUCTION MODEL 14)	10-11-67
END ITEM TEST PLAN 311		
*68-16238	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM RB SECTION ACCEPTANCE TEST PLAN WITH A TRANSPONDER (MODELS 10 AND UP)	08-07-67
*68-16664	RCA / DEFENSE ELECTRONIC PRODUCTS TEST PLAN FOR THE QUALIFICATION OF THE PRODUCTION COAXIAL CONNECTOR-CABLE INTERFACE CONFIG. USED ON THE RENDEZVOUS RADAR ANTENNA ASSY	10-07-67

LEM GUIDANCE AND NAVIGATION - Continued	Radars	LEM GUIDANCE AND NAVIGATION - Continued	Radars		
*68-16820	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENDURANCE QUALIFICATION TEST PLAN FOR TRANSPONDER ELECTRONIC ASSEMBLY	28-09-67	*68-17096	RCA / DEFENSE ELECTRONIC PRODUCTS LEM MONTHLY PROGRESS REPORT LUNAR EXCURSION MODULE RADAR EQUIPMENT	30-09-65
*68-16824	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM TEST PLAN FOR TRANSPONDER ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP)	11-09-67	*68-17203	RCA / DEFENSE ELECTRONIC PRODUCTS LEM MONTHLY PROGRESS REPORT LUNAR EXCURSION MODULE RADAR EQUIPMENT	31-05-65
*68-16924	RCA / DEFENSE ELECTRONIC PRODUCTS LM DESIGN LIMIT QUALIFICATION TEST PLAN FOR TRANSPONDER ELECTRONIC ASSEMBLY	28-09-67	LEM STABILIZATION AND CONTROL SYSTEM		
END ITEM TEST AND INSPECTION PROCEDURES 312		CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION 102-03-001			
*68-16186	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM ACCEPTANCE TEST PROCEDURE FOR THE RENDEZVOUS RADAR WITH A TRANSPONDER	05-07-67	*68-17335	AMERICAN BOSCH ARMA CORP. DETAIL SPEC'S AND C CONTROL ASSEMBLY NO 2, DISPLAYS SUBSYSTEM, ARMA SPECIFICATION 521-001-312	13-10-67
*68-16187	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM RR SECTION INSPECTION AND ACCEPTANCE TEST PROCEDURE WITH A TRANSPONDER	15-07-67	*68-17336	AMERICAN BOSCH ARMA CORP. DETAIL SPECIFICATION, S AND C CONTROL ASSEMBLY NO 3, ARMA SPECIFICATION 521-001-313	13-10-67
*68-16234	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM ACCEPTANCE INSPECTION PROCEDURE FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY	12-06-67	TECHNICAL DATA, REPORTS, AND ANALYSES 202		
*68-16396	RCA / DEFENSE ELECTRONIC PRODUCTS DETAILED CALIBRATION AND ALIGNMENT PROCEDURES SECTION TEST FACILITY VENDOR ACCEPTANCE TEST EQUIPMENT	20-03-67	*68-16161	TRW SYSTEMS/HOUSTON OPERATIONS FOUNDATIONS FOR A GUIDANCE AND CONTROL FLIGHT TEST PLAN, TASK ASPD-38	10-08-67
*68-16462	RCA / DEFENSE ELECTRONIC PRODUCTS TEST AND INSPECTION PROCEDURE FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY SEA-AIR EXPOSURE TEST	14-08-67	*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67
*68-16540	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP)	27-03-67	*68-16916	TRW SYSTEMS/HOUSTON OPERATIONS GUIDANCE SOFTWARE DESIGN REPORT NO. 3	03-02-67
*68-16826	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR TRANSPONDER ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP)	18-09-67	*68-17104	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C	31-01-68
*68-17012	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY	27-09-67	*68-17108	TRW SYSTEMS/HOUSTON OPERATIONS LM AGS COASTING FLIGHT NAVIGATION SIMULATION-COMPUTER PROGRAM FORMULATION-TASK MSC/TRW A-105	24-08-67
*68-17310	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM ACCEPTANCE TEST PROCEDURE FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY	20-12-67	TOTAL CRAFT AND MISSION ANALYSES 202-01		
*68-17416	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY	15-01-68	*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67
*68-17423	RCA / DEFENSE ELECTRONIC PRODUCTS LM ENVIRONMENTAL DESIGN LIMIT QUALIFICATION TEST PROCEDURE FOR TRANSPONDER ASSEMBLY, REV E ECN RA-3852	08-11-67	*68-17104	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C	31-01-68
END ITEM NARRATIVE REPORT 313		COMPUTER SOFTWARE AND MECHANIZATION 202-02			
*68-17046	RCA / DEFENSE ELECTRONIC PRODUCTS LEM END ITEM REPORT FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY, MODEL 18, S/N 118, RCA P/N 8343592-509, LSC-370-200-5-3	14-07-67	*68-16916	TRW SYSTEMS/HOUSTON OPERATIONS GUIDANCE SOFTWARE DESIGN REPORT NO. 3	03-02-67
*68-17415	RCA / DEFENSE ELECTRONIC PRODUCTS LEM END ITEM REPORT FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY MODEL 17, SERIAL 117	12-12-67	*68-17006	TRW SYSTEMS/HOUSTON OPERATIONS LEM AGS FLIGHT EQUATIONS DOCUMENT, MISSION 208A	14-09-66
ACCEPTANCE DATA PACKAGE 314		*68-17108		TRW SYSTEMS/HOUSTON OPERATIONS LM AGS COASTING FLIGHT NAVIGATION SIMULATION-COMPUTER PROGRAM FORMULATION-TASK MSC/TRW A-105	24-08-67
*68-17046	RCA / DEFENSE ELECTRONIC PRODUCTS LEM END ITEM REPORT FOR RENDEZVOUS RADAR ANTENNA ASSEMBLY, MODEL 18, S/N 118, RCA P/N 8343592-509, LSC-370-200-5-3	14-07-67	*68-17290	UNJTD AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT LEM/ASA DESIGN VERIFICATION-APPENDICES-VOLUME 2	28-11-67
MONTHLY PROGRESS REPORT 701		DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203			
*68-16280	TRW SYSTEMS/HOUSTON OPERATIONS RADAR PERFORMANCE ASSESSMENT, ASPD TASK 343	09-08-67	*68-16759	RCA / DEFENSE ELECTRONIC PRODUCTS AMENDMENT 1, DESCENT ENGINE CONTROL ASSEMBLY, DECA, PRODUCTION MODEL DESIGN REPORT	15-09-67
*68-17025	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO SPACECRAFT SYSTEMS ANALYSIS PROGRAM MONTHLY PROGRESS REPORT	11-09-67			

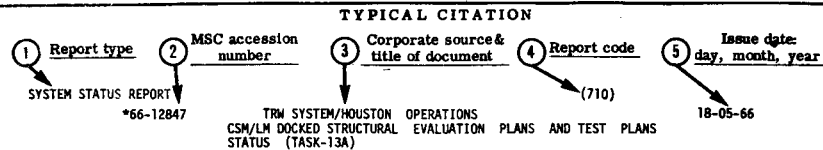
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM STABILIZATION AND CONTROL SYSTEM - Continued			LEM STABILIZATION AND CONTROL SYSTEM - Continued		
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-16233	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST AND INSPECTION PROCEDURES FOR DECA MODELS 12 AND UP	15-07-67
*68-17289	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT,LEM/ASA DESIGN VERIFICATION-VOLUME 1	28-11-67	*68-16538	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	30-11-66
*68-17290	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT LEM/ASA DESIGN VERIFICATION+APPENDICES-VOLUME 2	28-11-67	*68-16819	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	27-06-67
DRAWINGS		205	*68-17049	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST AND INSPECTION PROCEDURES FOR ATCA PRODUCTION MODELS	22-11-67
*68-17311	TRW SYSTEMS NARRATIVE END-ITEM REPORT,LM ABORT GUIDANCE SECTION	00-12-67	*68-17339	AMERICAN BOSCH ARMA CORP. DETAILED TEST PROCEDURE FOR LM CONTROL ASSY CA-1,S AND CONTROL PANEL DISPLAY SUBSYSTEMS,GAEC P/N LSC-350-308-13,S/N 1 THRU 5,8	18-08-67
QUALIFICATION TEST REPORTS AND DATA		302	*68-17340	AMERICAN BOSCH ARMA CORP. DETAILED TEST PROCEDURE FOR LM CONTROL ASSY CA-1,S AND C DISPLAY SUBSYSTEMS,GAEC P/N LSC-350-308-13-1,S/N 16 AND 17	07-08-67
*68-17226	TRW SYSTEMS FINAL TEST REPORT,ABORT ELECTRONICS ASSEMBLY QUALIFICATION,DESIGN LIMIT TEST-VOLUME 2	10-05-67	END ITEM NARRATIVE REPORT	313	
ACCEPTANCE TEST DATA SHEETS		303	*68-16235	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM DESCENT ENGINE CONTROL ASSEMBLY PRODUCTION MODEL 022	01-08-67
*68-16822	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP 1934380-504 LSC-300-9-1	15-07-67	*68-16372	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 1	10-07-67
*68-17296	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST DATA FOR DECA PRODUCTION MODEL	23-06-66	*68-16373	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 2	10-07-67
TEST AND INSPECTION		308	*68-16374	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 3	10-07-67
*68-16819	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	27-06-67	*68-16539	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM DESCENT ENGINE CONTROL ASSEMBLY- PRODUCTION MODEL 017	26-08-67
*68-16821	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	30-11-66	*68-16541	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM ATTITUDE AND TRANSLATION CONTROL ASSEMBLY PRODUCTION MODEL 20	19-08-67
*68-17298	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST DATA FOR ATCA PRODUCTION MODELS	27-06-67	*68-16542	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM ATTITUDE AND TRANSLATION CONTROL ASSEMBLY-PRODUCTION MODEL 22	11-09-67
*68-17543	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	27-06-67	*68-16543	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT FOR LM ATTITUDE AND TRANSLATION CONTROL ASSEMBLY,PRODUCTION MODEL 23	13-09-67
END ITEM TEST PLAN		311	*68-16787	MINNEAPOLIS-HONEYWELL/AERD DIV. END ITEM DATA FOR LEM ATTITUDE CONTROLLER ASSEMBLY,GAEC PART NO. 300- 190-3-2	27-04-67
*68-16185	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	27-06-67	ACCEPTANCE DATA PACKAGE	314	
*68-16538	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	30-11-66	*68-16372	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 1	10-07-67
*68-16819	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	27-06-67	*68-16373	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 2	10-07-67
*68-17045	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST PLAN FOR ATCA PRODUCTION MODELS	22-11-67			
END ITEM TEST AND INSPECTION PROCEDURES		312			
*68-16184	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM TEST AND INSPECTION PROCEDURES FOR ATCA PRODUCTION MODELS	27-06-67			

LEM STABILIZATION AND CONTROL SYSTEM - Continued		LEM STABILIZATION AND CONTROL SYSTEM - Continued		Digital Autopilot	
*68-16374	TRW SYSTEMS NARRATIVE END-ITEM REPORT LEM ABORT GUIDANCE SECTION-VOLUME 3	16-07-67	*68-17253	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS S-1VB/ LM-1 SEPARATION,VOL. 2-LGC/DAP CONTROL (W FILE.W68-10,037)	11-01-68
*68-16538	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	30-11-66	TOTAL CRAFT AND MISSION ANALYSES 202-01		
*68-17301	RCA / DEFENSE ELECTRONIC PRODUCTS AMENDMENT 1-ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	25-08-67	*68-17119	NASA/MSC-HOUSTON, TEXAS REVISED LM DESCENT AND ASCENT DELTA VELOCITY BUDGETS FOR THE LUNAR LANDING MISSION (W FILE. W68-13,025)	27-12-67
*68-17311	TRW SYSTEMS NARRATIVE END-ITEM REPORT,LM ABORT GUIDANCE SECTION	00-12-67	*68-17253	TRW SYSTEMS/HOUSTON OPERATIONS MISSION B-1/LM-1 (APOLLO 5) SEPARATION AND RECONTACT ANALYSIS S-1VB/ LM-1 SEPARATION,VOL. 2-LGC/DAP CONTROL (W FILE.W68-10,037)	11-01-68
HANDBOOKS AND MANUALS SPACECRAFT 501			DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01		
*68-11721	AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO-LUNAR EXCURSION MODULE,PRIMARY GUIDANCE,NAVIGATION,AND CONTROL MANUAL,VOLS. I AND II,REV. V	11-16-67	*68-16978	TRW SYSTEMS/HOUSTON OPERATIONS DESIGN VERIFICATION AND PERFORMANCE EVALUATION OF THE LUNAR MODULE DIGITAL AUTOPILOT (VOL. 3-POWERED DESCENT)	28-11-66
PROGRAM PLAN 601			ACCEPTANCE TEST DATA SHEETS 303		
*68-17007	TRW SYSTEMS LEM ABORT GUIDANCE SECTION PROGRAM PLANNING DOCUMENT-SECTION 3- GENERAL TEST PLAN	25-06-66	*68-16188	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	15-07-67
TEST PLAN 603			*68-16189	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	24-01-67
*68-17007	TRW SYSTEMS LEM ABORT GUIDANCE SECTION PROGRAM PLANNING DOCUMENT-SECTION 3- GENERAL TEST PLAN	25-06-66	END ITEM TEST PLAN 311		
MONTHLY PROGRESS REPORT 701			*68-16236	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP	15-05-67
*68-16564	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR,GASTA AND TOMP (PERIOD COVERED, JULY 1967)	00-07-67	PROGRAM PLAN 601		
FINAL REPORT 704			*68-17319	NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE. W68-10,073)	10-01-68
*68-17063	DYNAMICS RESEARCH CORP. FINAL REPORT ON APOLLO IRIG ANALYSIS AND LEM DATA LISTINGS	29-12-67	TEST PLAN 603		
SYSTEM STATUS REPORT 710			*68-17319	NASA/MSC-HOUSTON, TEXAS IMPLEMENTATION PLAN FOR COMMAND MODULE PGNC'S DIGITAL AUTOPILOT EVALUATION (W FILE. W68-10,073)	10-01-68
*68-16786	MINNEAPOLIS-HONEYWELL/AERD DIV. PROGRESS AND STATUS REPORT,ATTITUDE CONTROLLER ASSEMBLY	10-05-67	LEM PROPULSION SYSTEM		
LEM STABILIZATION AND CONTROL SYSTEM Mission Programmer			CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION 102-03-001		
COMPUTER SOFTWARE AND MECHANIZATION 202-02			*67-14338	GRUMMAN AIRCRAFT ENGINEERING CORP. ENGINE,ROCKET,LIQUID ASCENT PROPULSION,DESIGN CONTROL SPECIFICATION FOR,	19-12-67
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION,TASK MSC/TRW A-97	28-09-67	*68-16376	GRUMMAN AIRCRAFT ENGINEERING CORP. BURST DISC ASSEMBLY,HELIUM DESCENT PROPULSION,DESIGN CONTROL SPEC, FOR	17-08-67
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			PARTS SPECIFICATIONS 104-02		
*68-16763	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TEST OF THE BURST 116 PROGRAM FOR THE LM-1 MISSION,TASK MSC/TRW A-97	28-09-67	*68-16376	GRUMMAN AIRCRAFT ENGINEERING CORP. BURST DISC ASSEMBLY,HELIUM DESCENT PROPULSION,DESIGN CONTROL SPEC, FOR	17-08-67
LEM STABILIZATION AND CONTROL SYSTEM Digital Autopilot			TECHNICAL DATA, REPORTS, AND ANALYSES 202		
TECHNICAL DATA, REPORTS, AND ANALYSES 202			*68-16986	TRW SYSTEMS/HOUSTON OPERATIONS THREE DIMENSIONAL VIBRATION MODES FOR HALF-FULL CSM/LM DOCKED VEHICLE	20-11-67
*68-16978	TRW SYSTEMS/HOUSTON OPERATIONS DESIGN VERIFICATION AND PERFORMANCE EVALUATION OF THE LUNAR MODULE DIGITAL AUTOPILOT (VOL. 3-POWERED DESCENT)	28-11-66	*68-17104	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT,TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS,TASK MSC/TRW E-19C	31-01-68
*68-17097	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TESTING OF THE BURST 120 PROGRAM FOR THE LM-1 MISSION,TASK MSC/TRW A-97	22-12-67	*68-17113	NASA/MSC-HOUSTON, TEXAS AS-204 LM ASCENT PROPULSION SYSTEM PREFLIGHT ANALYSIS (W FILE.W68-100 27)	05-01-68
			*68-17115	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE. W68-10,034)	02-01-68

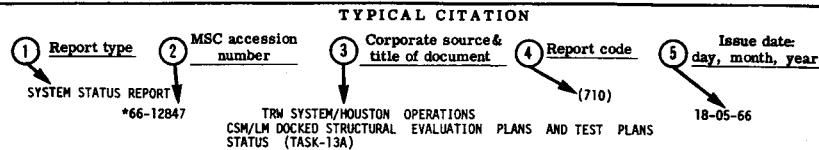
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM PROPULSION SYSTEM - Continued			LEM PROPULSION SYSTEM - Continued	Tanks	
*68-17122 NASA/MSC-HOUSTON, TEXAS PROJECT APOLLO-USE OF THE LANDING POINT DESIGNATOR TO LAND THE LUNAR MODULE TO A GIVEN TARGET (W FILE #67-10,899)		14-11-67	TOTAL CRAFT AND MISSION ANALYSES	202-01	
TOTAL CRAFT AND MISSION ANALYSES	202-01		*68-16854 BELLCOMM, INC. IMPLICATIONS OF LUNAR ORBITAL ALTITUDES FOR LM SEPARATION		01-08-67
*68-16850 TRW SYSTEMS/HOUSTON OPERATIONS PASSIVATION STUDY FOR APOLLO MISSION AS-204/LM-1-VOL. 2 (W FILE #67-10781) (IN-67-FM-141, MSC/TRW)		18-09-67	*68-16941 NASA/MSC-HOUSTON, TEXAS LM INERT WEIGHT-PERFORMANCE CHARTS FOR LUNAR LANDING MISSION (W FILE #67-10884)		04-12-67
*68-16910 TRW SYSTEMS/HOUSTON OPERATIONS PASSIVATION STUDY FOR APOLLO MISSION AS-204/LM-1 VOL. 1-IMPULSIVE VENT MODEL (W FILE #67-10849) IN 67-FM77,VOL. 1, MSC/TRW)		05-07-67	COMPUTER SOFTWARE AND MECHANIZATION	202-02	
*68-17104 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT, TASK MSC/TRW E-19C APOLLO 5 204/LM 1 LM DESCENT PROPULSION SUBSYSTEM PREFLIGHT ANALYSIS, TASK MSC/TRW E-19C		31-01-68	*68-17189 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 2		10-11-67
*68-17115 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE #68-10,034)		02-01-68	DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203	
QUALIFICATION TEST REPORTS AND DATA	302		*68-16174 AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSEMBLY (ASCENT STAGE), FINAL DESIGN REPORT (ADDENDUM 1)		26-07-67
*68-17417 FAIRCHILD - HILLER / STRATOS DIV. QUALIFICATION TEST REPORT-HELIUM REGULATOR-MODEL 385000		00-01-68	*68-17141 AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK, SERIAL NUMBER 101/TAY #1 (VOL. 2), LVC 282-002-112-(01)		00-00-65
END ITEM TEST AND INSPECTION PROCEDURES	312		*68-17369 AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK, SERIAL NO 118-VOL I		05-02-68
*68-16313 QUANTATRON INC. ACCEPTANCE TEST PROCEDURE, PRESSURE CARTRIDGE, MODEL 1334, 1334C		09-06-67	DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01	
LEM PROPULSION SYSTEM	Tanks		*68-17188 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL. 1		10-11-67
CPE SPECIFICATIONS GENERAL	102		*68-17189 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 2		10-11-67
*68-16179 AEROJET-GENERAL CORP. LEM ASCENT STAGE TANK ASSEMBLIES, COMPONENT, MATERIAL, AND PROCESS SPECIFICATIONS		00-00-67	ACCEPTANCE TEST DATA SHEETS	303	
MATERIALS AND PARTS SPECIFICATIONS	104		*68-16625 AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) NARRATIVE END ITEM REPORT S/N 134		06-09-67
*68-16179 AEROJET-GENERAL CORP. LEM ASCENT STAGE TANK ASSEMBLIES, COMPONENT, MATERIAL, AND PROCESS SPECIFICATIONS		00-00-67	*68-17140 AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK-SERIAL NO. 105/TAY 5 (VOL. 1) LVC 282-002-112-(01)		06-07-67
*68-17054 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION		00-11-67	PROCESS CONTROL PROCEDURES	309	
*68-17055 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION		00-11-67	*68-16277 AEROJET-GENERAL CORP. SPECIAL REPORT-INVESTIGATION OF MICROSTRUCTURAL DEFICIENCIES FOUND IN LM A/S PRPLNT TK HEMISPHERE FORGINGS, VOL. 2		25-08-67
*68-17056 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION		00-11-67	*68-17142 AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3), LVC 282-002-112-(01)		00-00-66
*68-17142 AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3), LVC 282-002-112-(01)		00-00-66	END ITEM TEST AND INSPECTION PROCEDURES	312	
TECHNICAL DATA, REPORTS, AND ANALYSES	202		*68-17054 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION		00-11-67
*68-16781 GARRETT CORP./AIRESEARCH MFG. DIV. STATISTICAL ANAL OF THE MECH PROPERTIES OF THE INNER SHELL DUAL FORGINGS SHE STORAGE AND SUPPLY, DESCENT PROPUL FOR THE LM		15-09-67	*68-17055 ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION		00-11-67

LEM PROPULSION SYSTEM - Continued		Tanks	LEM PROPULSION SYSTEM - Continued		Tanks
*68-17056	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	06-11-67	*68-17140	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK-SERIAL NO. 105/TAY 5 (VOL. 1),LVC 282-002-112-(01)	06-07-67
.....		313	.....		314
END ITEM NARRATIVE REPORT			ACCEPTANCE DATA PACKAGE		
*68-16169	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSY. (ASCENT STAGE),PART NO. 517510-511,DCAS, NARRATIVE END ITEM REPORT,SERIAL NUMBER 110	08-08-67	*68-16328	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS,S/N G-363 THRU G-058	15-08-67
*68-16170	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSY. (ASCENT STAGE),PART NO. 517510-505,DCAS, NARRATIVE END ITEM REPORT,SERIAL NUMBER 115	10-08-67	*68-16329	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS,S/N G-369 THRU 074	15-08-67
*68-16171	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSY. (ASCENT STAGE),PART NUMBER 517510-503,DCAS, NARRATIVE END ITEM REPORT,SERIAL NUMBER 116	10-08-67	*68-16332	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 117 XRA	04-08-67
*68-16172	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSY. (ASCENT STAGE),PART NUMBER 517510-507,DCAS, NARRATIVE END ITEM REPORT,SERIAL NUMBER 119	11-08-67	*68-16333	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 103 XNZ	04-08-67
*68-16173	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSY. (ASCENT STAGE),PART NUMBER 517510-509,DCAS, NARRATIVE END ITEM REPORT,SERIAL NUMBER 120	11-08-67	*68-16334	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-FUEL TANK S/N 113-114 XRA	04-08-67
*68-16284	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) NARRATIVE END ITEM REPORT,LSC 280-7-57-1,S/N 125	16-08-67	*68-16335	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-FUEL TANK (TY) S/N 127 XTC	04-08-67
*68-16332	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 117 XRA	04-08-67	*68-16757	AEROJET-GENERAL CORP. NARRATIVE END ITEM REPORT,LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) S/N 130,LSC 280-7-58-3	21-09-67
*68-16333	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-OXIDIZER TANK S/N 103 XNZ	04-08-67	*68-16958	ALLISON/DIVISION G.M. COVER-LM DESCENT PROPELLANT TANK AND Z OXIDIZER END ITEM DOCUMENTATION PACKAGE FOR COVER S/N 86 XUD	01-09-67
*68-16334	ALLISON/DIVISION G.M. END ITEM DOCUMENTATION PACKAGE FOR COVER-FUEL TANK S/N 113-114 XRA	04-08-67	*68-16959	ALLISON/DIVISION G.M. COVER-DESCENT STAGE PROPELLANT TANK FUEL-Y-END ITEM DOCUMENTATION PACKAGE FOR COVER P/N 6857259 S/N 121XSB	01-09-67
*68-16495	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT,S/N 132	05-09-67	*68-16960	ALLISON/DIVISION G.M. COVER-OXIDIZER TANK-Z-END ITEM DOCUMENTATION PACKAGE FOR COVER P/N 6857258 S/N 124XSB	00-05-67
*68-16496	AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT,S/N 121	25-08-67	*68-16980	ALLISON/DIVISION G.M. FUEL AND OXIDIZER TANKS S/N G-375 THRU G-078	00-00-67
*68-16497	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT S/N 133	05-09-67	*68-16981	ALLISON/DIVISION G.M. COVER ASSEMBLY-OXIDIZER TANK S/N 104XNZ	00-00-00
*68-16498	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT S/N 111	22-08-67	*68-16982	ALLISON/DIVISION G.M. COVER ASSEMBLY-FUEL TANK	00-00-67
*68-16499	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT S/N 127	05-09-67	*68-17054	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67
*68-16500	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT S/N 113	25-08-67	*68-17055	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67
*68-16501	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE),NARRATIVE END ITEM REPORT,S/N 126	25-08-67	*68-17056	ALLISON/DIVISION G.M. LM DESCENT STAGE RETROFIT COVER KIT ADDITIONAL DOCUMENTATION	00-11-67
*68-16625	AEROJET-GENERAL CORP. LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) NARRATIVE END ITEM REPORT S/N 134	06-09-67	*68-17139	AEROJET-GENERAL CORP. HISTORICAL DATA,LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 1),LVC 282-002-112-(01)	00-00-00
*68-16757	AEROJET-GENERAL CORP. NARRATIVE END ITEM REPORT,LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE) S/N 130,LSC 280-7-58-3	21-09-67	*68-17141	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK,SERIAL NUMBER 101/TAY -1 (VOL. 2),LVC 282-002-112-(01)	00-00-65
*68-17139	AEROJET-GENERAL CORP. HISTORICAL DATA,LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 1),LVC 282-002-112-(01)	00-00-00	*68-17142	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK SERIAL NO. 101/TAY 1 (VOL. 3),LVC 282-002-112-(01)	00-00-66
			*68-17369	AEROJET-GENERAL CORP. HISTORICAL DATA LM ASCENT STAGE PROPELLANT TANK,SERIAL NO 118-VOL I	05-02-68

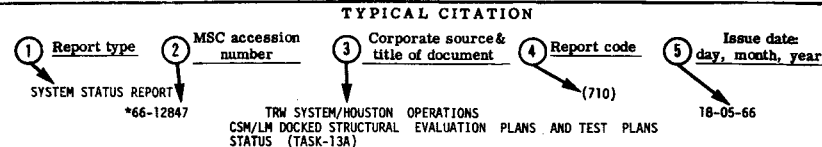
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM PROPULSION SYSTEM - Continued	Tanks		LEM PROPULSION SYSTEM - Continued	Engines	
MONTHLY PROGRESS REPORT		701	*68-17124	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS 204/LM-1 SPACECRAFT DISPERSION ANALYSIS (W FILE W67-10,900)	11-12-67
*68-16241 ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT FOR JULY 1967		15-08-67	*68-17131 NASA/MSC-HOUSTON, TEXAS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-204/LM-1, VOL. 2-ALTERNATE MISSION (W FILE W68-10,024)		27-12-67
*68-16275 AEROJET-GENERAL CORP. MONTHLY PROGRESS REPORT (JULY 1967)		00-08-67	*68-17151 TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C APOLLO 5 204/LM-1 LM MAIN PROPULSION SUBSYSTEM FLIGHT EVALUATION PLAN		29-12-67
*68-16559 ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT (PERIOD OF 1-31 AUGUST 1967)		15-09-67	..... COMPUTER SOFTWARE AND MECHANIZATION 202-02		
*68-16779 AEROJET-GENERAL CORP. MONTHLY PROGRESS REPORT (AUGUST 1967) ON LEM PROPELLANT-TANK ASSEMBLY (ASCENT STAGE)		00-09-67	*68-16155 TRW SYSTEMS/HOUSTON OPERATIONS CONTROL PLAN FOR VELOCITY-TO-BE-GAINED CAPACITY (REVISION A), TASK ASPO-15 (SUBTASK 1)		15-12-65
*68-17358 ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT (PERIOD OF 1-30 NOV, 1967)		15-12-67	*68-17189 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 2		10-11-67
*68-17359 ALLISON/DIVISION G.M. LM DESCENT STAGE PROPELLANT TANK MONTHLY PROGRESS REPORT (PERIOD OF 1-31 DEC 1967)		14-01-68	*68-17282 NASA/MSC-HOUSTON, TEXAS A PRELIMINARY MONTE CARLO DISPERSION ANALYSIS ON THE LUNAR LANDING MISSION (W FILE W68-10,074)		08-01-68
MATERIALS REPORT		703	..... DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01		
*68-16277 AEROJET-GENERAL CORP. SPECIAL REPORT- INVESTIGATION OF MICROSTRUCTURAL DEFICIENCIES FOUND IN LM A/S PROPELLANT TANK HEMISPHERE FORGINGS, VOL. 2		25-08-67	*68-16989 TRW SYSTEMS LEM DESCENT ENGINE THRUST MOUNT GIMBAL ASSEMBLY DEVELOPMENT TEST REPORT		18-01-67
FINAL REPORT		704	*68-17188 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL. 1		10-11-67
*68-16174 AEROJET-GENERAL CORP. LEM PROPELLANT TANK ASSEMBLY (ASCENT STAGE), FINAL DESIGN REPORT (ADDENDUM 1)		26-07-67	*68-17189 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 2		10-11-67
LEM PROPULSION SYSTEM	Engines		*68-17190 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 3		10-11-67
STRUCTURAL DYNAMICS/THERMAL TEST CRAFT		201-01	*68-17191 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 4		10-11-67
*68-17190 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 3		10-11-67	..... QUALIFICATION TEST REPORTS AND DATA 302		
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-16567 TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINES NO. 11 AND 12 PHASE B		30-08-67
*68-17069 NASA/MSC-HOUSTON, TEXAS UTILIZATION + CHARACT VELOCITY SAVING WITH A SMALL THROTTLEABLE REGION ABOUT 92.5 THRUST FOR LM POWERED (W FILE W68-10007)		22-11-67	*68-16876 TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B-GAEC PARAGRAPH 5.3.2		28-09-67
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS-SUPPLEMENT A (W FILE W68-10,031)		27-12-67	*68-16880 TRW SYSTEMS TRW LM DESCENT ENGINE-PHASE B-QUALIFICATION TEST PROGRAM SUMMARY REPORT		11-10-67
TOTAL CRAFT AND MISSION ANALYSES		202-01	..... ACCEPTANCE TEST DATA SHEETS 303		
*68-16944 NASA/MSC-HOUSTON, TEXAS AS-504/CSM-103/LM-3 MISSION PROFILE (W-FILE W67-10887)		28-11-67	*68-16606 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258-472225-7 BI-PROPELLANT VALVE ASSEMBLY S/N 19		11-08-67
*68-17118 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT DISPERSION ANALYSIS-SUPPLEMENT A (W FILE W68-10,031)		27-12-67	*68-16607 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258 SPARES		26-08-67
*68-17119 NASA/MSC-HOUSTON, TEXAS REVISED LM DESCENT AND ASCENT DELTA VELOCITY BUDGETS FOR THE LUNAR LANDING MISSION (W FILE W68-10,025)		27-12-67	*68-16608 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258 SPARES		07-09-67

LEM PROPULSION SYSTEM - Continued	Engines	LEM PROPULSION SYSTEM - Continued	Engines
*68-16609	BELL AEROSYSTEMS CO. DATA PACKAGE SUPPLEMENT VALVE INJECTOR ASSEMBLY BAC P/N 8258-475305-1 GAEC LSC 270-00500-110,S/N VI-1	12-08-67	
*68-16610	BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258-472111-1 GASKET,8258-472073-132 GASKET,8258-473639-3 GASKET	01-09-67	
*68-16611	BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258-473592-1 OX INLET LINE,S/N 18	17-08-67	
*68-16822	RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST PLAN FOR DECA MODEL 12 AND UP 1934380-904 LSC-300-9-1	15-07-67	
*68-16876	TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B- GAEC PARAGRAPH 5.3.2	28-09-67	
TEST AND INSPECTION		308	
*68-17194	TRW SYSTEMS TEST REPORT ON EXPERIMENTAL DESIGNS FOR THE LMDE FLOW CONTROL VALVE ELBO#	08-09-67	
PROCESS CONTROL PROCEDURES		309	
*68-17261	THIokol CHEMICAL CORP./REACTION MOTORS DIV. CONFIGURATION CONTROL PROCEDURES APPLICABLE TO ROUGH COMBUSTION CUT- OFF ASSEMBLIES FOR LM ASCENT ENGINE	03-01-64	
END ITEM NARRATIVE REPORT		313	
*68-16876	TRW SYSTEMS TRW LM DESCENT ENGINE QUALIFICATION TEST REPORT ENGINE 7-PHASE B- GAEC PARAGRAPH 5.3.2	28-09-67	
*68-16877	TRW SYSTEMS TRW LM DESCENT ENGINE-SERIAL NO. 1038-ACCEPTANCE TEST PERFORMANCE REPORT	00-00-67	
ACCEPTANCE DATA PACKAGE		314	
*68-16370	TRW SYSTEMS TRW LM DESCENT ENGINE ACCEPTANCE TEST PERFORMANCE REPORT	25-06-67	
*68-16371	TRW SYSTEMS TRW LM DESCENT ENGINE ACCEPTANCE TEST PERFORMANCE REPORT	29-06-67	
*68-17193	TRW SYSTEMS TRW LM DESCENT ENGINE,SERIAL NO. 1039 ACCEPTANCE TEST PERFORMANCE REPORT	08-12-67	
*68-17196	TRW SYSTEMS TRW LM DESCENT ENGINE,SERIAL NO. 1030 ACCEPTANCE TEST PERFORMANCE REPORT	11-12-67	
RELIABILITY ANALYSIS,DESIGN REVIEW		401	
*68-17191	TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 4	10-11-67	
CONFIGURATION MANAGEMENT PLAN		610	
*68-17243	TRW SYSTEMS TRW LM DESCENT ENGINE CONFIGURATION CONTROL PROCEDURES	13-09-67	
MONTHLY PROGRESS REPORT		701	
*68-16400	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-07-67	
*68-16923	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS,MONTHLY PROGRESS REPORT	10-08-67	
*68-17192	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-09-67	
*68-17195	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-12-67	
*68-17268	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-11-67	
*68-17328	TRW SYSTEMS LM DESCENT ENGINE PROGRESS AND STATUS REPORTS MONTHLY PROGRESS REPORT	10-10-67	
LEM REACTION CONTROL SYSTEM			
TECHNICAL DATA, REPORTS, AND ANALYSES		202	
*68-16930	MARQUARDT CORP. INSTRUMENTATION ACCURACIES AND COMPUTER PARAMETER ERROR ANALYSES	11-12-65	
*68-17115	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE, W68-17,034)	02-01-68	
TOTAL CRAFT AND MISSION ANALYSES		202-01	
*68-17115	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE, W68-10,034)	02-01-68	
*68-17123	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE,W67-10,902)(IN-67-FM-124,TRW	06-12-67	
*68-17131	NASA/MSC-HOUSTON, TEXAS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR AS-204/ LM-1,VOL. 2-ALTERNATE MISSION (W FILE,W68-10,024)	27-12-67	
*68-17151	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C APOLLO 5 204/LM-1 LM MAIN PROPULSION SUBSYSTEM FLIGHT EVALUATION PLAN	29-12-67	
COMPUTER SOFTWARE AND MECHANIZATION		202-02	
*68-17123	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE,W67-10,902)(IN-67-FM-124,TRW	06-12-67	
INTERFACE CONTROL (SYSTEMS)		207	
*68-16224	BOEING CO. / SPACE DIV. DOCKING ANALYSIS FINAL REPORT	00-05-67	
QUALIFICATION TEST REPORTS AND DATA		302	
*68-17376	GRUMMAN AIRCRAFT ENGINEERING CORP. POST TESTING HR-3P PROPELLANT FILTERS,LSC 310-125-1B	29-08-67	
END ITEM NARRATIVE REPORT		313	
*68-16922	MARQUARDT CORP. LM SHORT ELECTRICAL PULSE WIDTH ENGINE-TEST REPORT	07-09-67	
RELIABILITY TEST AND EVALUATION		405	
*68-16922	MARQUARDT CORP. LM SHORT ELECTRICAL PULSE WIDTH ENGINE-TEST REPORT	07-09-67	

SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM REACTION CONTROL SYSTEM	- Continued		LEM REACTION CONTROL SYSTEM	- Continued Tanks	
MONTHLY PROGRESS REPORT		701	MONTHLY PROGRESS REPORT		701
*68-16248	MARQUARDT CORP. MONTHLY PROGRESS REPORT FOR THE PERIOD 16 MARCH 1967 THROUGH 15 APRIL 1967	10-05-67	*68-17321	BELL AEROSYSTEMS CO. MONTHLY PROGRESS REPORT NO. 5-CM.SM.LM.RCS POSITIVE EXPULSION TANKAGE PROD IMPROVEMENT PROG	13-12-67
*68-16491	PARKER AIRCRAFT CO. MONTHLY PROGRESS REPORT PROPELLANT LATCHING VALVE P/N 5640014 (VARIOUS DASH NO.) GAEC LSC 310-403, REPORTING PERIOD JUNE 1967	14-07-67	LEM ENVIRONMENTAL CONTROL SYSTEM		
FINAL REPORT		704	CPE SPECIFICATIONS GENERAL		102
*68-17037	MARQUARDT CORP. FINAL REPORT-COLUMBIUM COMBUSTION CHAMBER DEVELOPMENT PROGRAM	22-09-67	*68-16584	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ELECTROMAGNETIC INTERFERENCE CONTROL REQUIREMENTS, ECS-LEM SYSTEM, GENERAL SPECIFICATION FOR	14-06-67
LEM REACTION CONTROL SYSTEM	Tanks		CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION		102-03-001
TECHNICAL DATA, REPORTS, AND ANALYSES		202	*68-16665	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. TRANSDUCER, DIFFERENTIAL PRESSURE, PART NO. SV 728378 AND SV 728380, PROCUREMENT SPECIFICATION (GAEC TYPE 1)	11-09-67
*68-16945	NASA/MSC-HOUSTON, TEXAS LUNAR MODULE CONSUMABLES ANALYSIS FOR MISSION AS-505/CSM-104/LM-4 (W FILE #67-10877)	28-11-67	*68-16666	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. TRANSDUCER, ABSOLUTE PRESSURE, PART NO. SV 728379, PROCUREMENT SPECIFICATION (GAEC TYPE 1)	11-09-67
TOTAL CRAFT AND MISSION ANALYSES		202-01	*68-16782	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER TANK, DESCENT METALLIC, ITEM 404, PART NO. SV 594078, SV 707778, AND SV 715129, PROCUREMENT SPECIFICATION	30-08-67
*68-17119	NASA/MSC-HOUSTON, TEXAS REVISED LM DESCENT AND ASCENT DELTA VELOCITY BUDGETS FOR THE LUNAR LANDING MISSION (W FILE #68-10,025)	27-12-67	*68-16783	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER SEPARATOR, CENTRIFUGAL, DESIGN AND TEST SPECIFICATION FOR, ITEM 109	14-09-67
*68-17176	PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS	30-06-67	*68-16784	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. VALVE-SUIT CIRCUIT DIVERTER-DESIGN AND TEST SPECIFICATION FOR, ITEM 112	28-08-67
COMPUTER SOFTWARE AND MECHANIZATION		202-02	*68-16785	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ACCUMULATOR, COOLANT, ITEM 210, DESIGN AND TEST SPECIFICATION FOR	21-09-67
*68-16838	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR REALTIME COMPUTATION OF LUNAR LANDING DESCENT TRAJECTORY (W FILE #67-10831)	25-10-67	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-17176	PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS	30-06-67	*68-17115	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE #68-10,034)	02-01-68
END ITEM NARRATIVE REPORT		313	*68-17137	LING TEMCO VOUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR, VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67
*68-16318	BELL AEROSYSTEMS CO. END ITEM NARRATIVE REPORT, TANK, OXIDIZER, REACTION CONTROL SYSTEM, SERIAL NO. 33	27-04-67	TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-16319	BELL AEROSYSTEMS CO. END ITEM NARRATIVE REPORT, TANK OXIDIZER REACTION CONTROL SYSTEM, SERIAL NO. 34	09-05-67	*68-17115	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE #68-10,034)	02-01-68
*68-16320	BELL AEROSYSTEMS CO. END ITEM NARRATIVE REPORT, TANK, FUEL REACTION CONTROL SYSTEM, SERIAL NO. 33	15-05-67	COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16321	BELL AEROSYSTEMS CO. END ITEM NARRATIVE REPORT, TANK, FUEL, REACTION CONTROL SYSTEM, SERIAL NO. 34	15-05-67	*68-17137	LING TEMCO VOUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR, VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67
*68-16778	BELL AEROSYSTEMS CO. REPORT OF VIBRATION, SHOCK, AND EXPULSION TESTING WITH PROPELLANT ON LM POSITIVE EXPULSION FUEL TANK ASSEMBLY	02-10-67	DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203
			*68-17313	PERKIN - ELMER DESIGN VERIFICATION VIBRATION TESTS	29-12-62

LEM ENVIRONMENTAL CONTROL SYSTEM - Continued

PRELIMINARY DESIGN AND REQUIREMENTS	304	
*67-15649 GARRETT CORP./AIRESEARCH MFG. DIV. ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM FOR APOLLO APPLICATION PROGRAM	00-00-66	
QUALIFICATION TEST REPORTS AND DATA	308	
*68-16285 GARRETT CORP./AIRESEARCH MFG. DIV. BLOCK 1 DELTA-QUALIFICATION TEST REPORT,OXYGEN PRESSURE REGULATOR, AIRESEARCH PART NO. 827330-6-1 (ECS ITEM 4.24)	15-05-67	
*68-16502 FAIRCHILD - HILLER / STRATOS DIV. SUPPLEMENTAL QUALIFICATION TEST RESULTS FOR LEM INTERSTAGE DISCONNECTS	31-07-67	
*68-16829 FAIRCHILD - HILLER / STRATOS DIV. INSTALLATION QUALIFICATION TEST RESULTS FOR LEM INTERSTAGE DISCONNECTS	20-09-67	
*68-16965 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. DESIGN LIMIT QUALIFICATION TEST REPORT,ITEM 122,L10H CARTRIDGE, LSC-330-122-3-5,LM ECS AIR REVITALIZATION SYSTEM	30-11-67	
*68-16969 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ENDURANCE LIMIT PENALTY QUALIFICATION-TEST REPORT LM ITEM 118-SUIT CIRCUIT FAN LSC-330-118	07-11-67	
*68-16970 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. QUALIFICATION TEST REPORT-FLUXLESS BRAZED HEAT EXCHANGER,LSC-330-101 -5-4,LM ECS	14-03-67	
*68-16971 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. DSGN LIMIT QUAL TEST RPT-LM-ECS CABIN AIR RECIRCULATION ASSY,CABIN TEMP CONTROL VALVE,WATER SHUT OFF VALVE	15-12-66	
*68-16972 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ENDURANCE QT RPT-LM ECS CABIN AIR RECIRCULATION ASSY,CABIN TEMP CONTROL VALVE,WATER SHUT OFF VALVE	12-11-67	
*68-17009 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. QUALIFICATION TEST REPORT,FLUXLESS BRAZED HEAT EXCHANGER LSC-330-111- 3-4,LM ECS	10-11-67	
*68-17374 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF EVALUATION OF EPON 919 SEALANT	29-09-67	
ACCEPTANCE TEST DATA SHEETS	303	
*68-16975 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ECS ITEM 406-WATER SHUT OFF VALVE ACCEPTANCE TEST PLAN	11-10-67	
TEST AND INSPECTION	308	
*68-17210 PALL CORP/AIRCRAFT POROUS MEDIA,INC. REPORT OF TEST ON BACTERIA FILTER,WATER APM P/N AD-8200-1,GAEC P/N LSC-330-423-1 (PREPRODUCTION)	10-10-67	
END ITEM TEST PLAN	311	
*68-16503 FAIRCHILD - HILLER / STRATOS DIV. INSTALLATION QUALIFICATION TEST PLAN FOR LEM INTERSTAGE DISCONNECTS	23-08-67	
*68-16973 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. EMERGENCY WATER BOILER,LEM ECS ITEM 107,ACCEPTANCE TEST PLAN	31-10-67	
*68-16974 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER BOILER-POROUS PLATE,LEM ECS ITEM 209,ACCEPTANCE TEST PLAN	10-06-67	
*68-16975 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ECS ITEM 406-WATER SHUT OFF VALVE ACCEPTANCE TEST PLAN	11-10-67	
*68-16976 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LOGIC GROUP J OVERSTRESS TEST PLAN	19-10-67	
*68-16977 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. REDUNDANT/SECOND PRIMARY COOLANT WATER EVAPORATOR LEM ECS ITEM 224	01-11-67	

LEM ENVIRONMENTAL CONTROL SYSTEM - Continued

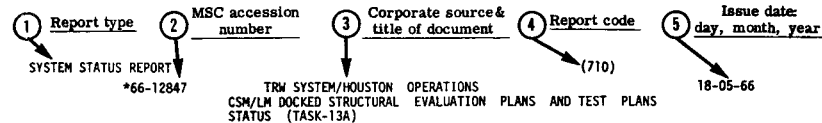
END ITEM TEST AND INSPECTION PROCEDURES	312	
*68-17374 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF EVALUATION OF EPON 919 SEALANT	29-09-67	
TRAINING PROCEDURES AND HANDBOOKS	308	
*68-17308 GRUMMAN AIRCRAFT ENGINEERING CORP. LM TRAINING ENVIRONMENTAL CONTROL SYSTEM STUDY GUIDE,LUNAR MODULE-LM- 4	00-11-67	
MONTHLY PROGRESS REPORT	701	
*68-17067 AMERICAN AIR FILTER CO., INC. PROGRESS REPORT NO. 9,DEVELOPMENT OF OXYGEN BACTERIA FILTER FOR LUNAR MODULE (FOR PERIOD ENDED SEPTEMBER 30,1967)	01-12-67	

LEM ENVIRONMENTAL CONTROL SYSTEM Crew Systems

CFE DESIGN SPECIFICATIONS	102-03	
*68-16816 WHIRLPOOL CORP./LIFE SUPPORT DEPT. DESIGN SPECIFICATION FOR URINE FLOW INDICATOR,P/N 14-0119,APOLLO, LM WASTE MANAGEMENT SYSTEM	17-05-67	
CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	102-03-001	
*68-16582 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. VALVE,SUIT CIRCUIT RELIEF-DESIGN AND TEST SPECIFICATION FOR,ITEM 117	24-07-67	
*68-16583 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. VALVE,CABIN DUMP AND RELIEF-DESIGN AND TEST SPECIFICATION FOR-ITEM 307	14-08-67	
*68-16585 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER TANK,ASCENT,METALLIC-ITEM 409	06-07-67	
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*68-16597 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ELECTRICAL TESTING,SUBASSEMBLY,LM-118 SUIT CIRCUIT FAN MOTOR	17-08-67	
*68-16598 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ENGINEERING TEST PROGRAM-LM ITEM 209	19-06-67	
*68-16599 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. TEMPERATURE AND PRESSURE AGING FOR LM 1-126,1-130,AND 1-202 PRESSURE TRANSDUCER	19-07-67	
CALIBRATION/METROLOGY SPECIFICATIONS	102-03-003	
*68-16599 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. TEMPERATURE AND PRESSURE AGING FOR LM 1-126,1-130,AND 1-202 PRESSURE TRANSDUCER	19-07-67	
PARTS SPECIFICATIONS	104-02	
*68-16600 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. VALVE,SUIT BY-PASS-ITEM 138	12-09-67	
TECHNICAL DATA, REPORTS, AND ANALYSES	202	
*68-16845 LING TEMCO VOUGHT INC. RUN TIME OPTIMIZATION (STAR, X-)	29-09-67	
*68-17137 LING TEMCO VOUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR,VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67	

SYSTEMS INDEX

TYPICAL CITATION

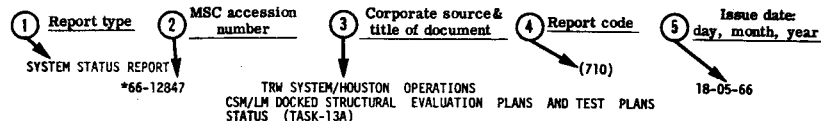


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM ENVIRONMENTAL CONTROL SYSTEM - Continued	Crew Systems		LEM ENVIRONMENTAL CONTROL SYSTEM - Continued	Crew Systems	
COMPUTER SOFTWARE AND MECHANIZATION		302-02			
*68-16845	LING TEMCO VOUGHT INC. RUN TIME OPTIMIZATION (STAR, X-)	29-09-67	*68-16595	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER BOILER-POROUS PLATE LEM ECS ITEM 209	26-06-67
*68-17137	LING TEMCO VOUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR, VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67	*68-16596	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER CONTROL MODULE LEM ECS ITEM 490	16-06-67
PRELIMINARY DESIGN AND REQUIREMENTS		204	ACCEPTANCE TEST DATA SHEETS		303
*68-16744	AMERICAN AIR FILTER CO., INC. DEVELOPMENT TEST FOR LM OXYGEN BACTERIA FILTER, TEST PLAN	00-09-67	*68-16479	PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072M3	30-08-67
QUALIFICATION TEST REPORTS AND DATA		302	*68-16594	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. CABIN DUMP AND RELIEF VALVE LEM ECS ITEM 307	20-06-67
*68-16571	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. POST QUALIFICATION TESTING LM ENVIRONMENTAL CONTROL SYSTEM	00-07-67	*68-16595	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. WATER BOILER-POROUS PLATE LEM ECS ITEM 209	26-06-67
*68-16577	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. QUALIFICATION TEST REPORT FOR ITEM 423-FLUXLIMITER (LSC-330-425-1-I)	00-07-67	TEST AND INSPECTION		308
*68-16578	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. DESIGN FEASIBILITY TEST REPORT OXYGEN SECTION, OXYGEN PRESSURE REGULATOR, LEM ITEM 306	18-01-67	*68-16815	WHIRLPOOL CORP./LIFE SUPPORT DEPT. INSPECTION PLAN FOR URINE FLOW INDICATOR, P/N 14-0119, APOLLO BLOCK 2	11-09-67
*68-16579	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. QUALIFICATION TEST REPORT, FLUX-LESS BRAZED HEAT EXCHANGER LSC-330-204, LM ENVIRONMENTAL CONTROL SYSTEM	22-08-67	END ITEM TEST PLAN		311
*68-16580	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LIMITATOR QUALIFICATION EVALUATION TEST PROGRAM, VOLUME 1, FINAL TEST REPORT	11-09-67	*68-16479	PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072M3	30-08-67
*68-16581	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. SUBLIMATOR QUALIFICATION EVALUATION TEST PROGRAM, VOLUME 2, FINAL TEST REPORT	11-09-67	*68-16574	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. MOTOR ENDURANCE TEST-ITEM 191-CABIN AIR RECIRCULATION ASSEMBLY (ASU-06752)	06-06-67
*68-16587	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ECS DESIGN AND ENDURANCE LIMIT QUALIFICATION TEST PLAN FOR ITEM 209F HIGH PERFORMANCE WATER EVAPORATOR	25-07-67	*68-16575	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. POST QUALIFICATION TESTING, LUNAR MODULE-ENVIRONMENTAL CONTROL SYSTEM, LM ITEM 190	23-08-67
*68-16588	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. 390 DESIGN LIMIT PENALTY QUALIFICATION TEST	30-08-67	*68-16576	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ITEM 118 SUIT CIRCUIT FAN-ELECTRONIC PACKAGE TEMPERATURE FEASIBILITY TEST REPORT	00-07-67
*68-16589	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ECS DESIGN AND ENDURANCE LIMIT QUALIFICATION TEST PLAN FOR ITEM 107 WATER EVAPORATOR, SUIT CIRCUIT	18-08-67	*68-16591	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ITEM 190 SUIT CIRCUIT PACKAGE OVERSTRESS TEST PLAN	26-06-67
*68-16590	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ECS DESIGN AND ENDURANCE LIMIT QUAL TEST PLAN FOR ITEM 224 WATER EVAPORATOR, REDUNDANT/SECOND PRIMARY TEST	07-08-67	*68-16594	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. CABIN DUMP AND RELIEF VALVE LEM ECS ITEM 307	20-06-67
*68-16591	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM ITEM 190 SUIT CIRCUIT PACKAGE OVERSTRESS TEST PLAN	26-06-67	*68-16932	NASA / MSC - HOUSTON / CREW SYSTEM DIV. APOLLO EMU ALT VERIFY TEST PLAN FOR UNMANNED/MANNED PG4 VALIDATION AND PLSS RECHARGE IN SUPPORT OF IES AND LTA-B TEST PRO(S)	23-10-67
*68-16592	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LOGIC GROUP E-2 OVERSTRESS TEST PLAN	21-07-67	END ITEM TEST AND INSPECTION PROCEDURES		312
*68-16593	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ITEM 323 OVERSTRESS TESTS	30-06-67	*68-16479	PARKER AIRCRAFT CO. END ITEM TEST PLAN AND TEST PROCEDURE ECS HIGH PRESSURE OXYGEN CONTROL ASSY. ON 5650072M3	30-08-67
*68-16594	HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. CABIN DUMP AND RELIEF VALVE LEM ECS ITEM 307	26-06-67	*68-16480	PARKER AIRCRAFT CO. QUALIFICATION TEST PLAN AND PROCEDURE, ECS HIGH PRESSURE OXYGEN CONTROL ASSEMBLY, PN 5650072M3	30-08-67
			*68-16561	PARKER AIRCRAFT CO. DESIGN EVALUATION TEST PROCEDURE, BELLOWS, OXYGEN REGULATOR, PN 5671211	08-09-67

LEM ENVIRONMENTAL CONTROL SYSTEM - Continued	Crew Systems	LEM ELECTRICAL POWER SYSTEM - Continued
*68-16562 PARKER AIRCRAFT CO. DESIGN EVALUATION TEST PROCEDURE, BELLOWS, BYPASS RELIEF VALVE PN 56712 16	08-09-67	DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS 203
RELIABILITY ANALYSIS, DESIGN REVIEW 401		*67-14135 GRUMMAN AIRCRAFT ENGINEERING CORP. ACCEPTANCE TEST PLAN FOR DELAY TIMER LOW 390-28060-3 18-01-68
*68-16814 WHIRLPOOL CORP./LIFE SUPPORT DEPT. FAILURE MODE, EFFECTS AND CRITICALITY ANALYSIS-APOLLO BLOCK 2 URINE FLOW INDICATOR 17-09-67		*68-16568 EAGLE-PICHER COMPANY DESIGN FEASIBILITY PHASE, DEVELOPMENT PROGRAM-DETAIL TEST REPORT LEM BATTERY, PRIMARY ASCENT AND DESCENT
HANDBOOKS FLIGHT CREW OPERATIONS 308		QUALIFICATION TEST REPORTS AND DATA 302
*68-16504 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK, LM 2, VOLUME 2 01-01-67		*68-16203 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS FOR ACCEPTANCE, QUALIFICATION TEST OF MODULE ASSEMBLY, PANEL 2 (LCG 390-036) 19-07-67
*68-17227 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK-LUNAR MODULE 3, VOLUME 2, OPERATIONAL PROCEDURES 01-01-68		*68-16494 EXPLOSIVE TECHNOLOGY INC. QUALIFICATION TEST REPORT, LUNAR EXCURSION MODULE DESCENT STAGE UMBILICAL CABLE CUTTER ASSEMBLY 15-06-67
MONTHLY PROGRESS REPORT 701		*68-16569 EAGLE-PICHER COMPANY SUPPLEMENT NO. 1 POST-QUALIFICATION TEST PHASE, DETAIL TEST REPORT, LEM BATTERY PRIMARY, ASCENT STAGE, LCG-390-008 08-09-67
*68-16380 AMERICAN AIR FILTER CO., INC. MONTHLY PROGRESS REPORT NO. 8, DEVELOPMENT OF OXYGEN BACTERIA FILTER FOR LUNAR MODULE (FOR PERIOD EXTENDING JUNE 30, 1967) 10-08-67		*68-16570 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. LM GENERAL PURPOSE INVERTER PHASE 2 QUALIFICATION TEST 08-07-67
FINAL REPORT 704		*68-16605 EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE, DETAIL TEST REPORT LEM BATTERY, PRIMARY DESCENT STAGE 31-07-67
*68-16580 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. SUBLIMATOR QUALIFICATION EVALUATION TEST PROGRAM, VOLUME 1, FINAL TEST REPORT 11-09-67		*68-16756 EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO. LCG-390-009 29-09-67
*68-16581 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. SUBLIMATOR QUALIFICATION EVALUATION TEST PROGRAM, VOLUME 2, FINAL TEST REPORT 11-09-67		ACCEPTANCE TEST DATA SHEETS 303
LEM ELECTRICAL POWER SYSTEM		*68-16569 EAGLE-PICHER COMPANY SUPPLEMENT NO. 1 POST-QUALIFICATION TEST PHASE, DETAIL TEST REPORT, LEM BATTERY PRIMARY, ASCENT STAGE, LCG-390-008 08-09-67
CFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION 102-03-001		*68-16756 EAGLE-PICHER COMPANY POST-QUALIFICATION TEST PHASE DETAIL TEST REPORT, LEM BATTERY PRIMARY DESCENT STAGE, IDENTIFICATION NO. LCG-390-009 29-09-67
*66-13131 GRUMMAN AIRCRAFT ENGINEERING CORP. DESIGN CONTROL SPECIFICATION FOR LIGHTING CONTROL ASSEMBLY-ELECTRICAL POWER SUBSYSTEM 14-12-66		PROCESS CONTROL PROCEDURES 309
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002		*68-16291 EAGLE-PICHER COMPANY MATERIAL REVIEW BOARD PROCEDURE FOR GRUMMAN AIRCRAFT ENGINEERING CORP 28-07-67
*68-16597 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ELECTRICAL TESTING, SUBASSEMBLY, LM-118 SUIT CIRCUIT FAN MOTOR 17-08-67		END ITEM TEST AND INSPECTION PROCEDURES 312
PARTS SPECIFICATIONS 104-02		*68-16341 GRUMMAN AIRCRAFT ENGINEERING CORP. ELECTRICAL CIRCUIT INTERRUPTER (DEAD FACE SWITCH) CYCLING PROCEDURE 21-07-67
*67-14135 GRUMMAN AIRCRAFT ENGINEERING CORP. ACCEPTANCE TEST PLAN FOR DELAY TIMER LOW 390-28060-3 18-01-68		*68-16446 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF FEASIBILITY TEST OF TERMINAL SEALANTS 17-08-67
TECHNICAL DATA, REPORTS, AND ANALYSES 202		*68-16481 EAGLE-PICHER COMPANY END ITEM TEST AND INSPECTION PROCEDURES FOR EAGLE-PICHER BATTERY MAP 4323, REVISION C, 28 JUNE 1967 28-06-67
*68-16945 NASA/MSC-HOUSTON, TEXAS LUNAR MODULE CONSUMABLES ANALYSIS FOR MISSION AS-505/CSM-164/LM-4 (W FILE, W67-10877) 28-11-67		*68-16482 EAGLE-PICHER COMPANY END ITEM TEST AND INSPECTION PROCEDURES FOR EAGLE-PICHER BATTERIES MAP 4324 AND MAP 4324-3, REVISION C, 28 JUNE 1967 28-06-67
*68-17115 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE, W68-10,034) 02-01-68		END ITEM NARRATIVE REPORT 313
TOTAL CRAFT AND MISSION ANALYSES 202-01		*68-16572 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. END ITEM NARRATIVE REPORT LEM GENERAL PURPOSE INVERTER, S/N 125 20-06-67
*68-17115 NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY-VOL. IV-CONSUMABLES ANALYSIS (W FILE, W68-10,034) 02-01-68		*68-16573 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. END ITEM NARRATIVE REPORT LEM GENERAL PURPOSE INVERTER S/N 126 20-06-67
COMPUTER SOFTWARE AND MECHANIZATION 202-02		RELIABILITY TEST AND EVALUATION 405
*68-17185 TRW SYSTEMS/HOUSTON OPERATIONS PROGRAMMING MANUAL LUNAR MODULE ELECTRICAL POWER SYSTEM PROGRAM HX007A TASK MSC/TRW A-166 22-01-68		*68-16197 EAGLE-PICHER COMPANY QUALIFICATION/RELIABILITY TEST PHASE DETAIL TEST REPORT SWITCH ASSEMBLY, DISCRETE THERMAL BATTERY INSTRUMENTATION 28-07-67

SYSTEMS INDEX

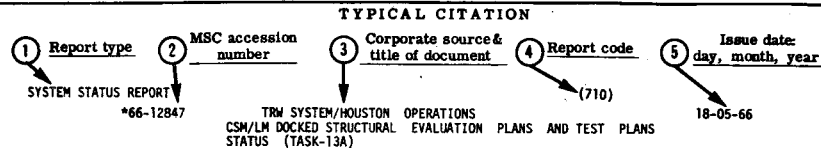
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM ELECTRICAL POWER SYSTEM - Continued			LEM COMMUNICATIONS AND INSTRUMENTATION - Continued		
TEST PLAN		603	ACCEPTANCE TEST DATA SHEETS		303
*67-14675 GRUMMAN AIRCRAFT ENGINEERING CORP. HSC-1 (EST.LTA-1) TEST PLAN,HOUSE SPACECRAFT (ELECTRONICS INTEGRATION		01-11-65	*68-16749 RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST VHF TRANSCEIVER ASSEMBLY MODEL NO. P-25		29-08-67
..... MONTHLY PROGRESS REPORT		701	*68-17051 DALMO VICTOR, CO. END ITEM INSPECTION AND ACCEPTANCE TEST DATA SHEETS-LEM S-BAND STEERABLE ANTENNA ASSEMBLY		27-10-67
*68-17090 YARDNEY ELECTRIC CORP. DEVELOPMENT OF LIGHTWEIGHT SILVER OXIDE ZINC BATTERY FOR LM ASCENT STAGE-MPR NO. 10		00-12-67	..... PROCESS CONTROL PROCEDURES		309
..... FINAL REPORT		704	*68-17095 RCA / DEFENSE ELECTRONIC PRODUCTS RCA LEM CONFIGURATION CONTROL PROCEDURE		15-12-65
*68-16777 EAGLE-PICHER COMPANY CELL AND BATTERY TEST FINAL REPORT OF THE DEVELOPMENT PROGRAM DETAIL TEST PLAN,LEM BATTERY,PRIMARY,ASCENT AND DESCENT		20-09-67	..... END ITEM TEST PLAN		311
*68-16921 EAGLE-PICHER COMPANY CELL AND BATT TEST PHASE DEVEL PRO,DETAILED TEST PLAN,LM BATT,PRIM, ASC/DES,HEAT GENERATION,THERMAL/ELEC,FINAL RPT		16-10-67	*67-15570 AVCO/ELECTRONICS DIV. END ITEM ACCEPTANCE TEST PLAN FOR LM DIGITAL UPLINK ASSEMBLY		20-07-67
LEM COMMUNICATIONS AND INSTRUMENTATION			*68-16492 AVCO/ELECTRONICS DIV. QUALIFICATION TEST PLAN FOR LUVAR MODULE DIGITAL UPLINK ASSEMBLY PART NO. 354100		20-07-67
TECHNICAL DATA, REPORTS, AND ANALYSES		202	..... END ITEM TEST AND INSPECTION PROCEDURES		312
*68-16616 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY UNIFIED S-BAND COMMUNICATION SYSTEM ABORT MODE ANALYSIS ASPO TASK 9C		08-09-67	*68-16272 RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR RENDEZVOUS RADAR ELECTRONIC ASSEMBLY		09-05-67
*68-16870 TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF TELEMETRY DEGRADATION DUE TO BACKUP VOICE INTERFERENCE		26-10-67	..... END ITEM NARRATIVE REPORT		313
*68-17036 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUN-DANCE, DANCE SECT. 4 (STAR)		00-12-67	*68-16748 RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT,LEM COMMUNICATIONS SUBSYSTEM VHF TRANSCEIVE R AND DIPLEXER,PRODUCTION MODEL SERIAL NO. 125		00-00-67
*68-17088 TRW SYSTEMS/HOUSTON OPERATIONS LM-1 TELEMETRY SYSTEM PERFORMANCE BIT TRANSITION DENSITY REPORT		05-01-68	..... ACCEPTANCE DATA PACKAGE		314
*68-17148 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COMMUNICATION SYSTEMS TASK E-59A TECHNICAL REPORT CSM TELECOMMUNICATIONS SYSTEM ANALYSIS-PART 1 (STAR FILE)		05-01-68	*68-16381 CERRO WIRE AND CABLE CO. DESIGN FEASIBILITY TEST REPORT LEM RF COAXIAL CABLES		06-06-67
..... COMPUTER SOFTWARE AND MECHANIZATION		202-02	..... CONFIGURATION MANAGEMENT PLAN		610
*68-17036 MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUN-DANCE, DANCE SECT. 4 (STAR)		00-12-67	*68-17095 RCA / DEFENSE ELECTRONIC PRODUCTS RCA LEM CONFIGURATION CONTROL PROCEDURE		15-12-65
..... DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	..... MONTHLY PROGRESS REPORT		701
*68-16381 CERRO WIRE AND CABLE CO. DESIGN FEASIBILITY TEST REPORT LEM RF COAXIAL CABLES		06-06-67	*68-16791 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY STATUS RPT FOR PERF AND I/F SPECS AND I/F CONTROL DOC,COMM SYS CONTROL DOC VALIDATION FOR SC/GND I/F,TASK E-58		01-10-67
*68-17052 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. QUALIFICATION TEST REPORT-FLUX-LESS BRAZED HEAT EXCHANGER,LSC-330-106- 5-3,LEM ENVIRONMENTAL CONTROL SYSTEM		10-11-67	*68-17096 RCA / DEFENSE ELECTRONIC PRODUCTS LEM MONTHLY PROGRESS REPORT LUVAR EXCURSION MODULE RADAR EQUIPMENT		30-09-65
..... QUALIFICATION TEST REPORTS AND DATA		302	*68-17330 RCA / DEFENSE ELECTRONIC PRODUCTS PROGRESS REPORT,LM VHF RANGING,MONTHLY REPORT NO 1		10-11-67
*68-16381 CERRO WIRE AND CABLE CO. DESIGN FEASIBILITY TEST REPORT LEM RF COAXIAL CABLES		06-06-67	*68-17357 RCA / DEFENSE ELECTRONIC PRODUCTS PROGRESS REPORT,LM VHF RANGING,MONTHLY REPORT NO 2		10-12-67

LEM COMMUNICATIONS AND INSTRUMENTATION		LEM/Earth System	LEM COMMUNICATIONS AND INSTRUMENTATION - Continued	LEM/Earth System	
CPE SYSTEMS SPECIFICATIONS		102-01	*68-17220	AVCO/ELECTRONICS DIV. DESIGN REPORT FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY-VOLUME 2	06-09-67
*68-16947	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE	14-11-67	INTERFACE CONTROL (SYSTEMS) 307		
CPE INTERFACE SPECIFICATIONS		102-02	*68-16987	TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS	13-10-67
*68-16947	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE	14-11-67	QUALIFICATION TEST REPORTS AND DATA 302		
CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION		102-03-001	*68-16395	RCA / DEFENSE ELECTRONIC PRODUCTS FINAL TEST REPORT FOR SEMICONDUCTOR DIODE, SILICON VOLTAGE VARIABLE CAPACITANCE	06-07-67
*68-16825	RCA / DEFENSE ELECTRONIC PRODUCTS LEM EQUIPMENT SPECIFICATION COMMUNICATIONS SUBSYSTEM SPECIFIC REQUIREMENTS FOR SIGNAL PROCESSOR ASSEMBLY	05-10-67	*68-16476	DALMO VICTOR, CO. FINAL (DETAIL) TEST REPORT FOR POST DESIGN LIMIT QUAL. TEST PROCEDURE FOR LEM S-BAND STEERABLE ANTENNA ASSY.	12-06-67
TECHNICAL DATA, REPORTS, AND ANALYSES		202	END ITEM TEST AND INSPECTION PROCEDURES 312		
*68-16477	DALMO VICTOR, CO. THERMAL ANALYSIS OF THE LEM S-BAND STEERABLE ANTENNA	00-06-67	*68-16826	RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR TRANSPONDER ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP)	18-09-67
*68-16917	TRW SYSTEMS/HOUSTON OPERATIONS LM DIGITAL UPLINK ASSEMBLY PERFORMANCE	10-11-67	*68-17281	DALMO VICTOR, CO. END-ITEM INSPECTION AND ACCEPTANCE TEST PROCEDURE FOR LEM S-BAND STEERABLE ANTENNA ASSEMBLY	12-01-68
*68-16950	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY ANALYSIS OF THE LM AND CSM ANTENNA TRACKING SYSTEMS LM * CSM S-BAND ANTENNA TRACKING STUDIES TASK E-534	24-10-67	MONTHLY PROGRESS REPORT 701		
*68-16996	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSIONS USING PROGRAM SUNDISK (STAR-) SEC 2 GNCS DATA LINKS	22-11-67	*68-16378	AVCO/ELECTRONICS DIV. MONTHLY PROGRESS REPORT NO. 4 FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY	10-07-67
*68-17106	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SECTION 2, DATA LINKS	00-12-67	*68-16925	AVCO/ELECTRONICS DIV. MONTHLY PROGRESS REPORT NO. 5 FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY	10-08-67
TOTAL CRAFT AND MISSION ANALYSES		202-01	*68-17259	AVCO/ELECTRONICS DIV. MONTHLY PROGRESS REPORT NO. 7 FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY	10-10-67
*68-16953	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO C/S LUNAR AND LUNAR ORBIT ATTITUDE CONSTRAINTS AND ENVELOPES-VOL. 1	01-10-67	*68-17260	AVCO/ELECTRONICS DIV. MONTHLY PROGRESS REPORT NO. 8 FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY	10-11-67
*68-17123	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE #67-10,902)(IN-67-FM-124, TRW	06-12-67	*68-17334	AVCO/ELECTRONICS DIV. MONTHLY PROGRESS REPORT NO 9 FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY	10-12-67
COMPUTER SOFTWARE AND MECHANIZATION		202-02	FINAL REPORT 704		
*68-16987	TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS	13-10-67	*68-16553	DALMO VICTOR, CO. FINAL TEST REPORT FOR DESIGN FEASIBILITY TESTS ON LEM S-BAND STEERABLE ANTENNA	11-08-67
*68-17106	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED LM EARTH ORBITAL MISSIONS USING PROGRAM SUNDANCE SECTION 2, DATA LINKS	00-12-67	LEM COMMUNICATIONS AND INSTRUMENTATION		
*68-17123	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY DISPERSION ANALYSIS OF THE FIRST ACTIVE RENDEZVOUS OF THE AS-207/206/103/LM-2 MISSION (W FILE #67-10,902)(IN-67-FM-124, TRW	06-12-67	LEM/CM		
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS		203	CPE SYSTEMS SPECIFICATIONS		102-01
*68-17219	AVCO/ELECTRONICS DIV. DESIGN REPORT FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY-VOLUME 1	16-06-65	*68-16947	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE	14-11-67
*68-17220	AVCO/ELECTRONICS DIV. DESIGN REPORT FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY-VOLUME 2	00-09-67	CPE INTERFACE SPECIFICATIONS		102-02
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*68-16947	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE	14-11-67
*68-16553	DALMO VICTOR, CO. FINAL TEST REPORT FOR DESIGN FEASIBILITY TESTS ON LEM S-BAND STEERABLE ANTENNA	11-08-67	TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-17219	AVCO/ELECTRONICS DIV. DESIGN REPORT FOR LUNAR MODULE DIGITAL UPLINK ASSEMBLY-VOLUME 1	16-06-65	*66-11331	GRUMMAN AIRCRAFT ENGINEERING CORP. KSC RF LINK MARGIN ANALYSIS REPORT	05-05-66

SYSTEMS INDEX

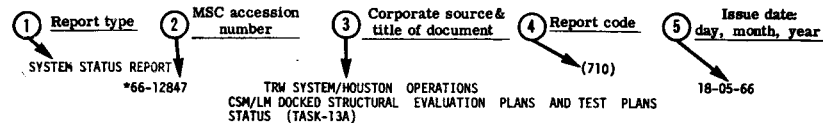


SYSTEM: LEM COMMUNICATIONS AND INSTRUMENTATION - Continued	SUBSYSTEM: LEM/CM	MAJOR EQUIPMENT GROUP:	SYSTEM: LEM COMMUNICATIONS AND INSTRUMENTATION - Continued	SUBSYSTEM: LEM/Instrumentation	MAJOR EQUIPMENT GROUP:
QUALIFICATION TEST REPORTS AND DATA 302 *68-16823 RCA / DEFENSE ELECTRONIC PRODUCTS LM ENVIRONMENTAL ENDURANCE QUALIFICATION TEST PROCEDURE FOR TRANSPONDER ELECTRONIC ASSEMBLY-REV. D EGN R8-3424 28-09-67 END ITEM TEST PLAN 311 *68-16824 RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM TEST PLAN FOR TRANSPONDER ELECTRONIC ASSEMBLY (PRODUCTION MODELS 8 AND UP) 11-09-67 END ITEM TEST AND INSPECTION PROCEDURES 312 *68-16237 RCA / DEFENSE ELECTRONIC PRODUCTS LM END ITEM INSPECTION AND TEST PROCEDURE FOR TRANSPONDER ELECTRONIC ASSEMBLY 10-08-67			*68-17347 AMERICAN BOSCH ARMA CORP. LM SIGNAL CONDITIONING ELECTRONIC ASSEMBLY DESIGN VERIFICATION TEST REPORT,EMI TESTS 16-10-67 QUALIFICATION TEST REPORTS AND DATA 302 *68-17312 ELECTRO OPTICAL SYSTEMS,INC. QUALIFICATION TEST REPORT FOR TRANSDUCER ABSOLUTE PRESS-MODELS 1025 AND 1026 13-12-67 *68-17341 AMERICAN BOSCH ARMA CORP. LM SCSA QUALIFICATION TEST REPORT,ITT CANNON ELECTRIC 75 CONTACT MINIATURE CONNECTOR,ARMA PART NUMBER 4-07861 13-06-67 *68-17361 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF DROP TEST FOR CERTIFICATION OF THE LUNAR SURFACE SENSING PROBE 21-08-67 ACCEPTANCE TEST DATA SHEETS 303 *68-16246 LEACH CORPORATION APPENDIX A END ITEM TEST AND INSPECTION DATA SHEETS (ACCEPTANCE TEST DATA SHEETS) FOR DATA STORAGE ELECTRONICS ASSEMBLY 23-06-67 *68-16463 RCA / DEFENSE ELECTRONIC PRODUCTS ACCEPTANCE TEST VHF TRANSCEIVER ASSEMBLY,MODEL NO. P-23 08-03-67 *68-16487 EDO CORPORATION END ITEM TEST AND INSPECTION SHEETS,LM LSSP ACCEPTANCE TEST DATA,S/N 107,110 THRU 116 00-00-67 *68-16490 RADIATION INCORPORATED PERFORMANCE TEST DATA SHEETS,LEM PCMTEA,PREPRODUCTION MODEL 0001-R AND PRODUCTION MODELS 29-06-67 *68-16556 RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT,SYSTEM NO. 114 11-08-67 *68-16557 RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT,SYSTEM NO. 115 17-08-67 *68-16558 RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT,SYSTEM NO. 116 28-08-67 *68-16614 ELECTRO OPTICAL SYSTEMS,INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE,PART NO. LSC 360-628-1-1B,S/N 119 05-09-67 *68-16615 ELECTRO OPTICAL SYSTEMS,INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE PART NO. LSC 360-628-1-1B,S/N 120 05-09-67 *68-17367 AMERICAN BOSCH ARMA CORP. LEM CAUTION AND WARNING ELECTRONICS ASSY ACPT TEST PROCED/DATA SHEETS P/N LSC-360-8-11-4,S/N 109 FOR P-12 (LM-4) 20-09-66 *68-17368 AMERICAN BOSCH ARMA CORP. LEM CAUTION AND WARNING ELECTRONICS ASSY ACPT TEST PROCED/DATA SHEETS P/N LSC-8-11-1,S/N 108 FOR P-8 (LM-2) 01-02-68 *68-17418 AMERICAN BOSCH ARMA CORP. LM SCSA (ELECTRO REPLACEABLE ASSY ERA-1/ERA-2,S/N 101) ACCEPT TEST PROCEDURES/DATA SHEETS FOR P-8 (LM-2),P-10 (LM,3),P-12(LM-4) 00-00-67		
LEM COMMUNICATIONS AND INSTRUMENTATION LEM/Crew Member					
CFE SYSTEMS SPECIFICATIONS 102-01 *68-16947 TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE 14-11-67 CFE INTERFACE SPECIFICATIONS 102-02 *68-16947 TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE 14-11-67					
LEM COMMUNICATIONS AND INSTRUMENTATION LEM/Instrumentation					
CFE SPECIFICATIONS GENERAL 102 *68-16780 ELECTRO OPTICAL SYSTEMS,INC. PROCEDURE FOR THE CLEANING,PACKAGING,AND PACKING OF THE PQMD 24-08-67 CALIBRATION/METROLOGY SPECIFICATIONS 102-03-003 *68-16552 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPEC LEAK DETECTOR ASSEMBLY MASS SPECTROMETER, HELIUM LSC 430-52000 22-08-67 TECHNICAL DATA, REPORTS, AND ANALYSES 202 *68-16930 MARGUARDT CORP. INSTRUMENTATION ACCURACIES AND COMPUTED PARAMETER ERROR ANALYSES 11-12-65 DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01 *68-16403 RADIATION INCORPORATED ACCEPTANCE TEST PROCEDURE LEM PCMTEA PRE-PRODUCTION MODEL 0001-R AND PRODUCTION MODELS 17-07-67 *68-17343 DAYTON T BROWN,INC. EMI AND SUSCEPTIBILITY TESTS CONDUCTED ON ONE SIGNAL CONDITIONER ELECTRONIC ASSY ERA-1 P9,P/N 4-08176-003,S/N 101,VOL 1 05-09-67 *68-17344 DAYTON T BROWN,INC. EMI AND SUSCEPTIBILITY TESTS CONDUCTED ON ONE SIGNAL CONDITIONER ELECTRONIC ASSY ERA-1 P9,P/N 4-08176-003,S/N 101,VOL 2 05-09-67					

LEM COMMUNICATIONS AND INSTRUMENTATION - Continued		LEM/Instrumentation	LEM COMMUNICATIONS AND INSTRUMENTATION - Continued		LEM/Instrumentation
END ITEM TEST PLAN		314			
*68-17337	AMERICAN BOSCH ARMA CORP. LEM SIGNAL CONDITIONING ELECTRONIC ASSEMBLY, DETAIL TEST PLAN FOR DESIGN VERIFICATION TESTS	03-10-67	*68-16662	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 122	18-09-67
*68-17338	AMERICAN BOSCH ARMA CORP. LEM SIGNAL CONDITIONING ELECTRONIC ASSEMBLY, DETAIL TEST PLAN FOR QUALIFICATION TESTS AND SUPPLEMENTAL QUALIFICATION TEST	30-11-67	*68-16663	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 124	18-09-67
*68-17342	AMERICAN BOSCH ARMA CORP. LEM SIGNAL CONDITIONING ELECTRONIC ASSEMBLY DETAIL TEST PLAN FOR DESIGN VERIFICATION TESTS	03-10-67	ACCEPTANCE DATA PACKAGE		314
END ITEM TEST AND INSPECTION PROCEDURES		312	*68-16271	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 113	03-08-67
*67-15635	EDO CORPORATION DESIGN VERIFICATION TESTS LUNAR SURFACE SENSING PROBE FOR LEM, FINAL REPORT	08-04-67	*68-16612	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC-360-628-1-1B, S/N 117	05-09-67
*67-15636	EDO CORPORATION END ITEM TEST PLAN-TEST AND INSPECTION PROCEDURE LUNAR SURFACE SENSING PROBE FOR LEM	19-06-67	*68-16613	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 118	05-09-67
*68-16242	ELECTRO OPTICAL SYSTEMS, INC. LIFE TEST PROCEDURE, PQMD, P/N LSC-360-628-1	21-07-67	*68-16661	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, SERIAL NUMBER 121	18-09-67
*68-17367	AMERICAN BOSCH ARMA CORP. LEM CAUTION AND WARNING ELECTRONICS ASSY ACPT TEST PROCED/DATA SHEETS P/N LSC-360-8-11-4, S/N 109 FOR P=12 (LM-4)	20-09-66	*68-16662	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 122	18-09-67
*68-17368	AMERICAN BOSCH ARMA CORP. LEM CAUTION AND WARNING ELECTRONICS ASSY ACPT TEST PROCED/DATA SHEETS P/N LSC-8-11-1, S/N 108 FOR P=8 (LM-2)	01-02-68	*68-16663	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 124	18-09-67
*68-17418	AMERICAN BOSCH ARMA CORP. LM SCEA (ELECTRO REPLACEABLE ASSY ERA-1/ERA-2, S/N 101) ACCEPT TEST PROCEDURES/DATA SHEETS FOR P=9 (LM-2), P=10 (LM,3), P=12 (LM-4)	08-00-67	*68-17312	ELECTRO OPTICAL SYSTEMS, INC. QUALIFICATION TEST REPORT FOR TRANSDUCER ABSOLUTE PRESS-MODELS 1025 AND 1026	13-12-67
END ITEM NARRATIVE REPORT		313	CERTIFICATION TEST NETWORKS AND REQUIREMENTS		314
*68-16245	LEACH CORPORATION END ITEM NARRATIVE REPORT, LEM DSEA, LSC-360-12-5, S/N 124	23-06-67	*68-17361	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF DROP TEST FOR CERTIFICATION OF THE LUNAR SURFACE SENSING PROBE	21-08-67
*68-16464	RCA / DEFENSE ELECTRONIC PRODUCTS END ITEM NARRATIVE REPORT, LEM COMMUNICATIONS SUBSYS VHF TRANSCIVER AND DIPLEXER, PRODUCTION MODEL S/N 123	15-07-67	TEST PLAN		683
*68-16556	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 114	11-08-67	*67-14675	GRUMMAN AIRCRAFT ENGINEERING CORP. HSC-1 (EST, LTA-1) TEST PLAN, HOUSE SPACECRAFT (ELECTRONICS INTEGRATION)	01-11-65
*68-16557	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 115	17-08-67	MONTHLY PROGRESS REPORT		781
*68-16558	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 116	28-08-67	*66-11636	AVCO/ELECTRONICS DIV. LUNAR EXCURSION MODULE DIGITAL COMMAND ASSEMBLY MONTHLY PROGRESS REPORT NO. 4- PERIOD JUNE 1965	09-07-65
*68-16612	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC-360-628-1-1B, S/N 117	05-09-67	*68-16243	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF PROPELLANT QUANTITY MEASURING DEVICE, MONTHLY PROGRESS REPORT, 1 JUNE TO 30 JUNE 1967	10-07-67
*68-16613	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 118	05-09-67	*68-16244	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF WATER QUANTITY MEASURING DEVICES, MONTHLY PROGRESS REPORT, 1 JUNE TO 30 JUNE 1967	10-07-67
*68-16614	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, S/N 119	05-09-67	*68-16274	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF PROPELLANT QUANTITY MEASURING DEVICE MONTHLY PROGRESS REPORT	10-08-67
*68-16615	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE PART NO. LSC 360-628-1-1B, S/N 120	05-09-67	*68-16286	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF WATER QUANTITY MEASURING DEVICES, MONTHLY PROGRESS REPORT, 1 JULY TO 31 JULY 1967	10-08-67
*68-16661	ELECTRO OPTICAL SYSTEMS, INC. NARRATIVE END ITEM REPORT FOR THE PROPELLANT QUANTITY MEASURING DEVICE, PART NO. LSC 360-628-1-1B, SERIAL NUMBER 121	18-09-67	*68-16377	LEACH CORPORATION LEM DSEA AND TEST STATION MONTHLY PROGRESS REPORT COVERING 1 JUNE THROUGH 30 JUNE 1967	00-04-67
			*68-16555	RADIATION INCORPORATED MONTHLY PROGRESS REPORT, LEM PULSE CODE MODULATION AND TIMING ELECTRONICS ASSEMBLY (PCMTEA)	14-09-67
			*68-16760	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF WATER QUANTITY MEASURING DEVICES, MONTHLY PROGRESS REPORT FOR AJG, 1967	10-09-67

SYSTEMS INDEX

TYPICAL CITATION

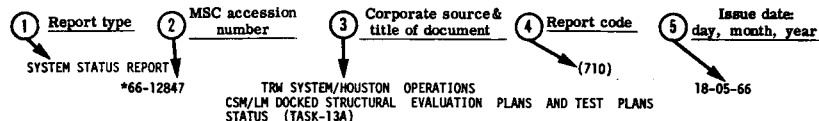


SYSTEM: LEM COMMUNICATIONS AND INSTRUMENTATION - Continued	SUBSYSTEM: LEM/Instrumentation	MAJOR EQUIPMENT GROUP:	SYSTEM: LEM COMMUNICATIONS AND INSTRUMENTATION - Continued	SUBSYSTEM: Controls and Displays	MAJOR EQUIPMENT GROUP:
*68-16761	ELECTRO OPTICAL SYSTEMS, INC. DEVELOPMENT, PRODUCTION, AND DELIVERY OF PROPELLANT QUANTITY MEASURING DEVICE, MONTHLY PROGRESS REPORT FOR AUG, 1967	10-09-67	*68-17043	HONEYWELL / MILITARY PRODUCTS GROUP REPORT OF POST QUALIFICATION TEST ON J6 903A2 SERVOMETRIC INDICATOR	00-05-67
*68-17362	AMERICAN BOSCH ARMA CORP. LM SIGNAL CONDITIONING ELECTRONICS ASSEMBLY MONTHLY PROGRESS REPORT NO 24 COVERING MARCH 1967	10-04-67	*68-17044	HONEYWELL / MILITARY PRODUCTS GROUP REPORT OF POST QUALIFICATION TEST ON J690541 SERVOMETRIC INDICATOR	00-05-67
*68-17363	AMERICAN BOSCH ARMA CORP. LM SIGNAL CONDITIONING ELECTRONICS ASSEMBLY MONTHLY PROGRESS REPORT NO 25 COVERING APRIL 1967	10-05-67	.....	ACCEPTANCE TEST DATA SHEETS 303	
*68-17420	AMERICAN BOSCH ARMA CORP. LM CAUTION AND WARNING ELECTRONICS ASSEMBLY MONTHLY PROGRESS REPORT NO 28 AND 29 COVERING MARCH AND APRIL 1967	00-00-67	*68-16485	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 117	26-07-67
LEM COMMUNICATIONS AND INSTRUMENTATION Controls and Displays			*68-16486	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LEM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 118	18-08-67
GFE SPECIFICATIONS GENERAL 102			*68-16563	LEAR SIEGLER, INC. / INSTRUMENT DIVISION ACCEPTANCE TEST PROCEDURES FOR LSI MODEL 4068E, INDICATOR ATTITUDE	30-06-67
*68-16563	LEAR SIEGLER, INC. / INSTRUMENT DIVISION ACCEPTANCE TEST PROCEDURES FOR LSI MODEL 4068E, INDICATOR ATTITUDE	30-06-67	*68-16566	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 120	06-09-67
GFE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION 102-03-001			TEST AND INSPECTION 308		
*68-17335	AMERICAN BOSCH ARMA CORP. DETAIL SPEC'S AND C CONTROL ASSEMBLY NO 2, DISPLAYS SUBSYSTEM, ARMA SPECIFICATION 521-001-312	13-10-67	*68-17452	BENDIX CORP. / NAVIGATION-CONTROL DIV. REPAIR REPORT FOR 18101-1A1A1-THE LEM RANGE INDICATOR, SERIAL NO 119	01-02-68
*68-17336	AMERICAN BOSCH ARMA CORP. DETAIL SPECIFICATION, S AND C CONTROL ASSEMBLY NO 3, ARMA SPECIFICATION 521-001-313	13-10-67	.....	END ITEM TEST AND INSPECTION PROCEDURES 312	
TECHNICAL DATA, REPORTS, AND ANALYSES 202			*68-16563	LEAR SIEGLER, INC. / INSTRUMENT DIVISION ACCEPTANCE TEST PROCEDURES FOR LSI MODEL 4068E, INDICATOR ATTITUDE	30-06-67
*68-16882	BENDIX CORP. / NAVIGATION-CONTROL DIV. RANGE INDICATOR TECHNICAL ANALYSIS REPORT	00-08-67	*68-17339	AMERICAN BOSCH ARMA CORP. DETAILED TEST PROCEDURE FOR LM CONTROL ASSY CA-1, S AND CONTROL PANEL DISPLAY SUBSYSTEMS, GAEC P/N LSC-350-308-13, S/N 1 THRU 5, 8	18-08-67
*68-17000	GRUMMAN AIRCRAFT ENGINEERING CORP. ELEMENTARY FUNCTIONAL DIAGRAMS (EPD) FOR LTA-8	00-00-67	*68-17340	AMERICAN BOSCH ARMA CORP. DETAILED TEST PROCEDURE FOR LM CONTROL ASSY CA-1, S AND C DISPLAY SUBSYSTEMS, GAEC P/N LSC-350-308-13-1, S/N 16 AND 17	07-08-67
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			*68-17422	TEXAS INSTRUMENTS, INC. DETAIL TEST PLAN DELTA QUALIFICATION TEST SWITCH, TOGGLE, DISPLAYS REV A AND B	18-08-67
*67-14586	GRUMMAN AIRCRAFT ENGINEERING CORP. TELEMETRY SYSTEM TEST (O AND C), CCP-K-36529-LTA-10R TEST PROJECT ENG. REPORT, LTA-10R-DEVELOPMENT FLIGHT INSTRUMENTATION	05-10-66	.....	END ITEM NARRATIVE REPORT 313	
INTERFACE CONTROL (SYSTEMS) 207			*68-16483	BENDIX CORP. / PIONEER - CENTRAL DIV. REPAIR REPORT FOR 18100-1A1A2, LEM RANGE INDICATOR, SERIAL NO. 105	20-07-67
*68-17000	GRUMMAN AIRCRAFT ENGINEERING CORP. ELEMENTARY FUNCTIONAL DIAGRAMS (EPD) FOR LTA-8	00-00-67	*68-16485	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 117	26-07-67
QUALIFICATION TEST REPORTS AND DATA 302			*68-16486	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LEM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 118	18-08-67
*68-16199	MINNEAPOLIS-HONEYWELL/AERO DIV. REPORT OF POST QUALIFICATION TEST ON J6 913A1 FLAG INDICATOR	00-07-67	*68-16566	BENDIX CORP. / PIONEER - CENTRAL DIV. END ITEM REPORT FOR THE LM RANGE INDICATOR, 18101-1A1A1, SERIAL NO. 120	06-09-67
*68-17041	HONEYWELL / MILITARY PRODUCTS GROUP REPORT OF POST QUALIFICATION TEST ON J6 904 A 1 SERVOMETRIC INDICATOR	00-05-67	*68-16787	MINNEAPOLIS-HONEYWELL/AERO DIV. END ITEM DATA FOR LEM, ATTITUDE CONTROLLER ASSEMBLY, GAEC PART NO. 300-190-3-2	27-04-67
*68-17042	HONEYWELL / MILITARY PRODUCTS GROUP REPORT OF POST QUALIFICATION TEST ON J6 907B1 SERVOMETRIC INDICATOR	00-05-67			

LEM COMMUNICATIONS AND INSTRUMENTATION - Continued		Controls and Displays	INSTRUMENTATION	
ACCEPTANCE DATA PACKAGE		314	MONTHLY PROGRESS REPORT	
*68-16863	BENDIX CORP./NAVIGATION-CONTROL DIV. END ITEM REPORT FOR THE LM RANGE INDICATOR	10-10-67	*68-16289	PHILCO CORP. / WDL DIV. MONTHLY STATUS REPORT, APOLLO NPDS PROGRAM
HANDBOOKS FLIGHT CREW OPERATIONS		302	INSTRUMENTATION R and D Instrumentation	
*68-16504	GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK, LM 2, VOLUME 2	01-01-67	QUALIFICATION TEST REPORTS AND DATA	
*68-17227	GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO OPERATIONS HANDBOOK-LUNAR MODULE 3, VOLUME 2, OPERATIONAL PROCEDURES	01-01-68	*68-16389	AC SPARK PLUG/ELECTRONICS DIV. G.M. DETAILED TEST OBJECTIVES FOR QUALIFICATION TESTING OF THE LM FLIGHT-QUAL SIGNAL CONDITIONER ASSY, P/N 6007010
MONTHLY PROGRESS REPORT		701	*68-16390	AC SPARK PLUG/ELECTRONICS DIV. G.M. DETAILED TEST OBJ'S. FOR LAUNCH VIBRATION QUAL OF THE LM POWER AND SERVO ASSY, AND SIGNAL CONDITIONER ASSY
*68-16402	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP MONTHLY PROGRESS REPORT NO. 30	00-06-67	*68-16401	ELECTRO OPTICAL SYSTEMS, INC. QUALIFICATION TEST PLAN FOR TRANSDUCER, ABSOLUTE PRESSURE, MODELS 1025 AND 1026
*68-16484	BENDIX CORP. / PIONEER - CENTRAL DIV. MONTHLY PROGRESS REPORT NO. 26 CONCERNING LEM ACCELEROMETER INDICATOR FOR MONTH OF MAY 1967	00-05-67	*68-16736	RADIATION INCORPORATED ELECTRO INTERFERENCE TEST REPORT FOR SERIES 540 PCM ACQUISITION AND STORED PROGRAMM DECOMMUTATION SYSTEM
*68-16493	BENDIX CORP. / PIONEER - CENTRAL DIV. MONTHLY PROGRESS REPORT NO. 27 CONCERNING LEM ACCELEROMETER INDICATOR FOR MONTH OF JUNE 1967	00-06-67	MONTHLY PROGRESS REPORT	
*68-16564	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP (PERIOD COVERED, JULY 1967)	00-07-67	701	
*68-17222	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP MONTHLY PROGRESS REPORT NO. 33	00-09-67	*68-16205	SYLVANIA / ELECTRONIC SYSTEMS - EAST APOLLO/LEM DIGITAL MISSION CLOCK MONTHLY REPORT NO. 12
*68-17223	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP MONTHLY PROGRESS REPORT NO. 34	00-10-67	INSTRUMENTATION Scientific Instrumentation	
*68-17224	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP MONTHLY PROGRESS REPORT NO. 35	00-11-67	CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION	
*68-17225	LEAR SIEGLER, INC./INSTRUMENT DIVISION LM ATTITUDE INDICATOR, GASTA AND TOMP MONTHLY PROGRESS REPORT NO. 36	00-12-67	102-03-001	
*68-17309	SYLVANIA / ELECTRONIC SYSTEMS - EAST LEM EVENT TIMER, MONTHLY REPORT	00-00-68	*68-16268	RADIATION INCORPORATED TIMING ELECTRONICS FOR PCMTEA, DESIGN CONTROL SPECIFICATION FOR
*68-17320	SYLVANIA / ELECTRONIC SYSTEMS - EAST APOLLO/LEM DIGITAL MISSION CLOCK MONTHLY REPORT NO 16, FROM 10 NOV 1967 THRU 10 DEC 1967-FINAL	10-12-67	TECHNICAL DATA, REPORTS, AND ANALYSES	
*68-17323	BENDIX CORP. / PIONEER - CENTRAL DIV. MONTHLY PROGRESS REPORT NO. 32-CONCERNING LEM ACCELEROMETER INDICATOR NOV 1967	00-11-67	202	
*68-17324	SYLVANIA / ELECTRONIC SYSTEMS - EAST APOLLO/LEM DIGITAL MISS CLOCK MONTHLY REPORT NO. 14, FROM 10 SEPT 1967 THROUGH 10 OCT 1967	10-10-67	*68-16898	CORNELL AERONAUTICAL LAB., INC. EXPERIMENTAL SHOCK-TUBE INVESTIGATION OF CONDITIONS BEHIND INCIDENT * REFLECTED SHOCKS IN AIR FOR SHOCK MACH NUMBERS BETWEEN 8.5 AND 16.5
*68-17327	SYLVANIA / ELECTRONIC SYSTEMS - EAST LEM DIGITAL EVENT TIMER, MONTHLY REPORT NO. 26-COVERING 11 SEPT 1967-10 OCT 1967	10-10-67	PRELIMINARY DESIGN AND REQUIREMENTS	
BIMONTHLY PROGRESS REPORT		701-02	204	
*68-16545	SYLVANIA / ELECTRONIC SYSTEMS - EAST LEM DIGITAL EVENT TIMER MONTHLY REPORT NO. 25	10-09-67	*68-17112	NASA/MSC-HOUSTON, TEXAS APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE DATA PROCESSING REQUIREMENTS (W FILE, W68-10,)
*68-16546	SYLVANIA / ELECTRONIC SYSTEMS - EAST APOLLO/LEM DIGITAL MISSION CLOCK MONTHLY REPORT NO. 13	10-09-67	MISSION BILEVEL / NUMERICAL DATA	
SYSTEM STATUS REPORT		710	214	
*68-16786	MINNEAPOLIS-HONEYWELL/AERD DIV. PROGRESS AND STATUS REPORT, ATTITUDE CONTROLLER ASSEMBLY	10-05-67	*68-17112	NASA/MSC-HOUSTON, TEXAS APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE DATA PROCESSING REQUIREMENTS (W FILE, W68-10,)
			END ITEM NARRATIVE REPORT	
			313	
			*68-16269	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 112
			*68-16270	RADIATION INCORPORATED LEM PCMTEA END ITEM NARRATIVE REPORT, SYSTEM NO. 111
			MONTHLY PROGRESS REPORT	
			701	
			*68-16267	RADIATION INCORPORATED MONTHLY PROGRESS REPORT, LEM PULSE CODE MODULATION AND TIMING ELECTRONICS ASSEMBLY (PCMTEA)

SYSTEMS INDEX

TYPICAL CITATION

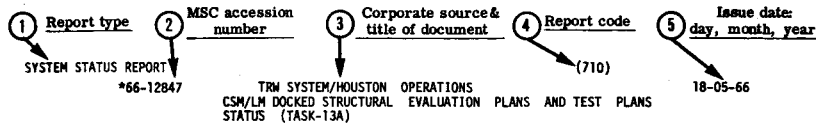


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM/GENERAL GSE			CSM/GENERAL GSE - Continued		
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002			
*68-16204	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPECIFICATION FOR MATCH ASSEMBLY-GSE FORWARD MODEL A34-326	10-08-67	*68-16368	NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS OF CSM, GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS, BLOCK 2 S/C	06-09-65
*68-16375	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPEC FOR HOOD ADAPTER-BOOST PROTECTIVE COVER LAND SIMULATION, MODEL A34-336 (-101 MODIFICATION)	16-08-67	*68-16452	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR S/C 012 AND 014, SECTION 2, PART 1, GROUND OPERATIONS REQUIREMENTS PLAN	19-06-66
CALIBRATION/METROLOGY SPECIFICATIONS 102-03-003			*68-16453	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 012, SECTION 2, PART 2, INTEGRATED CHECKOUT PLAN	24-11-66
*68-16931	THE FRANKLIN INSTITUTE RESEARCH LABS CALIBRATION RESISTOR FOR APOLLO STANDARD INITIATOR RESISTANCE MEASURING EQUIPMENT, AIRNE	00-11-67	RELIABILITY PLAN 608		
TECHNICAL DATA, REPORTS, AND ANALYSES 202			*68-16620	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION PROGRAM REVIEW NASW410/ASPO SUPPORT PROGRAM	09-10-64
*68-16792	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. PROJECT APOLLO FLIGHT READINESS REVIEW S/C 017-LTA-10R, VOLUME 2 REPORT	28-09-67	QUALITY PLAN 609		
*68-17256	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT-EMI BOX, TE 12473-01 ELECTRICAL CHARACTERISTICS	11-09-67	*68-16620	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION PROGRAM REVIEW NASW410/ASPO SUPPORT PROGRAM	09-10-64
TOTAL CRAFT AND MISSION ANALYSES 202-01			CONFIGURATION MANAGEMENT PLAN 610		
*68-17074	NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM QUARTERLY STATUS REPORT NO. 21 FOR PERIOD ENDING SEPTEMBER 30, 1967 (W FILE, W68-10,014)	00-09-67	*68-16368	NASA/MSC-HOUSTON, TEXAS ABSTRACT OF REVIEW PROCEEDINGS OF CSM, GROUND OPERATIONS REQUIREMENTS AND INTEGRATED CHECKOUT PLANS, BLOCK 2 S/C	06-09-65
DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01			QUARTERLY PROGRESS REPORT 701-01		
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 008 SECTION 1-VEHICLE TEST PLAN	01-10-65	*68-17074	NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM QUARTERLY STATUS REPORT NO. 21 FOR PERIOD ENDING SEPTEMBER 30, 1967 (W FILE, W68-10,014)	00-09-67
*68-17256	UNITED AIRCRAFT/CORPORATE SYSTEMS CENTER TEST REPORT-EMI BOX, TE 12473-01 ELECTRICAL CHARACTERISTICS	11-09-67	CSM/GENERAL GSE Mission Essential		
INTERFACE OPERATIONS, PROCEDURES 208-01			CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002		
*67-14526	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO PRE-FLIGHT OPERATIONS, PROCEDURES MANUAL	00-04-67	*68-16832	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. GSE END ITEM SPECIFICATION FOR ELECTRICAL TERMINAL DISTRIBUTOR 80 FOOT LEVEL, MOBILE LAUNCHER, MODEL C14-357 (-101 CONFIGURATION)	10-10-67
HANDBOOKS OR MANUALS SUPPORT EQUIPMENT 503			LAUNCH SYSTEMS SPECIFICATIONS 103		
*66-12656	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO SUPPORT EQUIPMENT OPERATION AND SERVICE INSTRUCTIONS GROUND CLOTHING CART MODEL A14-011	09-04-65	*68-16832	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. GSE END ITEM SPECIFICATION FOR ELECTRICAL TERMINAL DISTRIBUTOR 80 FOOT LEVEL, MOBILE LAUNCHER, MODEL C14-357 (-101 CONFIGURATION)	10-10-67
GROUND CREW OPERATIONS PROCEDURES 506			GSE PLANNING AND REQUIREMENTS LIST 209		
*68-16254	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO VEHICLE GROUND OPERATIONS PLAN (FOR APOLLO-LEM SATURN V FLIGHTS)	30-09-64	*68-16827	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. GROUND SUPPORT EQUIPMENT NAA/NASA MANAGEMENT REPORT	01-10-67
FACILITIES PLAN 602			CSM/STRUCTURES GSE		
*68-17003	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION FACILITIES PLAN FOR ACE-S/C SYSTEM	00-12-67	CFE INTERFACE SPECIFICATIONS 102-02		
TEST PLAN 603			*68-17429	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEN	11-12-67
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 008 SECTION 1-VEHICLE TEST PLAN	01-10-65			

CSM/STRUCTURES GSE - Continued		CSM/ENVIRONMENTAL CONTROL GSE - Continued	
CPE SPACECRAFT EQUIPMENT DESIGN SPECIFICATION		102-03-001	
*68-17410	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPEC FOR HOOD ADAPTER-BOOST PROTECTIVE COVER LAND SIMULATION, MODEL A34-336 (201 CONFIGURATION)	09-01-68	
CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002	
*68-16548	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPEC FOR COUNTERBALANCE-GSE, UNIFIED MATCH-MODEL A34-337	31-08-67	
*68-16549	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPEC FOR HOOD ADAPTER-BOOST PROTECTIVE LAND SIMULATION-MODEL A34-336	30-08-67	
*68-17412	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR ADAPTER SET, LAUNCH ESCAPE TOWER, PULL TEST MODEL A14-374	10-01-68	
*68-17426	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR COVER, AFT BULKHEAD, PROTECTIVE, MODEL A34-345 (-101 CONFIGURATION)	10-01-68	
*68-17427	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR COVER, PROTECTIVE, AFT BULKHEAD, MODEL A34-345	05-12-67	
*68-17429	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEM	11-12-67	
CSM/ENVIRONMENTAL CONTROL GSE			
CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002	
*68-17249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR WATER GLYCOL CONTAINER MODEL S-14-140 (-101 CONFIGURATION)	09-01-68	
QUALIFICATION TEST REPORTS AND DATA		302	
*68-16430	GARRETT CORP./AIRESEARCH MFG. DIV. QUAL. TEST REPORT, BACKPRESSURE CONTROL EMI TEST SYS. CONTROL VALVE 820390-1, CONTROL 820908-2-1, TEMP. SENSOR 820920-1	15-02-66	
MONTHLY PROGRESS REPORT		701	
*66-10608	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM NAA/S AND ID, PR OJECT APOLLO 16 NOVEMBER 1964-15 DECEMBER 1964	31-12-64	
*66-13178	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH TO APR IL 15, 1966	30-04-66	
*66-13179	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT ENVIRONMENTAL CONTROL SYSTEM, 16 JANUARY TO 1 5 FEBRUARY 1966	28-02-66	
*68-16406	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-09-64	
*68-16407	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-11-65	
*68-16408	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	30-11-63	
*68-16409	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	31-10-63	
*68-16410	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM	26-06-63	
*68-16411	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM		26-02-65
*68-16414	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM		31-03-66
*68-16793	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 DECEMBER 1965 TO 15 JANUARY 1966		31-01-65
*68-16794	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JULY 1965 TO 15 AUGUST 1965		31-08-65
*68-16795	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 AUGUST 1965 TO 15 SEPTEMBER 1965		30-09-65
*68-16796	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 SEPTEMBER 1965 TO 15 OCT. 1965		31-10-65
*68-16797	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 NOVEMBER 1965 TO 15 DECEMBER 1965		31-12-65
*68-16798	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH 1965 TO 15 APRIL 1965		30-04-65
*68-16802	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MARCH 1964- 15 APRIL 1964		30-04-64
*68-16803	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JULY 1964- 15 AUGUST 1964		31-08-64
*68-16804	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JUNE 1964- 15 JULY 1964		31-07-64
*68-16805	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 MAY 1964- 15 JUNE 1964		30-06-64
*68-16806	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 APRIL 1964- 15 MAY 1964		31-05-64
*68-16807	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JAN. 15 FEB. 1964		29-02-64
*68-16808	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 DEC. 1963 THRU 15 JAN. 1964		31-01-64
*68-16809	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 NOVEMBER THRU 15 DECEMBER 1963		02-01-64
*68-16810	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 FEB. 1965- 15 MARCH 1965		31-03-65
*68-16811	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 OCTOBER 1964- 15 NOVEMBER 1964		30-11-64
*68-16812	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 SEPTEMBER 1964-15 OCTOBER 1964		31-10-64
*68-16813	GARRETT CORP./AIRESEARCH MFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 FEB. 1964- 15 MARCH 1965		31-03-64

SYSTEMS INDEX

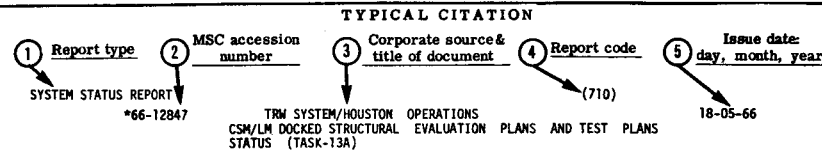
TYPICAL CITATION



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
CSM/ENVIRONMENTAL CONTROL GSE	Mission Essential		CSM/SERVICE PROPULSION GSE		
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002	HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		503
*68-16832 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. GSE END ITEM SPECIFICATION FOR ELECTRICAL TERMINAL DISTRIBUTOR 80 FOOT LEVEL, MOBILE LAUNCHER, MODEL C14-357 (-101 CONFIGURATION)		10-10-67	*66-12698 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. MAINTENANCE HANDBOOK-FUEL READY STORAGE UNIT MODEL S14-058 + OXIDIZER READY STORAGE UNIT MODEL S14-059		15-11-67
LAUNCH SYSTEMS SPECIFICATIONS		103	MONTHLY PROGRESS REPORT		701
*68-16832 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. GSE END ITEM SPECIFICATION FOR ELECTRICAL TERMINAL DISTRIBUTOR 80 FOOT LEVEL, MOBILE LAUNCHER, MODEL C14-357 (-101 CONFIGURATION)		10-10-67	*68-16488 AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ROCKET ENGINE MONTHLY PROGRESS REPORT, APRIL 1963		00-04-63
MONTHLY PROGRESS REPORT		701	*68-16489 AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ROCKET ENGINE MONTHLY PROGRESS REPORT, FEBRUARY 1963		00-02-63
*68-16412 GARRETT CORP./AIRESEARCH WFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM		31-01-65	CSM/GUIDANCE AND NAVIGATION GSE		
*68-16413 GARRETT CORP./AIRESEARCH WFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM		30-06-65	CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002
*68-16799 GARRETT CORP./AIRESEARCH WFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 JUNE 1965 TO 15 JULY 1965		31-07-65	*68-17014 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR POWER PLUG AND BATTERY SUP- PORT BRACKET-SET, MODEL A34-334 (-101 CONFIGURATION)		01-12-67
*68-16801 GARRETT CORP./AIRESEARCH WFG. DIV. MONTHLY PROGRESS REPORT, ENVIRONMENTAL CONTROL SYSTEM, 16 APRIL 1965 TO 15 MAY 1965		31-05-65	*68-17314 MIT INSTRUMENTATION LAB DETAIL SPEC, PERFORMANCE/DESIGN + PRODUCT CONFIG REQS GROUND SUPPORT EQUIPMENT FOR APOLLO G + N SYSTEM		05-07-66
CSM/ELECTRICAL POWER GSE			QUALIFICATION TEST REPORTS AND DATA		302
CFE INTERFACE SPECIFICATIONS		102-02	*68-16388 AC SPARK PLUG/ELECTRONICS DIV. G.M. CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT. G AND N SYS. 012-MISS. 204 FLT. READINESS REVIEW SUPPLEMENT		19-01-67
*68-17429 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEM		11-12-67	*68-16391 AC SPARK PLUG/ELECTRONICS DIV. G.M. DETAILED TEST OBJS. FOR HUMIDITY, REQUALIFICATION OF THE INERTIAL SUBSYSTEM CM BLOCK 2 POWER SERVO ASSY. AND G + N HARNESS GROUP		00-05-67
*68-17430 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR POWER DISTRIBUTION RACK MODEL C14-626		21-09-67	*68-16405 AC SPARK PLUG/ELECTRONICS DIV. G.M. DETAILED TEST OBJS. FOR ELECTROMAGNETIC INTERFERENCE AND SUSCEPTIBILITY QUAL OF THE APOLLO CM BLK 2 G + N SYS		00-02-67
CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002	RELIABILITY ANALYSIS, DESIGN REVIEW		401
*68-17429 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEM		11-12-67	*68-16388 AC SPARK PLUG/ELECTRONICS DIV. G.M. CUSTOMER ACCEPTANCE READINESS REVIEW AND FLT. READINESS REVIEW RPT. G AND N SYS. 012-MISS. 204 FLT. READINESS REVIEW SUPPLEMENT		19-01-67
*68-17430 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR POWER DISTRIBUTION RACK MODEL C14-626		21-09-67	HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		503
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01	*66-11713 AC SPARK PLUG/ELECTRONICS DIV. G.M. CM GUIDANCE + NAVIGATION SYS. BK 1, SERIES 100, BLOCK 2 + LEM GUIDANCE + NAVIGATION SYS AUXILIARY HSE MANUAL		01-09-65
*68-16257 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ELECTROMAGNETIC INTERFERENCE CONTROL PLAN (BLOCK 2)		00-07-66	*66-11714 AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO G AND N SYSTEM, BLOCK 1 SERIES 100, BLOCK II AND LEM COMMAND MOD ULE AND LEM BENCH MAIN, GROUND SUPPORT EQUIPMENT MANUAL, VOL. I		01-09-65
INTERFACE CONTROL (SYSTEMS)		207	*66-11716 AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO CM AND LEM G AND N SYSTEM BLOCK 1 SERIES 100, BLOCK II AND LEM BENCH MAINTENANCE GROUND SUPPORT EQUIPMENT MANUAL-SUPPLEMENT B-VOL I		01-02-66
*68-16258 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR 2H-1 SECTIONS 1 AND 2 COMBINED VEHICLE TEST PLAN AND GROUND OPERATIONS REQUIREMENTS		03-12-65	*66-11717 AC SPARK PLUG/ELECTRONICS DIV. G.M. CM + LEM GUIDANCE AND NAVIGATION SYSTEM, BLOCK 1 SERIES 100, BLOCK 2 + LEM BENCH MAINTANCE GSE MANUAL, VOL. 2		01-09-65

CSM/GUIDANCE AND NAVIGATION - Continued	CSM/COMMUNICATIONS AND INSTRUMENTATION GSE - Continued
<p>*66-11719 AC SPARK PLUG/ELECTRONICS DIV. G.M. CH + LEM GUIDANCE AND NAVIGATION SYSTEM, BLOCK 1 SERIES 100, BLOCK 2, + LEM BENCH MAINTENANCE GSE MANUAL, VOL 3 OF 3 01-09-65</p> <p>*67-14329 AC SPARK PLUG/ELECTRONICS DIV. G.M. CM/LM G AND N SYSTEM BLOCK 1 SERIES 100, BLOCK 2 AND LM BENCH MAINTENANCE MANUAL-SUPPLEMENT 3, VOLUME 2 OF 2. 01-09-65</p> <p>TEST PLAN 603</p> <p>*68-16393 AC SPARK PLUG/ELECTRONICS DIV. G.M. EJECTABLE DUST COVERS USED WITH ASTROEXTANT PASSIVE THERMAL PROTECTION SYS., QUAL TESTS BLOCK 1 15-12-66</p>	<p>*68-16521 PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 THRU 31 JULY 1967 10-08-67</p> <p>*68-17161 PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT-PROGRESS REPORT FOR 1 THRU 30 SEPTEMBER 1967 13-10-67</p> <p>*68-17163 PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 DECEMBER 1967 15-01-68</p> <p>*68-17164 PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON PROGRESS REPORT FOR 1 OCT THRU 31 DECEMBER 10-01-68</p> <p>*68-17166 PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 30 NOVEMBER 1967 15-12-67</p> <p>*68-17169 PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 OCT 1967 15-11-67</p> <p>*68-17173 PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 AUGUST, 1967 12-09-67</p> <p>QUARTERLY PROGRESS REPORT 701-01</p> <p>*68-16520 PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 APRIL THRU 30 JUNE 1967 10-07-67</p> <p>*68-17160 PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON, PROGRESS REPORT FOR 1 JULY THRU 30 SEPT 1967 10-10-67</p>
<p>CSM/GUIDANCE AND NAVIGATION GSE Mission Essential</p>	
<p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*67-15972 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION SA 206A SPACECRAFT PRELIMINARY REFERENCE TRAJECTORY VOLUME 3 RADAR SIGHTING AND SPACECRAFT LOOK ANGLE DATA 29-07-65</p>	
<p>CSM/INFLIGHT TEST GSE</p>	
<p>INTERFACE CONTROL (SYSTEMS) 207</p> <p>*68-16939 NASA/MSC-HOUSTON, TEXAS CSM FUEL REQUIREMENTS FOR A LM RESCUE IN LUNAR ORBIT (W FILE, W67-10854) 30-10-67</p>	
<p>CSM/CREW GSE</p>	<p>CSM/COMMUNICATIONS AND INSTRUMENTATION GSE Mission Essential</p>
<p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*68-17372 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR FIXTURE ASSEMBLY-COUCH, SIDE SUPPORT MODEL A34-342 31-01-68</p>	<p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16914 TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 3 (W FILE, W67-10410) (IN-67-FM-3, VOL. 3, TRW/MSC) 01-03-67</p>
<p>CSM/COMMUNICATIONS AND INSTRUMENTATION GSE</p>	<p>CSM/LAUNCH GSE</p>
<p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*68-16471 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOLUME 2-APRIL-JUNE 1969, TASK MSC/TRW A-134 01-09-67</p> <p>QUALIFICATION TEST REPORTS AND DATA 302</p> <p>*68-16430 GARRETT CORP./AIRESEARCH MFG. DIV. QUAL. TEST REPORT, BACKPRESSURE CONTROL EMI TEST SYS. CONTROL VALVE 820390-1, CONTROL 820908-2-1, TEMP. SENSOR 820920-1 15-02-66</p> <p>SUPPORT PLAN 606</p> <p>*68-17295 PHILCO CORP. / WDL DIV. FLIGHT CONTROL DATA LOADING GUIDE 26-01-68</p> <p>MONTHLY PROGRESS REPORT 701</p> <p>*68-16517 PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 THRU 31 AUGUST 1967 10-09-67</p>	<p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*68-16191 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPECIFICATION FOR CONSOLE GROUP-VERTICAL BUILDING MODEL C14-355 (-101 MODIFICATION) 01-08-67</p> <p>GSE PLANNING AND REQUIREMENTS LIST 209</p> <p>*68-16194 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FIRST ARTICLE CONFIG. INSPECTION CUSTOMER ACCEPTANCE READINESS REVIEW CONFIG. INSPECTION REVIEW L/C 39 S/C 017/LTA-10R 18-05-67</p> <p>LEM/GENERAL GSE</p> <p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-14666 GRUMMAN AIRCRAFT ENGINEERING CORP. GSE CABLING, MSC-SESL FACILITY, DESIGN CONTROL SPECIFICATION FOR 11-08-66</p> <p>*68-16303 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, AUXILIARY CRANE CONTROL, LSC 420 13060 18-07-67</p>

SYSTEMS INDEX

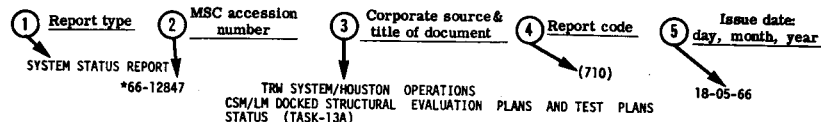


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM/GENERAL GSE - Continued			LEM/GENERAL GSE - Continued		
*68-16304	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, BREAKOUT BOXES, LDW 410-I210	19-07-67	PERT ACTIVITIES DESCRIPTION DOCUMENT	706	
*68-16468	GRUMMAN AIRCRAFT ENGINEERING CORP. BENCH TEST MAINTENANCE EQUIPMENT FUNCTIONAL CATEGORY, SPECIFICATION FOR	29-11-66	*66-12711	GRUMMAN AIRCRAFT ENGINEERING CORP. GROUND SUPPORT EQUIPMENT PLANNING & REQUIREMENTS & STATUS LIST - VOL. II VEHICLE LISTING (REVISION AA)	27-11-67
TECHNICAL DATA, REPORTS, AND ANALYSES 202			*66-12712	GRUMMAN AIRCRAFT ENGINEERING CORP. GROUND SUPPORT EQUIPMENT PLANNING & REQUIREMENTS & STATUS LIST - VOL. III - SITE LISTING (REVISION A)	27-11-67
*68-16792	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. PROJECT APOLLO FLIGHT READINESS REVIEW S/C 017-LTA-10R, VOLUME 2 REPORT	28-09-67	LEM/GENERAL GSE Mission Essential		
GSE PLANNING AND REQUIREMENTS LIST 209			DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01	
*66-12711	GRUMMAN AIRCRAFT ENGINEERING CORP. GROUND SUPPORT EQUIPMENT PLANNING & REQUIREMENTS & STATUS LIST - VOL. II VEHICLE LISTING (REVISION AA)	27-11-67	*68-17017	GRUMMAN AIRCRAFT ENGINEERING CORP. BACKUP/REUNDANCY MATRIX VEHICLE LM-2	01-09-67
*66-12712	GRUMMAN AIRCRAFT ENGINEERING CORP. GROUND SUPPORT EQUIPMENT PLANNING & REQUIREMENTS & STATUS LIST - VOL. III - SITE LISTING (REVISION A)	27-11-67	LEM/STRUCTURES GSE		
MISSION BILEVEL / NUMERICAL DATA 214			CFE INTERFACE SPECIFICATIONS	102-02	
*66-12277	GRUMMAN AIRCRAFT ENGINEERING CORP. LEM 1,2,3 MEASUREMENTS LIST (REVISION J)	17-10-67	*68-17429	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEM	11-12-67
HANDBOOKS OR MANUALS SUPPORT EQUIPMENT 303			CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*68-17450	GRUMMAN AIRCRAFT ENGINEERING CORP. SUPPORT MANUAL-TRANSPORTATION AND HANDLING FOR LUNAR MODULE	25-01-68	*68-17429	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR, LEM	11-12-67
GROUND CREW OPERATIONS PROCEDURES 306			LEM/DOCKING AND LANDING GSE		
*68-16254	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO VEHICLE GROUND OPERATIONS PLAN (FOR APOLLO-LEM SATURN V FLIGHTS)	30-09-64	CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
TRANSPORTATION AND HANDLING PROCEDURES 307			*68-16301	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, M AND T KIT LANDING GEAR, LDW 420-11002	19-07-67
*68-17450	GRUMMAN AIRCRAFT ENGINEERING CORP. SUPPORT MANUAL-TRANSPORTATION AND HANDLING FOR LUNAR MODULE	25-01-68	LEM/ENVIRONMENTAL CONTROL GSE		
FACILITIES PLAN 602			CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*68-17003	GENERAL ELECTRIC/HISSILE AND SPACE DIVISION FACILITIES PLAN FOR ACE-S/C SYSTEM	00-12-67	*67-16128	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION NITROGEN PURGE AND CONDITIONING LDW 430-6580	10-07-67
TEST PLAN 603			*68-16469	GRUMMAN AIRCRAFT ENGINEERING CORP. TEST TOOL FUNCTIONAL CATEGORY, SPECIFICATION	29-11-66
*68-16453	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 012, SECTION 2, PART 2, INTEGRATED CHECKOUT PLAN	24-11-66	*68-16586	HAMILTON STANDARD / DIV. JNITED AIRCRAFT CORP. DISCONNECTS-SPECIFICATION FOR	09-06-67
TRAINING PLAN 607					
*68-17215	GRUMMAN AIRCRAFT ENGINEERING CORP. LEM GROUND CREW TRAINING PLAN-SUPPLEMENT NO. 1 15 APRIL 1966	18-02-66			
MONTHLY PROGRESS REPORT 701					
*68-16447	GRUMMAN AIRCRAFT ENGINEERING CORP. LM GSE MONTHLY STATUS REPORT (AS OF 31 JULY 1967)	31-07-67			

LEM/ELECTRICAL POWER GSE	LEM/SERVICE PROPULSION GSE	Mission Essential
<p>CPE INTERFACE SPECIFICATIONS 102-02</p> <p>*68-17429 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR,LEM 11-12-67</p> <p>.....</p> <p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-14666 GRUMMAN AIRCRAFT ENGINEERING CORP. GSE CABLING,MSG-SESL FACILITY,DESIGN CONTROL SPECIFICATION FOR 11-08-66</p> <p>*68-16597 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. ELECTRICAL TESTING,SUBASSEMBLY,LM-11A SUIT CIRCUIT FAN MOTOR 17-03-67</p> <p>*68-17429 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO CSM GSE END ITEM SPECIFICATION FOR CASE ASSEMBLY-INTERFACE SIMULATOR,LEM 11-12-67</p> <p>.....</p> <p>INTERFACE CONTROL (SYSTEMS) 207</p> <p>*68-16597 GARRETT CORP./AIRESEARCH MFG. DIV. INTERFACE CONTROL PLAN FREON SUPPLY UNIT-901132-1-1 12-09-66</p>	<p>DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01</p> <p>*68-17191 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 4 10-11-67</p> <p>.....</p> <p>RELIABILITY ANALYSIS,DESIGN REVIEW 401</p> <p>*68-17191 TRW SYSTEMS CHARACTERISTICS OF THE TRW LUNAR MODULE DESCENT ENGINE-VOL 4 10-11-67</p>	
<p>LEM/REACTION CONTROL GSE</p> <p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-16131 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION HIGH VACUUM FLUIDS MAINTENANCE UNIT-LSC-430-64590 10-07-67</p> <p>*68-16294 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION RCS OXIDIZER TRANSFER CONTROL ASSEMBLY LDW 430-64240 03-08-67</p> <p>*68-16295 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION RCS FUEL TRANSFER CONTROL ASSEMBLY LDW 430-64230 03-08-67</p> <p>*68-16298 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION SENSOR UNIT INJECTOR FLOW RCS LSC 430-62010 18-07-67</p> <p>*68-16469 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST TOOL FUNCTIONAL CATEGORY,SPECIFICATION 29-11-66</p>	<p>LEM/GUIDANCE AND NAVIGATION GSE</p> <p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-14664 GRUMMAN AIRCRAFT ENGINEERING CORP. BENCH TEST CONSOLE,RENDEZVOUS RADAR TRANSPONDER,DESIGN CONTROL SPECIFICATION FOR 30-06-65</p> <p>*67-14696 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST STATION,ABORT GUIDANCE SECTION,MAINTENANCE,DESIGN CONTROL SPECIFICATION FOR 16-09-65</p> <p>*68-17314 MIT INSTRUMENTATION LAB DETAIL SPEC,PERFORMANCE/DESIGN + PRODUCT CONFIG REQS GROUND SUPPORT EQUIPMENT FOR APOLLO G + N SYSTEM 05-07-66</p> <p>.....</p> <p>CALIBRATION/METROLOGY SPECIFICATIONS 102-03-003</p> <p>*68-17424 RCA / DEFENSE ELECTRONIC PRODUCTS SPEC AND TEST PROCED (CALIB) FOR SPECIAL TEST EQUIP TEST SET, RADIATION AND SYS TEST SET,RR ANT ASSY (MTX -L-8337950-1 AND 2) 16-10-67</p> <p>.....</p> <p>QUALIFICATION TEST REPORTS AND DATA 302</p> <p>*68-16404 AC SPARK PLUG/ELECTRONICS DIV. G.M. DETAILED TEST OBJS FOR GROUND TEMP,OXYGEN,SALT FOG,AND HUMIDITY AND THERMAL VACUUM QUAL OF THE LEM INERTIAL SUBSYSTEM 00-08-67</p> <p>.....</p> <p>ACCEPTANCE TEST DATA SHEETS 303</p> <p>*68-16536 RCA / DEFENSE ELECTRONIC PRODUCTS LM TEST AND INSPECTION PROCEDURE FOR TRANSPONDER HANDLING FIXTURE (MODELS 10 AND UP) 25-08-67</p> <p>*68-16537 RCA / DEFENSE ELECTRONIC PRODUCTS LM TEST AND INSPECTION PROCEDURE FOR RENDEZVOUS RADAR HANDLING FIXTURE (MODELS 10 AND UP) 21-08-67</p> <p>.....</p> <p>END ITEM TEST AND INSPECTION PROCEDURES 312</p> <p>*68-16536 RCA / DEFENSE ELECTRONIC PRODUCTS LM TEST AND INSPECTION PROCEDURE FOR TRANSPONDER HANDLING FIXTURE (MODELS 10 AND UP) 25-08-67</p> <p>*68-16537 RCA / DEFENSE ELECTRONIC PRODUCTS LM TEST AND INSPECTION PROCEDURE FOR RENDEZVOUS RADAR HANDLING FIXTURE (MODELS 10 AND UP) 21-08-67</p> <p>.....</p> <p>HANDBOOKS OR MANUALS SUPPORT EQUIPMENT 303</p> <p>*68-11716 AC SPARK PLUG/ELECTRONICS DIV. G.M. APOLLO CSM AND LEM G AND N SYSTEM BLOCK 1 SERIES 100,BLOCK 11 AND LEM BENCH MAINTENANCE GROUND SUPPORT EQUIPMENT MANUAL-SUPPLEMENT B-VOL 1 01-02-66</p> <p>*67-14329 AC SPARK PLUG/ELECTRONICS DIV. G.M. CM/LM G AND N SYSTEM BLOCK 1 SERIES 100,BLOCK 2 AND LM BENCH MAINTENANCE MANUAL-SUPPLEMENT 3, VOLUME 2 OF 2, 01-09-65</p>	
<p>LEM/SERVICE PROPULSION GSE</p> <p>CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-14724 GRUMMAN AIRCRAFT ENGINEERING CORP. CART,STORAGE AND TRANSFER,SUBSTITUTE PROPELLANTS,DESIGN CONTROL SPECIFICATION FOR 23-11-64</p> <p>*67-15831 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION THERMAL CONDUCTIVITY LEAK DETECTOR LDW 430-42020 09-03-67</p> <p>*67-16131 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION HIGH VACUUM FLUIDS MAINTENANCE UNIT-LSC-430-64590 10-07-67</p> <p>*68-16469 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST TOOL FUNCTIONAL CATEGORY,SPECIFICATION 29-11-66</p>		

SYSTEMS INDEX

TYPICAL CITATION

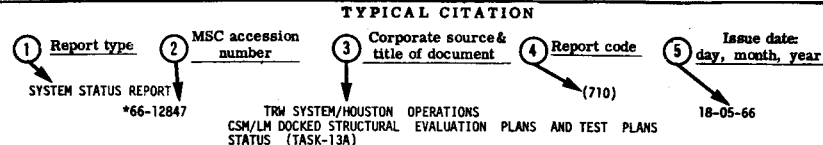


70

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
LEM/GUIDANCE AND NAVIGATION GSE	Mission Essential		LEM/COMMUNICATIONS AND INSTRUMENTATION GSE - Continued		
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		QUARTERLY PROGRESS REPORT	701-01	
*68-16842 NASA/MSC-HOUSTON, TEXAS STRAPDOWN TEST STATION AND EVALUATION TECHNIQUES (W FILE.W67-10828)		10-08-67	*68-17160 PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON, PROGRESS REPORT FOR 1 JULY THRU 30 SEPT 1967		10-10-67
LEM/COMMUNICATIONS AND INSTRUMENTATION GSE			LEM/COMMUNICATIONS AND INSTRUMENTATION GSE	Mission Essential	
CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002		CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*68-16302 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, INSTRUMENT CALIBRATION EQUIPMENT, LSC 450-9348		19-07-67	*67-14665 GRUMMAN AIRCRAFT ENGINEERING CORP. TEST STATION COMMUNICATIONS CHECKOUT AND MAINTENANCE, DESIGN CONTROL SPECIFICATION FOR		23-08-65
CALIBRATION/METROLOGY SPECIFICATIONS	102-03-003		LEM/LAUNCH GSE		
*68-16550 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPEC. CONSOLE, DATA RECORDING AND DECOMMUTATION LSC-410-11060		22-08-67	CPE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*68-16551 GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPEC. CONSOLE, CONTROL AND MONITORING, LIQUID TEST RIG-LDW 450-9357		22-08-67	*67-15752 GRUMMAN AIRCRAFT ENGINEERING CORP. KENNEDY SPACE CENTER, LAUNCH COMPLEX 39 LM USE SITE GROUND SYSTEM SPECIFICATION FOR		28-09-66
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		*68-16468 GRUMMAN AIRCRAFT ENGINEERING CORP. BENCH TEST MAINTENANCE EQUIPMENT FUNCTIONAL CATEGORY, SPECIFICATION FOR		29-11-66
*67-14586 GRUMMAN AIRCRAFT ENGINEERING CORP. TELEMETRY SYSTEM TEST (O AND C), OCP-K-36529-LTA-10R TEST PROJECT ENG. REPORT, LTA-13R-DEVELOPMENT FLIGHT INSTRUMENTATION		05-10-66	GSE PLANNING AND REQUIREMENTS LIST	209	
END ITEM TEST AND INSPECTION PROCEDURES	312		*68-16194 NORTH AMERICAN ROCKWELL CORP. /SPACE DIV. FIRST ARTICLE CONFIG. INSPECTION CUSTOMER ACCEPTANCE READINESS REVIEW CONFIG. INSPECTION REVIEW L/C 39 S/C 017/LTA-10R		18-05-67
*68-16396 RCA / DEFENSE ELECTRONIC PRODUCTS DETAILED CALIBRATION AND ALIGNMENT PROCEDURES SECTION TEST FACILITY VENDOR ACCEPTANCE TEST EQUIPMENT		20-03-67	AUTOMATIC CHECKOUT EQUIPMENT		
RELIABILITY TEST AND EVALUATION	405		FAILURE DATA	402	
*68-16190 RCA / DEFENSE ELECTRONIC PRODUCTS BTC PERFORMANCE VERIFICATION TEST PROCEDURE FOR RENDEZVOUS RADAR SECTION		15-05-67	*68-16737 RADIATION INCORPORATED QUARTERLY RELIABILITY STATUS REPORT FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM FOR PACE 3/C		01-03-64
SUPPORT PLAN	606		QUARTERLY RELIABILITY STATUS REPORTS	404	
*68-17295 PHILCO CORP. / WDL DIV. FLIGHT CONTROL DATA LOADING GUIDE		26-01-68	*68-16737 RADIATION INCORPORATED QUARTERLY RELIABILITY STATUS REPORT FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM FOR PACE 3/C		01-03-64
MONTHLY PROGRESS REPORT	701		FACILITIES PLAN	602	
*68-16306 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY ACTIVITY REPORT FOR THE STUDY OF DF1/C GSE AND GTV		00-11-65	*68-17003 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION FACILITIES PLAN FOR ACE-S/C SYSTEM		00-12-67
*68-16307 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY ACTIVITY REPORT FOR THE STUDY OF DF1/C GSE AND GTV, TASK 10		31-12-65	TRAINING PLAN	607	
*68-16308 TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY ACTIVITY REPORT FOR THE STUDY OF DF1/C GSE AND GTV, 31 OCTOBER 1965		31-10-65	*68-17215 GRUMMAN AIRCRAFT ENGINEERING CORP. LEM GROUND CREW TRAINING PLAN-SUPPLEMENT NO. 1 15 APRIL 1966		18-02-66
*68-17164 PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON PROGRESS REPORT FOR 1 OCT THRU 31 DECEMBER		10-01-68			

AUTOMATIC CHECKOUT EQUIPMENT - Continued	AUTOMATIC CHECKOUT EQUIPMENT - Continued	Acceptance Checkout Equipment
<p>RELIABILITY PLAN 608</p> <p>*68-16738 RADIATION INCORPORATED RELIABILITY PROGRAM PLAN FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM 06-01-64</p>	<p>END ITEM TEST PLAN 311</p> <p>*68-16631 CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT 14-10-64</p>	
<p>AUTOMATIC CHECKOUT EQUIPMENT Acceptance Checkout Equipment</p>	<p>END ITEM TEST AND INSPECTION PROCEDURES 312</p>	
<p>SPE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002</p> <p>*67-14666 GRUMMAN AIRCRAFT ENGINEERING CORP. GSE CABLING,HSC-SESL FACILITY,DESIGN CONTROL SPECIFICATION FOR 11-08-66</p> <p>*68-16468 GRUMMAN AIRCRAFT ENGINEERING CORP. BENCH TEST MAINTENANCE EQUIPMENT FUNCTIONAL CATEGORY,SPECIFICATION FOR 29-11-66</p>	<p>*68-16630 CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT 06-01-65</p> <p>ACCEPTANCE DATA PACKAGE 314</p> <p>*68-16630 CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT 06-01-65</p> <p>QUARTERLY RELIABILITY STATUS REPORTS 404</p>	
<p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16627 CONTROL DATA CORP. COMPARATIVE EVALUATION OF THE CONTROL DATA 160G COMPUTER FOR THE ACE- S/C PROBLEM,VOLUME 1 06-00-64</p> <p>*68-16635 CONTROL DATA CORP. UNDETECTED ERROR FOR THE CONTROL DATA 8528 DIGITAL COMMUNICATION TERMINAL-TECHNICAL MEMORANDUM 24-04-64</p> <p>*68-17016 GRUMMAN AIRCRAFT ENGINEERING CORP. MEASUREMENT CHANNEL IDENTIFICATION MATRIX VEHICLE LM-LTA-8 25-09-67</p>	<p>*68-16629 CONTROL DATA CORP. FOURTH QUARTERLY RELIABILITY STATUS REPORT-ACE-S/C 15-01-65</p> <p>*68-16632 CONTROL DATA CORP. THIRD QUARTERLY RELIABILITY STATUS REPORT-ACE-S/C 15-10-64</p> <p>*68-16633 CONTROL DATA CORP. FIRST QUARTERLY RELIABILITY STATUS REPORT-ACE-S/C 20-04-64</p> <p>*68-16634 CONTROL DATA CORP. SECOND QUARTERLY RELIABILITY STATUS REPORT-ACE-S/C 19-07-64</p>	
<p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-16628 CONTROL DATA CORP. COMPARATIVE EVALUATION OF THE CONTROL DATA 160 G COMPUTER THE ACE- S/C PROBLEM,VOLUME 2-PROGRAMMING APPENDICES 00-00-64</p> <p>*68-16630 CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT 00-01-65</p> <p>*68-16631 CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT 14-10-64</p>	<p>*68-16739 RADIATION INCORPORATED QUARTERLY RELIABILITY STATUS REPORT FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM FOR ACE S/C 01-09-64</p> <p>*68-16740 RADIATION INCORPORATED QUARTERLY RELIABILITY STATUS REPORT FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM FOR ACE S/C 00-12-64</p> <p>*68-16741 RADIATION INCORPORATED QUARTERLY RELIABILITY STATUS REPORT FOR THE DIGITAL ACQUISITION AND DECOMMUTATION SYSTEM FOR ACE S/C 01-06-64</p> <p>GROUND CREW OPERATIONS PROCEDURES 586</p>	
<p>DESIGN VERIFICATION, TEST DATA AND REPORTS 203-01</p> <p>*68-16260 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 003 SECTION 1-VEHICLE TEST PLAN 01-10-65</p>	<p>*68-16254 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO VEHICLE GROUND OPERATIONS PLAN (FOR APOLLO-LEM SATURN V FLIGHTS) 36-09-64</p> <p>TEST PLAN 603</p>	
<p>PRELIMINARY DESIGN AND REQUIREMENTS 204</p> <p>*68-16201 MIT INSTRUMENTATION LAB APOLLO GUIDANCE AND NAVIGATION TEST DATA PROGRAM PLAN 06-07-65</p>	<p>*67-14675 GRUMMAN AIRCRAFT ENGINEERING CORP. HSC-1 (EST,LTA-1) TEST PLAN,HOUSE SPACECRAFT (ELECTRONICS INTEGRATION) 01-11-65</p> <p>*68-16260 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 003 SECTION 1-VEHICLE TEST PLAN 01-10-65</p>	
<p>DRAWINGS,SPECIFICATIONS,AND DOCUMENTATION LISTS 206</p> <p>*68-16180 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACCEPTANCE CHECKOUT EQUIPMENT,SPACECRAFT,DOCUMENTATION LIST 01-07-67</p>	<p>*68-16453 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 012,SECTION 2,PART 2,INTEGRATED CHECKOUT PLAN 24-11-66</p> <p>QUALITY PLAN 609</p>	
<p>INTERFACE CONTROL (SYSTEMS) 207</p> <p>*67-14700 GRUMMAN AIRCRAFT ENGINEERING CORP. 27-06-66</p> <p>*68-16258 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR 2M-1 SECTIONS 1 AND 2 COMBINED VEHICLE TEST PLAN AND GROUND OPERATIONS REQUIREMENTS 03-12-65</p>	<p>*68-17405 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUALITY PROGRAM PLAN,REVISION 2 01-08-67</p> <p>QUARTERLY PROGRESS REPORT 701-01</p> <p>*68-16181 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 APRIL 1967 TO 15 JULY 1967 01-08-67</p>	
<p>ACCEPTANCE TEST DATA SHEETS 303</p> <p>*68-16631 CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT 14-10-64</p>	<p>*68-17315 GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT (PERIOD FROM 15 JULY 1967 TO 15 OCT 1967) 01-11-67</p>	

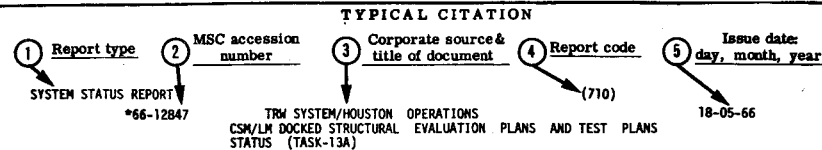
SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
AUTOMATIC CHECKOUT EQUIPMENT - Continued	Acceptance Checkout Equipment		MATERIALS AND COMPONENTS - Continued	Materials	
*68-17451	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 OCTOBER 1967 TO 15 JANUARY 1968	01-02-68	QUALIFICATION TEST REPORTS AND DATA	302	
MATERIALS AND COMPONENTS (GENERAL)			*68-17374	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF EVALUATION OF EPON 919 SEALANT	29-09-67
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203		END ITEM TEST AND INSPECTION PROCEDURES	312	
*68-16648	MIT INSTRUMENTATION LAB THE MIT/IL GIMBALLLESS IMU DEVELOPMENT, TEST, AND PERFORMANCE (U)	06-07-66	*68-17374	GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF EVALUATION OF EPON 919 SEALANT	29-09-67
QUALIFICATION TEST REPORTS AND DATA	302		RELIABILITY ANALYSIS, DESIGN REVIEW	401	
*68-16266	RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	28-03-67	*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67
MONTHLY PROGRESS REPORT	701		MONTHLY PROGRESS REPORT	701	
*68-17411	WESTINGHOUSE ELECTRIC CORP. THIRTEENTH MONTHLY REPORT FOR APOLLO COMMUNICATION SYSTEM SUPPORT	06-01-68	*68-17425	WESTINGHOUSE ELECTRIC CORP. ELEVENTH MONTHLY REPORT FOR APOLLO COMMUNICATION SYSTEM SUPPORT, 31 OCTOBER-30 NOVEMBER, 1967	00-11-67
MATERIALS AND COMPONENTS			MATERIALS REPORT	703	
	Materials		*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67
MATERIALS SPECIFICATIONS	104-01		*68-17255	NASA/MSC-HOUSTON, TEXAS AN INVESTIGATION OF APOLLO TITANIUM PRESSURE VESSEL WELDS, MADE WITH COMMERCIAL PURE FILLER WIRE (W FILE, W68-10,049)	00-01-68
*68-16465	GRUMMAN AIRCRAFT ENGINEERING CORP. MOLDING COMPOUND, INJECTED OR EXTRUDED, METHACRYLATE SPECIFICATION	18-08-67	MATERIALS AND COMPONENTS		
*68-16466	GRUMMAN AIRCRAFT ENGINEERING CORP. MOLDING PLASTIC, POLYAMIDE, SPECIFICATION	18-08-67		Modules	
*68-16467	GRUMMAN AIRCRAFT ENGINEERING CORP. COMPOUND, POTTING, SILICONE RUBBER, HIGH STRENGTH, SPECIFICATION	21-08-67	RELIABILITY ANALYSIS, DESIGN REVIEW	401	
STRUCTURAL DYNAMICS/THERMAL TEST CRAFT	201-01		*68-16168	RAYTHEON CO. SPECIAL REPORT ON APOLLO INTEGRATED CIRCUITS (LEAK TESTING AND CORROSION ANALYSIS)	01-02-67
*68-16859	TRW SYSTEMS SUMMARY REPORT ON OPTICAL AND THERMAL CONTROL COATING DEGRADATION OF THE APOLLO SPACECRAFT (TASK ASP0-333)	31-10-67	RELIABILITY TEST AND EVALUATION	405	
TECHNICAL DATA, REPORTS, AND ANALYSES	202		*68-16168	RAYTHEON CO. SPECIAL REPORT ON APOLLO INTEGRATED CIRCUITS (LEAK TESTING AND CORROSION ANALYSIS)	01-02-67
*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67	MATERIALS AND COMPONENTS		
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01			Packaging	
*68-16934	NASA / MSC - HOUSTON / CREW SYSTEM DIV. NONMETALLIC MATERIALS STATUS FOR EMU ALTITUDE VERIFICATION TESTS	17-11-67	DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01	
*68-17013	AEROJET-GENERAL CORP. INVESTIGATION OF THE COMPATIBILITY OF GOLD BRAZE ALLOYS WITH AEROZINE 50 (STAR,)	08-11-67	*68-16255	NORTH AMERICAN ROCKWELL CORP., SPACE DIV. AUTOMATED CONTROL SUBSYSTEM DEVELOPMENT PLAN	01-04-65
MATERIALS AND COMPONENTS			MATERIALS AND COMPONENTS		
	Parts		TECHNICAL DATA, REPORTS, AND ANALYSES	202	
			*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67

MATERIALS AND COMPONENTS - Continued	Parts	MATERIALS AND COMPONENTS - Continued	Parts
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01		
*68-16256 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. DISPLAYS AND CONTROLS SUBSYSTEM DEVELOPMENT PLAN	01-04-65	*68-16457 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIAL TEST RECORD, BEARING-LUBRICANT SYSTEM-BARDEN AND GE	19-04-67
.....	204	*68-16458 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIAL TEST RECORD, CONTACT, MALE-NATIONAL CONNECTOR CORP.	19-01-67
DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS	204	*68-16459 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIALS TEST RECORD, DIODE-CERTIFIED VOLTAGE REFERENCE- TRANSITRON ELECT CORP	06-02-67
*68-16995 NASA/GEORGE C. MARSHALL SPACE FLIGHT CENTER SATURN V COMPOSITE MECHANICAL SCHEMATIC	01-08-67	*68-16460 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIAL TEST RECORD, DIODE-CERTIFIED VOLTAGE REFERENCE- TRANSITRON ELECT. CORP.	06-02-67
.....	210	*68-16461 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIALS TEST RECORD, DIODE-CERTIFIED VOLTAGE REFERENCE- TRANSITRON ELECT. CORP.	06-02-67
SPARES DOCUMENTATION	210	*68-17048 RCA / DEFENSE ELECTRONIC PRODUCTS FINAL TEST REPORT LEM PARTS QUALIFICATION PROGRAM	22-06-67
*68-16250 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. PRE-INSTALLATION ACCEPTANCE PLAN	01-01-66	*68-17150 TRW SYSTEMS TEMPERATURE STUDY OF VARACTER DIODES	07-01-65
*68-17258 NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT QUALIFIED PARTS LIST	14-11-66	.....
.....	302	ACCEPTANCE TEST DATA SHEETS	303
QUALIFICATION TEST REPORTS AND DATA	302	*68-16607 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258 SPARES	26-08-67
*68-16261 RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	28-02-67	*68-16608 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258 SPARES	07-09-67
*68-16262 RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	28-02-67	*68-16610 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258-472111-1 GASKET, 8258-472073-132 GASKET, 8258-473639-3 GASKET	01-09-67
*68-16263 RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	28-02-67	*68-16611 BELL AEROSYSTEMS CO. ACCEPTANCE TEST DATA PACKAGE FOR 8258-473592-1 OX INLET LINE, S/N 18	17-08-67
*68-16264 RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	09-03-67	.....
*68-16265 RAYTHEON CO. APOLLO QUALIFICATION REVIEW REPORT	09-03-67	TEST AND INSPECTION	308
*68-16382 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, DIODE, FAST RECOVERY-GE	13-02-67	*68-17213 TEXAS INSTRUMENTS, INC. DELTA QUALIFICATION TEST REPORT-VOLUME 1-TESTING OF HERMETICALLY SEALED SWITCHES	19-10-67
*68-16383 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, DIODE, CERTIFIED VOLTAGE REFERENCE-TRANSITRON	16-03-67	*68-17214 TEXAS INSTRUMENTS, INC. DELTA QUALIFICATION TEST REPORT-VOLUME 2-TESTING OF HERMETICALLY SEALED SWITCHES	19-10-67
*68-16384 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, TRANSFORMER BUSH	09-05-67	.....
*68-16385 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, MOTOR-TACHOMETER-SOLVERE	05-01-67	END ITEM TEST AND INSPECTION PROCEDURES	312
*68-16386 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, DIODE-GE	13-02-67	*68-16446 GRUMMAN AIRCRAFT ENGINEERING CORP. RESULTS OF FEASIBILITY TEST OF TERMINAL SEALANTS	17-08-67
*68-16387 AC SPARK PLUG/ELECTRONICS DIV. G.M. QUALIFICATION TEST RECORD AND REVIEW REPORT, CAPACITOR-MARSHALL IND	09-05-67	*68-17150 TRW SYSTEMS TEMPERATURE STUDY OF VARACTER DIODES	07-01-65
*68-16395 RCA / DEFENSE ELECTRONIC PRODUCTS FINAL TEST REPORT FOR SEMICONDUCTOR DIODE, SILICON VOLTAGE VARIABLE CAPACITANCE	06-07-67	.....
*68-16454 AC SPARK PLUG/ELECTRONICS DIV. G.M. STRESS DISTRIBUTION-POLYURETHANE FOAM POTTING ADJUSTABLE RELAYS. TEST RECORD	16-02-67	END ITEM NARRATIVE REPORT	313
*68-16455 AC SPARK PLUG/ELECTRONICS DIV. G.M. EVALUATION TESTING OF SOLDER JOINTS MADE ON GOLD PLATED COMPONENTS SIMULATING THE APOLLO 25 IRIG PLATE AND HARNESS ASSEMBLY TEST RECORD	31-01-67	*68-16572 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. END ITEM NARRATIVE REPORT LEM GENERAL PURPOSE INVERTER, S/N 125	20-06-67
*68-16456 AC SPARK PLUG/ELECTRONICS DIV. G.M. PARTS AND MATERIALS TEST RECORD, TRANSISTOR, NPN-FAIRCHILD	30-03-67	*68-16573 HAMILTON STANDARD / DIV. UNITED AIRCRAFT CORP. END ITEM NARRATIVE REPORT LEM GENERAL PURPOSE INVERTER S/N 126	20-06-67
		
		RELIABILITY ANALYSIS, DESIGN REVIEW	401
		*68-16168 RAYTHEON CO. SPECIAL REPORT ON APOLLO INTEGRATED CIRCUITS (LEAK TESTING AND CORROSION ANALYSIS)	01-02-67

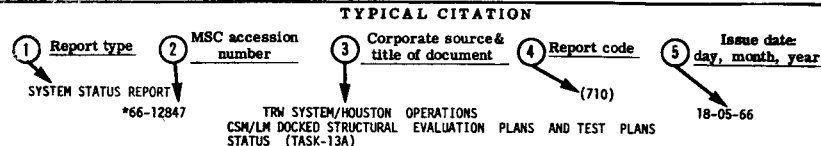
SYSTEMS INDEX



SYSTEM: MATERIALS AND COMPONENTS - Continued	SUBSYSTEM: Parts	MAJOR EQUIPMENT GROUP:	SYSTEM: MATERIALS AND COMPONENTS - Continued	SUBSYSTEM: Pyrotechnic Devices	MAJOR EQUIPMENT GROUP:
*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67	RELIABILITY ANALYSIS, DESIGN REVIEW	401	
FAILURE DATA	402		*68-17252	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE, W68-10,085)	00-12-67
*68-16450	NORTH AMERICAN ROCKWELL CORP./SPACE DIV., APOLLO FAILURE REPORT	30-06-67	RELIABILITY TEST AND EVALUATION	405	
RELIABILITY TEST AND EVALUATION	405		*68-17252	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE, W68-10,085)	00-12-67
*68-16168	RAYTHEON CO. SPECIAL REPORT ON APOLLO INTEGRATED CIRCUITS (LEAK TESTING AND CORROSION ANALYSIS)	01-02-67	S/C DESCRIPTION MANUALS	501-02	
DOCUMENTATION PLAN	610-01		*68-17246	NORTH AMERICAN ROCKWELL CORP./SPACE DIV., APOLLO ORDNANCE SUBSYSTEMS	00-08-66
*68-16250	NORTH AMERICAN ROCKWELL CORP./SPACE DIV., PRE-INSTALLATION ACCEPTANCE PLAN	01-01-66	MONTHLY PROGRESS REPORT	701	
MATERIALS REPORT	703		*68-16667	SPACE ORDNANCE SYSTEMS AUGUST 1967 PROGRESS REPORT, PRESSURE CARTRIDGE ASSY, P/N 1-10527-14 (LSC 320-319-1) AND EXPLOSIVE CARTRIDGE ADAPTER P/N 1-10527-13	00-08-67
*68-16327	MECHANICAL PRODUCTS, INC. PROPOSAL FOR FLAMEPROOFING METHODS FOR APOLLO CIRCUIT BREAKERS, PROPOSAL NO. 6711	03-08-67	*68-16926	SPACE ORDNANCE SYSTEMS JULY 1967 PROG RPT, PRESS CARTRIDGE ASSY, P/N 1-10527-14 (LSC 320-319-1) AND EXPL CARTRIDGE ADAPTER (LSC 320-320-1)	00-07-67
*68-16451	NASA/MSC-HOUSTON, TEXAS APOLLO S/C PARTS AND MATERIALS PROGRAM MASTER FILE REPORTS, PARTS IDENT INDEX, MATERIALS IDENT INDEX, PART NAME INDEX	17-01-67	FINAL REPORT	704	
FINAL REPORT	704		*68-16398	THE FRANKLIN INSTITUTE RESEARCH LABS RF EVALUATION OF THE SINGLE BRIDGEWIRE APOLLO STANDARD INITIATOR, FINAL REPORT	00-08-67
*68-17050	RCA / DEFENSE ELECTRONIC PRODUCTS FINAL TEST REPORT, LEM PARTS QUALIFICATION PROGRAM, QSS NO. 76A	28-06-67	LAUNCH SUPPORT SYSTEMS		
MATERIALS AND COMPONENTS Pyrotechnic Devices			TECHNICAL DATA, REPORTS, AND ANALYSES 202		
QUALIFICATION TEST REPORTS AND DATA	302		*68-17207	PHILCO CORP. / WDL DIV. MCC-H PERFORMANCE EVALUATION REPORT FOR THE AS-501 MISSION	09-12-67
*68-16494	EXPLOSIVE TECHNOLOGY INC. QUALIFICATION TEST REPORT, LUNAR EXCURSION MODULE DESCENT STAGE UMBILICAL CABLE CUTTER ASSEMBLY	15-06-67	COMPUTER SOFTWARE AND MECHANIZATION	202-02	
*68-17004	SPACE ORDNANCE SYSTEMS QUALIFICATION TEST REPORT-PRESSURE CARTRIDGE ASSEMBLY	10-10-67	*68-17207	PHILCO CORP. / WDL DIV. MCC-H PERFORMANCE EVALUATION REPORT FOR THE AS-501 MISSION	09-12-67
END ITEM TEST AND INSPECTION PROCEDURES	312		*68-17263	PHILCO CORP. / WDL DIV. ALDS COMPUTER PROGRAM MANUAL	12-12-65
*68-16313	QUANTATRON INC. ACCEPTANCE TEST PROCEDURE, PRESSURE CARTRIDGE, MODEL 1334, 1334C	09-06-67	RELIABILITY ANALYSIS, DESIGN REVIEW	401	
*68-16341	GRUMMAN AIRCRAFT ENGINEERING CORP. ELECTRICAL CIRCUIT INTERRUPTER (DEAD FACE SWITCH) CYCLING PROCEDURE	21-07-67	*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66
*68-16398	THE FRANKLIN INSTITUTE RESEARCH LABS RF EVALUATION OF THE SINGLE BRIDGEWIRE APOLLO STANDARD INITIATOR, FINAL REPORT	00-08-67	FAILURE DATA	402	
*68-16565	SPACE ORDNANCE SYSTEMS TEST PROCEDURE FOR QUALIFICATION TESTING OF PRESSURE CARTRIDGE ASSEMBLY, PN 501-10527-14	17-07-67	*68-16893	NASA/MSC-HOUSTON, TEXAS FAILURE SUMMARY AND TREND ANALYSIS FOR PERIOD SEPTEMBER AND OCTOBER 1966	00-12-66
			HANDBOOKS OR MANUALS SUPPORT EQUIPMENT	503	
			*68-17263	PHILCO CORP. / WDL DIV. ALDS COMPUTER PROGRAM MANUAL	12-12-65

LAUNCH SUPPORT SYSTEMS - Continued	APOLLO PAYLOAD TOTAL - Continued
<p>GROUND CREW OPERATIONS PROCEDURES 306</p> <p>*68-16254 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. 30-09-64 APOLLO VEHICLE GROUND OPERATIONS PLAN (FOR APOLLO-LEM SATURN V FLIGHTS)</p>	<p>*68-17400 NASA/MSC-HOUSTON, TEXAS 01-02-68 RTCC REQS FOR MISSION G, SELECTING AND VERIFYING USBS DOPPLER DATA SOURCES DURING LM ASCENT AND DESCENT (W FILE, W68-10102)</p> <p>*68-17401 NASA/MSC-HOUSTON, TEXAS 01-02-68 RTCC REQUIREMENTS FOR MISSIONS E AND G, TRANSLUNAR INJ PROCESSOR (W FILE, W68-10,109)</p> <p>*68-17402 NASA/MSC-HOUSTON, TEXAS 01-02-68 RTCC REQUIREMENTS FOR MISSION G, LOI TARGETING PROCESSOR (W FILE, W68-10,107)</p>
<p>APOLLO PAYLOAD TOTAL</p>	<p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p>
<p>CFE INTERFACE SPECIFICATIONS 102-02</p> <p>*68-16919 NASA/MSC-HOUSTON, TEXAS 01-11-67 GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 1</p> <p>*68-16920 NASA/MSC-HOUSTON, TEXAS 01-11-67 GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 2</p> <p>..... MODELING AND SIMULATION 201</p> <p>*68-16153 TRW SYSTEMS 00-00-65 WORLD MAP UNIFORM GRID PROJECTION FOR USE WITH 3400-6034-RU000, ORBIT EVALUATION AND MISSION PLANNING GUIDE</p> <p>..... TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16532 TRW SYSTEMS/HOUSTON OPERATIONS 11-09-67 PRELIMINARY SHIP POSITIONING DATA, SUPPLEMENT TO VOL. 1 AND VOL. 2, JANUARY-JUNE 1969, TASK MSC/TRW A-134</p> <p>*68-16792 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. 28-09-67 PROJECT APOLLO FLIGHT READINESS REVIEW S/C 017-LTA-10R, VOLUME 2 REPORT</p> <p>*68-16841 NASA/MSC-HOUSTON, TEXAS 02-10-67 PRELIMINARY BACKUP ABORT PROCEDURES FOR ABORTS OCCURRING DURING TRANSLUNAR INJECTION (W FILE, W67-10822)</p> <p>*68-16951 TRW SYSTEMS/HOUSTON OPERATIONS 25-10-67 PRELIMINARY SHIP POSITIONING DATA, VOL. IV, OCTOBER-DECEMBER 1969</p> <p>*68-16955 TRW SYSTEMS/HOUSTON OPERATIONS 27-11-67 LUNAR LAUNCH WINDOW CONFIGURATION, JULY 1968-JULY 1969</p> <p>*68-17064 TRW SYSTEMS/HOUSTON OPERATIONS 22-12-68 APOLLO UPDATA SIGNAL CHARACTERISTICS AND CAPABILITY PERFORMANCE (STAR FILE, STAR) APOLLO COMMUNICATIONS SYSTEMS, TASK E-59A</p> <p>*68-17078 NASA/MSC-HOUSTON, TEXAS 20-12-67 FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-10,018)</p> <p>*68-17103 TRW SYSTEMS/HOUSTON OPERATIONS 22-11-67 GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. VII-JULY-SEPT 1969</p> <p>*68-17107 TRW SYSTEMS/HOUSTON OPERATIONS 12-12-67 SUMMARY REPORT, IMPLEMENTATION OF COMPUTATIONAL TECHNIQUES FOR ORBITAL DEBRIS HAZARD STUDIES TASK MSC/TRW AA-20,1</p> <p>*68-17116 TRW SYSTEMS/HOUSTON OPERATIONS 31-12-67 AGC LAUNCH DISPLAY PARAMETER ANALYSIS FOR MANNED MISSIONS (U FILE, U68-10,030) MSC/TRW, IN-67-FM-133)</p> <p>*68-17197 TRW SYSTEMS/HOUSTON OPERATIONS 14-06-65 TRANSFORMATIONS INVOLVING THE SELENOGRAPHIC COORDINATE SYSTEM-SUMMARY TECHNICAL REPORT</p> <p>*68-17206 NASA/MSC-HOUSTON, TEXAS 09-01-68 APOLLO MISSION C (AS-205/CSM-131) SPACECRAFT REFERENCE TRAJECTORY, VOL. 2-TRAJECTORY LISTING (W FILE, W68-10,077)</p> <p>*68-17379 NASA/MSC-HOUSTON, TEXAS 16-01-68 APOLLO MISSION C (AS-205/CSM-131) SPACECRAFT REFERENCE TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE, W68-10,101)</p>	<p>*68-16182 TRW SYSTEMS 06-06-65 ORBIT EVALUATION AND MISSION PLANNING GUIDE-VOL. 1-TRANSPARENT OVERLAYS (TASK MSC/STL A-16)</p> <p>*68-16762 TRW SYSTEMS/HOUSTON OPERATIONS 11-09-67 GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. 4-OCT DEC 1968, TASK MSC/TRW A-117</p> <p>*68-16849 TRW SYSTEMS/HOUSTON OPERATIONS 28-09-67 MISSION AS-501 SEPARATION AND RECONTACT ANALYSIS (W FILE, W67-10800) (IN-67-FM-151, MSC/TRW)</p> <p>*68-16852 NASA/MSC-HOUSTON, TEXAS 06-11-67 MPAD INTERNAL REVIEW OF APOLLO 4 FLIGHT MISSION RULES (W FILE, W67-10835)</p> <p>*68-16855 TRW SYSTEMS/HOUSTON OPERATIONS 05-06-67 APOLLO COMMUNICATIONS COMPATIBILITY ANALYSIS FOR MISSION AS-501 (W FILE, W67-10677) (IN-EB-R-67-3, MSC/TRW)</p> <p>*68-16911 TRW SYSTEMS/HOUSTON OPERATIONS 18-04-67 COLLISION PROBABILITY OF THE APOLLO SPACECRAFT WITH OBJECTS IN EARTH ORBIT (W FILE, W67-10561) (IN-66-FM-44, TRW/MSC)</p> <p>*68-16912 TRW SYSTEMS/HOUSTON OPERATIONS 10-02-67 APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 1 (W FILE, W67-10411) (IN-67-FM-5, VOL. 1, TRW/MSC)</p> <p>*68-16914 TRW SYSTEMS/HOUSTON OPERATIONS 01-03-67 APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 3 (W FILE, W67-10410) (IN-67-FM-5, VOL. 3, TRW/MSC)</p> <p>*68-16938 NASA/MSC-HOUSTON, TEXAS 00-00-00 AN ANALYSIS OF THE LAND IMPACT PROBLEM DURING MODE 1 ABORTS FROM THE SATURN 1B LAUNCH VEHICLE (W FILE, W67-10831)</p> <p>*68-16944 NASA/MSC-HOUSTON, TEXAS 28-11-67 AS-504/CSM-103/LM-3 MISSION PROFILE (W-FILE, W67-10887)</p> <p>*68-16952 TRW SYSTEMS/HOUSTON OPERATIONS 01-10-67 APOLLO CISLUNAR AND LUNAR ORBIT ATTITUDE CONSTRAINTS AND ENVELOPES, ADDENDUM 1, VOL. 2</p> <p>*68-16953 TRW SYSTEMS/HOUSTON OPERATIONS 01-10-67 APOLLO CISLUNAR AND LUNAR ORBIT ATTITUDE CONSTRAINTS AND ENVELOPES-VOL. 1</p> <p>*68-16955 TRW SYSTEMS/HOUSTON OPERATIONS 27-11-67 LUNAR LAUNCH WINDOW CONFIGURATION, JULY 1968-JULY 1969</p> <p>*68-16988 TRW SYSTEMS/HOUSTON OPERATIONS 13-10-67 PROJECT TECHNICAL REPORT TASK MSC/TRW E-19C, SERVICE PROPULSION SYS05 FLIGHT EVALUATION PLAN, APOLLO 4 501/017/LTA-10R</p> <p>*68-17075 NASA/MSC-HOUSTON, TEXAS 15-12-67 AS-503/504 REQUIREMENTS FOR THE RTCC, THE RETURN-TO-EARTH ABORT PROCESSOR, VOLUME 1-EARTH-CENTERED LOGIC (W FILE, W68-10,009)</p> <p>*68-17078 NASA/MSC-HOUSTON, TEXAS 20-12-67 FINITE AND IMPULSIVE BURN SIMULATIONS OF FIXED-ATTITUDE TRANSLUNAR INJECTION ABORTS (W FILE, W68-10,018)</p> <p>*68-17083 NASA/MSC-HOUSTON, TEXAS 08-12-67 MINIMUM DELTA V REQUIRED TO RETURN TO EARTH FROM MOON-CENTERED ELLIPSES RESULTING FROM CSM RESCUE OF THE LM (W FILE, W67-10,891)</p> <p>*68-17129 NASA/MSC-HOUSTON, TEXAS 12-12-67 PROJECT APOLLO AS-503A REQUIREMENTS FOR THE RTCC, RETURN-TO-EARTH ABORT CONIC SUBPROCESSOR REV. 1 (W FILE, W67-10,895)</p>

SYSTEMS INDEX



SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
APOLLO PAYLOAD TOTAL - Continued			APOLLO PAYLOAD TOTAL - Continued		
*68-17136	NASA/MSC-HOUSTON, TEXAS TRAJECTORY INFORMATION FOR INITIAL PLANNING OF TERMINAL PHASE OF COELLIPTIC SEQUENCE RENDEZVOUS IN LUNAR ORBIT (W FILE, W68-10,038)	08-01-68	*68-17326	TRW SYSTEMS/HOUSTON OPERATIONS EVALUATION OF EDS ABORT SIGNALS FOR AS-503, TASK MSC/TRW A-96	06-11-67
*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65	*68-17329	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TECHNICAL INFORMATION LISTING, CSM-103	00-12-67
*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68	*68-17345	TRW SYSTEMS APOLLO MISSION PARAMETER ANALYSIS, LUNAR ORBIT RENDEZVOUS REF TRAJ DATA PACKAGE (U)	29-05-64
*68-17229	TRW SYSTEMS LOR REF TRAJECTORY NO 3 LISTING CONTINUED, LEM FINAL DESCENT TO EARTH REENTRY ISSUE 4, VOL 3C	29-07-64	*68-17346	TRW SYSTEMS SUMMARY AND REFERENCE TRAJECTORY NO 2 DATA EXHIBITS LUNAR ORBIT RENDEZVOUS REF TRAJECTORY DATA PACKAGE (U) ISSUE 4 VOL 2A	22-07-64
*68-17230	TRW SYSTEMS LOR PRINTOUT KEYS + REFERENCE TRAJECTORY NO 62 LISTING (EARTH LNCH TO LEM FINAL DESCENT), ISSUE 4, VOL 2B	22-07-64	*68-17348	TRW SYSTEMS SUMMARY AND REFERENCE TRAJECTORY NO 5 DATA EXHIBITS, LUNAR ORBIT RENDEZVOUS REF TRAJECTORY DATA PACKAGE (U) ISSUE 4 VOL 5A	26-08-64
*68-17231	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 2 LISTING CONCLUDED (RE-ENTRY) (ISSUE 4 VOL 2D)	22-07-64	*68-17349	TRW SYSTEMS PRINTOUT KEYS AND REFERENCE TRAJECTORY 5 LISTING (EARTH LAUNCH TO LM FINAL DESCENT), LORRTOP (U) ISSUE 4, VOL 5B	26-08-64
*68-17232	TRW SYSTEMS LOR PRINTOUT KEYS AND REFERENCE TRAJECTORY NO 1 LISTING, (EARTH LAUNCH TO LEM FINAL DESCENT) ISSUE 4, VOL 1B	08-07-64	*68-17350	TRW SYSTEMS SUMMARY AND REFERENCE TRAJECTORY NO 4 DATA EXHIBITS, LUNAR ORBIT RENDEZVOUS REF TRAJECTORY DATA PACKAGE (U) ISSUE 4, VOL 4A	12-08-64
*68-17233	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 3 LISTING CONCLUDED, (RE-ENTRY) ISSUE 4, VOL 3D	29-07-64	*68-17353	TRW SYSTEMS SUMMARY AND REFERENCE TRAJECTORY NO 3 DATA EXHIBITS, LUNAR ORBIT RENDEZVOUS REF TRAJECTORY DATA PACKAGE (U) VOL 3A	29-07-64
*68-17234	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 4 LISTING CONCLUDED, (RE-ENTRY) ISSUE 4 VOL L 4D	12-08-64	*68-17378	NASA/MSC-HOUSTON, TEXAS LOGIC FOR THE REAL-TIME THRUST MODEL (W FILE, W68-10,013)	04-01-68
*68-17237	TRW SYSTEMS LOR SUMMARY + REFERENCE TRAJECTORY NO 1 DATA EXHIBITS ISSUE 4, VOL 1A (U)	08-07-64	..... COMPUTER SOFTWARE AND MECHANIZATION 202-02		
*68-17238	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 5 LISTING CONCLUDED (RE-ENTRY) ISSUE 4, VOL L 5A (U)	26-08-64	*68-16911	TRW SYSTEMS/HOUSTON OPERATIONS COLLISION PROBABILITY OF THE APOLLO SPACECRAFT WITH OBJECTS IN EARTH ORBIT (W FILE, W67-10561) (1N-66-FM-44, TRW/MSC)	10-04-67
*68-17269	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED ON EARTH ORBITAL AND LUNAR MISSIONS USING PROGRAM COLOSSUS, SEC 7 (U) (STAR FILE)	00-11-67	*68-16919	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 1	01-11-67
*68-17270	MIT INSTRUMENTATION LAB GUIDANCE AND NAVIGATION SYSTEM OPERATIONS PLAN, MISSION AS 204A/205, VOL L 2 (U)	00-10-66	*68-16920	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 2	01-11-67
*68-17273	TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MSFN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT (U)	20-01-64	*68-17075	NASA/MSC-HOUSTON, TEXAS AS-503/504 REQUIREMENTS FOR THE RTCC, THE RETURN-TO-EARTH ABORT PROCESSOR, VOLUME 1-EARTH-CENTERED LOGIC (W FILE, W68-10,009)	15-12-67
*68-17274	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS PROPOSED TRAJECTORY FOR RTDP (ISSUE 3) (U)	27-03-64	*68-17081	NASA/MSC-HOUSTON, TEXAS A NON-ITERATIVE METHOD FOR THE DETERMINATION OF ACTUAL APOGEE AND PERIGEE RADII (W FILE, W68-10,311)	27-12-67
*68-17275	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS PROPOSED FORMAT FOR (RTDP) ISSUE 4 (U)	15-04-64	*68-17129	NASA/MSC-HOUSTON, TEXAS PROJECT APOLLO AS-503A REQUIREMENTS FOR THE RTCC, RETURN-TO-EARTH ABORT CONIC SUBPROCESSOR REV. 1 (W FILE, W67-10,895)	12-12-67
*68-17276	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS REFERENCE TRAJECTORY DATA PACKAGE, ISSUE 4- SUMMARY + REPORT (U)	30-10-64	*68-17147	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TRAJECTORY DESIGN PROGRAM-PROGRAM MANUAL-VOL. 2	11-12-65
*68-17284	NASA/MSC-HOUSTON, TEXAS MPAD VERIFICATION OF APOLLO 5 (AS-204/LM-1) FLIGHT MISSION RULES (W FILE, W68-10,080)	22-01-68	*68-17197	TRW SYSTEMS/HOUSTON OPERATIONS TRANSFORMATIONS INVOLVING THE SELENOGRAPHIC COORDINATE SYSTEM- SUMMARY TECHNICAL REPORT	14-06-65
			*68-17229	TRW SYSTEMS LOR REF TRAJECTORY NO 3 LISTING CONTINUED, LEM FINAL DESCENT TO EARTH REENTRY ISSUE 4, VOL 3C	29-07-64

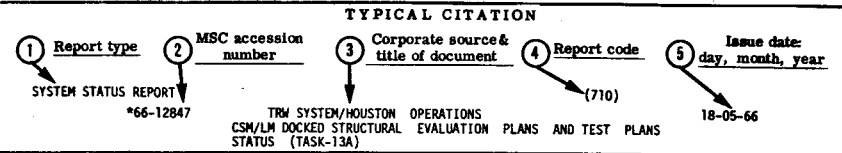
APOLLO PAYLOAD TOTAL - Continued

*68-17230	TRW SYSTEMS LOR PRINTOUT KEYS + REFERENCE TRAJECTORY NO 62 LISTING (EARTH LNCH TO LEM FINAL DESCENT), ISSUE 4, VOL 2B	22-07-64
*68-17231	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 2 LISTING CONCLUDED (RE-ENTRY) (ISSUE 4 VOL 2D)	22-07-64
*68-17232	TRW SYSTEMS LOR PRINTOUT KEYS AND REFERENCE TRAJECTORY NO 1 LISTING (EARTH LAUNCH TO LEM FINAL DESCENT) ISSUE 4, VOL 1B	08-07-64
*68-17233	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 3 LISTING CONCLUDED (RE-ENTRY) ISSUE 4, VOL 3D	29-07-64
*68-17234	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 4 LISTING CONCLUDED (RE-ENTRY) ISSUE 4 VOL L 4D	12-08-64
*68-17238	TRW SYSTEMS LOR REFERENCE TRAJECTORY NO 5 LISTING CONCLUDED (RE-ENTRY) ISSUE 4 VOL L 5A (U)	28-08-64
*68-17273	TRW SYSTEMS RANDOM ERROR ANALYSES-APOLLO ORBIT MSPN RADARS + ONBOARD OPTICAL OBSERVATIONS, VOL 2-EARTH PARKING ORBIT (U)	26-01-64
*68-17276	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS REFERENCE TRAJECTORY DATA PACKAGE, ISSUE 4- SUMMARY + REPORT (U)	30-10-64
*68-17283	NASA/MSC-HOUSTON, TEXAS LOGIC + EQ(S) FOR REAL-TIME COMPUTATION OF A SATELLITE EPHEMERIS ABOUT MOON IN TERMS OF A SPEC POTENTIAL (W FILE, W68-10,076)	15-01-68
*68-17286	NASA/MSC-HOUSTON, TEXAS RTCC REQS FOR MISSION RETURN-TO-EARTH ABORT CONIC SUBPROCESSOR FOR MOON-CENTERED ABORTS (W FILE, W68-10,092)	01-02-68
*68-17291	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR THE REAL-TIME COMPUTATION OF THE LUNAR MODULE DESCENT PLANNING TABLE (W FILE, W68-10,093)	26-01-68
*68-17378	NASA/MSC-HOUSTON, TEXAS LOGIC FOR THE REAL-TIME THRUST MODEL (W FILE, W68-10,013)	04-01-68
*68-17400	NASA/MSC-HOUSTON, TEXAS RTCC REQS FOR MISSION G, SELECTING AND VERIFYING USBS DOPPLER DATA SOURCES DURING LM ASCENT AND DESCENT (W FILE, W68-10,102)	01-02-68
*68-17401	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSIONS E AND G, TRANSLUNAR INJ PROCESSOR (W FILE, W68-10,109)	01-02-68
*68-17402	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION S, LOI TARGETING PROCESSOR (W FILE, W68-10,107)	01-02-68
PRELIMINARY DESIGN AND REQUIREMENTS		204
*68-17294	NASA/MSC-HOUSTON, TEXAS RECOVERY REQUIREMENTS-APOLLO 5 (204/LM-1) (W FILE, W68-10,088)	28-08-67
*68-17302	NASA/MSC-HOUSTON, TEXAS APOLLO RECOVERY OPERATIONS MANUAL (W FILE, W68-10,089) APOLLO 6 (AS-502)	00-01-68
INTERFACE CONTROL (SYSTEMS)		207
*68-17170	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION REPORT (W FILE, W68-)	00-01-68
MISSION BILEVEL / NUMERICAL DATA		214
*68-17329	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO TECHNICAL INFORMATION LISTING, CSM-103	00-12-67

APOLLO PAYLOAD TOTAL - Continued

RELIABILITY ANALYSIS, DESIGN REVIEW		401
*68-17070	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION-ANOMALY REPORT NO. 1 (W FILE, W67-10894)	08-12-67
*68-17071	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION-ANOMALY REPORT NO. 2 (W FILE, W67-10893)	08-12-67
*68-17292	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE, W68-10,085)	00-12-67
QUARTERLY RELIABILITY STATUS REPORTS		404
*68-17239	NASA/WASHINGTON, D. C. AS-201 MISSION RELIABILITY ANALYSIS (ADDENDUM TO APOLLO R + GA PROGRAM QUARTERLY REPORT OF JAN 7, 1966) (U)	14-01-66
RELIABILITY TEST AND EVALUATION		405
*68-17292	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 10 (W FILE, W68-10,085)	00-12-67
S/C DESCRIPTION MANUALS		501-02
*68-17053	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, APOLLO NATURAL ENVIRONMENT MANUAL	00-02-63
*68-17246	NORTH AMERICAN ROCKWELL CORP./SPACE DIV, APOLLO ORDNANCE SUBSYSTEMS	00-08-66
SUPPORT EQUIPMENT DESCRIPTION MANUALS		503-02
*68-17294	NASA/MSC-HOUSTON, TEXAS RECOVERY REQUIREMENTS-APOLLO 5 (204/LM-1) (W FILE, W68-10,088)	28-08-67
*68-17302	NASA/MSC-HOUSTON, TEXAS APOLLO RECOVERY OPERATIONS MANUAL (W FILE, W68-10,089) APOLLO 6 (AS-502)	00-01-68
SUPPORT PLAN		606
*68-16769	NASA/KENNEDY SPACE CENTER APOLLO-SATURN IB LAUNCH	12-12-66
*68-16770	NASA/KENNEDY SPACE CENTER APOLLO S-V SPACE VEHICLE COUNTDOWN DEMONSTRATION TEST, SUPPORT DIRECTIVE 40001 (LATEST REVISION RECEIVED)	15-09-67
*68-16771	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V FLIGHT READINESS TEST, SUPPORT DIRECTIVE 40002 (LATEST REVISION RECEIVED)	22-09-67
*68-16772	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V INTERFACE TESTS, SUPPORT DIRECTIVE 48001 AND UP (LATEST REVISION RECEIVED)	07-09-67
*68-16773	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V APOLLO SOFTWARE INTEGRATION TEST, SUPPORT DIRECTIVE 48009 (LATEST REVISION RECEIVED)	07-07-67
RELIABILITY PLAN		608
*67-14189	NASA/WASHINGTON, D. C. PROCEDURE FOR FAILURE MODE, EFFECTS, AND CRITICALITY ANALYSIS (FMECA)	00-08-66
*68-16620	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION PROGRAM REVIEW NASW410/ASPO SUPPORT PROGRAM	09-10-64
QUALITY PLAN		609
*68-16620	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION PROGRAM REVIEW NASW410/ASPO SUPPORT PROGRAM	09-10-64

SYSTEMS INDEX

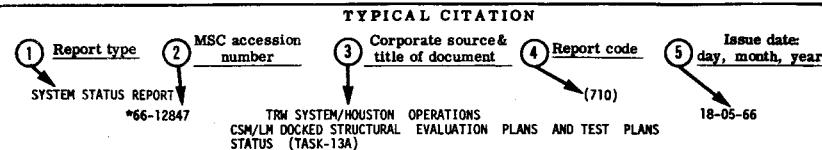


SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
APOLLO PAYLOAD TOTAL - Continued		
BIMONTHLY PROGRESS REPORT		701-02
*68-16309	TRW SYSTEMS BIMONTHLY PROGRESS REPORT, APOLLO SPACECRAFT SYSTEM ANALYSIS PROGRAM	21-04-65
*68-16310	TRW SYSTEMS BIMONTHLY PROGRESS REPORT, APOLLO SPACECRAFT SYSTEM ANALYSIS PROGRAM	21-06-65
*68-16311	TRW SYSTEMS BIMONTHLY PROGRESS REPORT, MISSION TRAJECTORY CONTROL PROGRAM, PROJECT APOLLO (PHASE 2)	21-10-64
*68-16312	TRW SYSTEMS BIMONTHLY PROGRESS REPORT, MISSION TRAJECTORY CONTROL PROGRAM, PROJECT APOLLO (PHASES 2 AND 2A)	21-12-64
APOLLO PAYLOAD TOTAL		
Modifications		
TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-16478	BELL AEROSYSTEMS CO. PARAMETRIC DATA FOR DRILLED ALUMINUM REGENERATIVELY COOLED THRUST CHAMBERS	00-07-63
*68-16915	MIT INSTRUMENTATION LAB LEM TRUCK, GUIDANCE AND NAVIGATION STUDY, FINAL REPORT (STAR FILE, X66-19184)	15-09-65
TOTAL CRAFT AND MISSION ANALYSES		202-01
*68-16833	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY FINAL REPORT VOL 4 CONFIG. STRUCTURES + WEIGHTS	16-11-64
*68-16913	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY (W FILE, W67-10553) (IN-67-FH-5, VOL. 2 MSC/TRW)	01-04-67
*68-16964	NASA/MSC-HOUSTON, TEXAS LAUNCH ABORT TRAJECTORY DATA FOR DETERMINING THE ABORT LOAD LIMIT FOR THE AS-205/101 MISSION (W FILE, W67-10875)	17-11-67
*68-16966	NASA/MSC-HOUSTON, TEXAS DELTA VELOCITY REQUIRED TO CHANGE THE LATITUDE OF LANDING ON A TRANSEARTH TRAJECTORY (W FILE, W67-10873)	16-11-67
*68-17074	NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM QUARTERLY STATUS REPORT NO. 21 FOR PERIOD ENDING SEPTEMBER 30, 1967 (W FILE, W68-10,014)	00-09-67
*68-17272	RAYTHEON CO. SPACEBORNE SENSOR STUDY ENGINEERING REPORT PART 2 ANALYTIC SOLUTION- VOL. 1	12-04-63
COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-17098	TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF PLANETARY HYPERBOLIC DEPARTURE TECHNIQUES (STAR FILE,)	22-12-67
PRELIMINARY DESIGN AND REQUIREMENTS		204
*67-15647	GARRETT CORP./AIRESEARCH MFG. DIV. EXTENDED MISSION APOLLO ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM-EXTENDED MISSIONS PARAMETRIC DESIGN ANALYSIS VOL. 1	15-10-65

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
APOLLO PAYLOAD TOTAL - Continued		
Modifications		
*67-15648	GARRETT CORP./AIRESEARCH MFG. DIV. EXTENDED MISSION APOLLO ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM EXTENDED MISSIONS PARAMETRIC DESIGN ANALYSIS-VOL. 2, PARTS 1 AND 2	15-10-65
QUARTERLY PROGRESS REPORT		701-01
*68-17074	NASA/MSC-HOUSTON, TEXAS APOLLO SPACECRAFT PROGRAM QUARTERLY STATUS REPORT NO. 21 FOR PERIOD ENDING SEPTEMBER 30, 1967 (W FILE, W68-10,014)	00-09-67
STUDIES-SUMMARY REPORTS		702
*68-17029	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)	16-11-64
FINAL REPORT		704
*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66
*68-17029	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)	16-11-64
*68-17030	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)	16-11-64
*68-17032	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL RPT, VOL 18-APOLLO X C AND D SUBSYS STUDY (COLLINS RADIO CO NO. 5230757463-00 1D1M)	16-11-64
STUDY PROJECTS APOLLO MODIFICATIONS		901
*67-15647	GARRETT CORP./AIRESEARCH MFG. DIV. EXTENDED MISSION APOLLO ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM-EXTENDED MISSIONS PARAMETRIC DESIGN ANALYSIS VOL. 1	15-10-65
*68-16448	GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO EXTENSION SYSTEMS LEM MID-TERM REPORT, PHASE B-PRELIMINARY DEFINITION	20-09-65
*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66
*68-16473	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. AAP/APOLLO COMBINED TEST PROGRAM ANALYSIS, FINAL REPORT	03-05-66
*68-16833	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY FINAL REPORT VOL 4 CONFIG. STRUCTURES + WEIGHTS	16-11-64
*68-17028	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY (FINAL REPORT) VOL 19- EARTH LANDING SYS	16-11-64
*68-17029	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 9- CRYOGENIC STORAGE SYSTEM (BEECH AIRCRAFT CORP. NO. ER 14299)	16-11-64
*68-17030	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 17- STABILIZATION AND CONTROL SYSTEM (HONEYWELL INC. NO. R-ED5207)	16-11-64
*68-17031	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY, FINAL REPORT, VOL. 11- COMMAND MODULE RCS ENGINE (ROCKETDYNE NO. R-5900-1P) (RC64-2144)	16-11-64

APOLLO PAYLOAD TOTAL - Continued	APOLLO PAYLOAD TOTAL - Continued	Applications Programs
<p>*68-17032 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL RPT.VOL 18-APOLLO X C AND D SUBSYS STUDY (COLLINS RADIO CO NO. 5230757463-00 101M)</p> <p>*68-17033 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 8- ALTERNATE POWER SOURCE (GENERAL ELECTRIC NO. APR-101)</p> <p>*68-17034 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 6-ENVIR CONTROL SYSTEM (GARRETT AIRRESEARCH DIVISION NO. 55-3222)</p> <p>*68-17035 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. EXTENDED APOLLO SYSTEMS UTILIZATION STUDY,FINAL REPORT,VOL. 13- ADAPTATION OF APOLLO RCS (BELL AEROSYSTEMS NO. D8404-953001)</p> <p>*68-17098 TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF PLANETARY HYPERBOLIC DEPARTURE TECHNIQUES (STAR FILE.)</p> <p>*68-17201 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO EXTENSION SYS-LUNAR EXCURSION MODULE PAYLOAD INTEG ADDENDUM TO PHASE B-FINAL REPORT,VOL. 3 (B)-ENGINEERING STUDIES/MISSION ANALYSIS</p> <p>*68-17218 GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO EXTENSION SYSTEMS-LUNAR EXCURSION MODULE PAYLOAD INTEGRATION ADDENDUM TO PHASE B-FINAL REPORT-VOL. 3 (A) ENG STUDIES/MISS ANAL</p>	<p>COMPUTER SOFTWARE AND MECHANIZATION 202-02</p> <p>*68-17159 TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8 27-10-67</p> <p>*68-17176 PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS 30-06-67</p> <p>*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17 01-02-68</p> <p>PRELIMINARY DESIGN AND REQUIREMENTS 204</p> <p>*67-13821 TRW SYSTEMS/HOUSTON OPERATIONS MPAD/MAB ORBITAL MISSION DESIGN SECTION AAP MISSION RESPONSIBILITIES AND FUNCTIONS-ACTIVITIES SCHEDULE SUPPLEMENT, (U) TASK MSC/TRW AA-7, 24-01-67</p> <p>*67-15649 GARRETT CORP./AIRRESEARCH MFG. DIV. ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM FOR APOLLO APPLICATION PROGRAM 00-00-66</p> <p>INTERFACE CONTROL (MANAGEMENT) 208</p> <p>*67-13776 TRW SYSTEMS/HOUSTON OPERATIONS MPAD FLIGHT ANALYSIS BRANCH REQUIREMENTS IDENTIFICATION, FOR APOLLO APPLICATIONS PROGRAM, (TASK MSC/TRW AA-6) 23-01-67</p> <p>*67-13807 TRW SYSTEMS/HOUSTON OPERATIONS MPAD/MAB ORBITAL MISSION DESIGN SECTION, APOLLO APPLICATIONS MISSION RESPONSIBILITIES AND FUNCTIONS, (TASK MSC/TRW AA-7) 24-01-67</p> <p>INTERFACE OPERATIONS, PROCEDURES 208-01</p> <p>*67-13820 TRW SYSTEMS/HOUSTON OPERATIONS MPAD FLIGHT OPERATIONS BRANCH REQUIREMENTS IDENTIFICATION, FOR APOLLO APPL. PROGRAM-ACTIVITIES SCHEDULE SUPPLEMENT, (U) TASK MSC/TRW AA-6 28-01-67</p> <p>PROGRAM PLAN 601</p> <p>*67-13776 TRW SYSTEMS/HOUSTON OPERATIONS MPAD FLIGHT ANALYSIS BRANCH REQUIREMENTS IDENTIFICATION, FOR APOLLO APPLICATIONS PROGRAM, (TASK MSC/TRW AA-6) 23-01-67</p> <p>*67-13807 TRW SYSTEMS/HOUSTON OPERATIONS MPAD/MAB ORBITAL MISSION DESIGN SECTION, APOLLO APPLICATIONS MISSION RESPONSIBILITIES AND FUNCTIONS, (TASK MSC/TRW AA-7) 24-01-67</p> <p>*67-13821 TRW SYSTEMS/HOUSTON OPERATIONS MPAD/MAB ORBITAL MISSION DESIGN SECTION AAP MISSION RESPONSIBILITIES AND FUNCTIONS-ACTIVITIES SCHEDULE SUPPLEMENT, (U) TASK MSC/TRW AA-7, 24-01-67</p> <p>RELIABILITY PLAN 608</p> <p>*67-14772 NASA/WASHINGTON, D. C. APOLLO APPLICATIONS RELIABILITY AND QUALITY ASSURANCE PROGRAM PLAN 00-05-67</p> <p>*68-16903 NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT), INTENDED FOR USE AAP MISSIONS 15-08-67</p> <p>*68-16904 NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT, FURNISHED EXPERIMENTAL + OPERATIONAL SUP, INTENDED FOR USE IN AAP MISS 15-08-67</p> <p>QUALITY PLAN 609</p> <p>*68-16903 NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT), INTENDED FOR USE AAP MISSIONS 15-08-67</p> <p>*68-16904 NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT, FURNISHED EXPERIMENTAL + OPERATIONAL SUP, INTENDED FOR USE IN AAP MISS 15-08-67</p>	
<p>APOLLO PAYLOAD TOTAL Applications Programs</p>		
<p>MODELING AND SIMULATION 201</p> <p>*68-17371 TRW SYSTEMS/HOUSTON OPERATIONS REQUIREMENTS FOR CONSUMABLES BUDGETING COMPUTER PROGRAM-TASK MSC/TRW AA-17 01-02-68</p> <p>TECHNICAL DATA, REPORTS, AND ANALYSES 202</p> <p>*68-16531 TRW SYSTEMS/HOUSTON OPERATIONS SOLUTION TECHNIQUES FOR AAP CONSUMABLES ANALYSIS, TASK MSC/TRW AA-17 01-09-67</p> <p>*68-17107 TRW SYSTEMS/HOUSTON OPERATIONS SUMMARY REPORT IMPLEMENTATION OF COMPUTATIONAL TECHNIQUES FOR ORBITAL DEBRIS HAZARD STUDIES TASK MSC/TRW AA-20:1 12-12-67</p> <p>*68-17159 TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8 27-10-67</p> <p>TOTAL CRAFT AND MISSION ANALYSES 202-01</p> <p>*67-13798 TRW SYSTEMS/HOUSTON OPERATIONS EVALUATION OF CURRENT APOLLO SPACECRAFT RANGE SAFETY AND ORBITAL DEBRIS HAZARD ANALYSES FOR SUPPORT OF AAP MISSIONS (TASK AA-9) 06-02-67</p> <p>*68-16862 TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY REFERENCE MISSION PROFILE FOR APOLLO APPLICATIONS MISSION AAP-5 (W FILE, W67-10,735) 10-08-67</p> <p>*68-17082 NASA/MSC-HOUSTON, TEXAS AN EVALUATION OF VEHICLE AND CONTROL SYSTEM CONFIGURATION FOR THE AAP MISSION 304 RENDEZVOUS (W FILE, W67-10849) 06-11-67</p> <p>*68-17121 NASA/MSC-HOUSTON, TEXAS AAP-1A PRELIMINARY LAUNCH ABORT ANALYSIS (W FILE, W67-10,896) 11-12-67</p> <p>*68-17176 PHILCO CORP. / WDL DIV. AAP AND LUNAR MISSIONS DATA LOADING ANALYSIS 30-06-67</p> <p>*68-17186 TRW SYSTEMS/HOUSTON OPERATIONS FIRST CLUSTER AAP MISSION-ATTITUDE STUDIES-FINAL REPORT, TASK MSC/TRW AA-23 (STAR FILE.) 30-12-67</p> <p>*68-17242 NORTH AMERICAN ROCKWELL CORP./SPACE DIV. FINAL REPORT, PRELIM DEFINITION PHASE APOLLO EXTENSION SYS SUBSYSTEM SUMMARY 17-01-66</p>		

SYSTEMS INDEX



80

SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
APOLLO PAYLOAD TOTAL - Continued	Applications Programs		APOLLO PAYLOAD TOTAL - Continued	Applications Programs	
MONTHLY PROGRESS REPORT		701	*68-16985	TRW SYSTEMS/HOUSTON OPERATIONS SOLAR PANEL ATTITUDE STUDY FOR AAP ORBITAL WORKSHOP MISSIONS	17-11-67
*67-15987	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM BIMONTHLY PROGRESS REPORT	15-12-66	*68-17082	NASA/MSC-HOUSTON, TEXAS AN EVALUATION OF VEHICLE AND CONTROL SYSTEM CONFIGURATION FOR THE AAP MISSION 304 RENDEZVOUS (W FILE, *67-10849)	06-11-67
QUARTERLY PROGRESS REPORT		701-01	*68-17102	AMERICAN SCIENCE AND ENGINEERING, INC. FINAL REPORT, PHASE 1-X-RAY ASTRONOMY EXPERIMENTS S017 + S039, APOLLO APPLICATIONS PROGRAM AAP FLIGHT (STAR FILE)	30-11-67
*67-15638	BELLCOMM, INC. QUARTERLY PROGRESS REPORT FOR JAN, FEB, MARCH 1967	01-05-67	*68-17159	TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8	27-10-67
BIMONTHLY PROGRESS REPORT		701-02	*68-17254	NASA/MSC-HOUSTON, TEXAS NASA APOLLO APPLICATIONS PROGRAM ELECTRICAL POWER SYSTEMS STUDY FOR AN AUGMENTED LUNAR MODULE (W FILE, *68-10,021)	15-12-67
*67-15995	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM, BIMONTHLY PROGRESS REPORT, PERIOD/APRIL 1966-30 JUNE 1966	15-06-66	INDIRECT SUPPORT EQUIPMENT (GROUND)		
*67-15996	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM, BIMONTHLY PROGRESS REPORT, PERIOD/JUNE 1966-31 JULY 1966	15-08-66	GFE SUPPORT SYSTEMS SPECIFICATION	102-01-002	
*67-16025	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM BIMONTHLY PROGRESS REPORT	15-02-67	*68-17172	PHILCO CORP. / WDL DIV. AUTOMATIC VOICE SWITCHING SYSTEM REQUIREMENTS CONTROL DOCUMENT, VOLUME 2, SYSTEM SOFTWARE REQUIREMENTS	27-10-67
FINAL REPORT		704	*68-17262	PHILCO CORP. / WDL DIV. SIMULATION REQUIREMENTS CONTROL DOCUMENT DIGITAL-TO-TV DISPLAY FORMATS SPECIFICATIONS	03-12-65
*67-13754	GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO APPLICATIONS PROGRAM, PRELIMINARY DEFINITION STUDY OF UTILIZATION OF LM, FINAL REPORT, VOLUME II - PROGRAM REPORT	29-07-66	GFE INTERFACE SPECIFICATIONS	102-02	
*67-13755	GRUMMAN AIRCRAFT ENGINEERING CORP. APOLLO APPLICATIONS PROGRAM, PRELIMINARY DEFINITION STUDY OF UTILIZATION OF LM, FINAL REPORT, VOL. I - TECHNICAL REPORTS (SEC. 1, 2, 3)	29-07-66	*68-16513	PHILCO CORP. / WDL DIV. DISPLAY/CONTROL SYSTEM DESIGN DOCUMENT	20-11-63
*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66	*68-16522	PHILCO CORP. / WDL DIV. COMPUTER INPUT AND INTERFACE EQUIPMENT FOR ON-LINE PROGRAMMING	30-06-65
*68-17102	AMERICAN SCIENCE AND ENGINEERING, INC. FINAL REPORT, PHASE 1-X-RAY ASTRONOMY EXPERIMENTS S017 + S039, APOLLO APPLICATIONS PROGRAM AAP FLIGHT (STAR FILE)	30-11-67	*68-17172	PHILCO CORP. / WDL DIV. AUTOMATIC VOICE SWITCHING SYSTEM REQUIREMENTS CONTROL DOCUMENT, VOLUME 2, SYSTEM SOFTWARE REQUIREMENTS	27-10-67
PROGRAM PROGRESS REPORT		707	GFE SUPPORT EQUIPMENT DESIGN SPECIFICATION	102-03-002	
*67-16027	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO APPLICATIONS MISSION TRAJECTORY CONTROL PROGRAM BIMONTHLY PROGRESS REPORT	15-04-67	*68-16300	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, THEODOLITE, LDW 420-13240	19-07-67
*68-17177	PHILCO CORP. / WDL DIV. TLS IMPLEMENTATION AND TECHNICAL PROGRESS REPORT-VOLUME 3	15-12-67	*68-16303	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, AUXILIARY CRANE CONTROL, LSC 420 13060	18-07-67
*68-17178	PHILCO CORP. / WDL DIV. TLS IMPLEMENTATION AND TECHNICAL PROGRESS REPORT-VOLUME 1	31-08-67	*68-16304	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION, BREAKOUT BOXES, LDW 410-1210	19-07-67
STUDY PROJECTS APOLLO MODIFICATIONS		901	*68-16513	PHILCO CORP. / WDL DIV. DISPLAY/CONTROL SYSTEM DESIGN DOCUMENT	20-11-63
*68-16449	GRUMMAN AIRCRAFT ENGINEERING CORP. PRELIMINARY DEFINITION STUDY OF LEM FOR AES (AAP) PHASE B PAYLOAD INTEGRATION ADDENDUM	10-02-66	*68-16522	PHILCO CORP. / WDL DIV. COMPUTER INPUT AND INTERFACE EQUIPMENT FOR ON-LINE PROGRAMMING	30-06-65
*68-16903	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CREW SYSTEMS DIVISION (CATEGORY 111 EQUIPMENT) INTENDED FOR USE AAP MISSIONS	15-08-67			
*68-16904	NASA / MSC - HOUSTON / CREW SYSTEM DIV. RELIABILITY AND QUALITY ASSURANCE PROVISIONS FOR CSD GOVT. FURNISHED EXPERIMENTAL + OPERATIONAL SUP. INTENDED FOR USE IN AAP MISS	15-08-67			

INDIRECT SUPPORT

EQUIPMENT (GROUND) - Continued

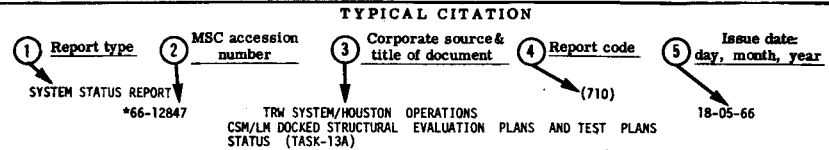
*68-17428	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. APOLLO GSE END ITEM SPECIFICATION FOR ELECTRICAL TERMINAL DISTRIBUTOR 300 FOOT LEVEL MOBILE LAUNCHER MODEL C14-356	13-10-67
.....		
CALIBRATION/METROLOGY SPECIFICATIONS		302-03-003
*68-16552	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPEC LEAK DETECTOR ASSEMBLY MASS SPECTROMETER, HELIUM LSC 430-52000	22-08-67
.....		
MODELING AND SIMULATION		201
*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	18-08-65
.....		
TECHNICAL DATA, REPORTS, AND ANALYSES		202
*68-16523	PHILCO CORP. / WDL DIV. RTCC-D/TV INTERFACE REPORT	15-08-67
*68-17174	PHILCO CORP. / WDL DIV. CONVERSION OF DIGITAL TELEVISION DISPLAY SYSTEM TO 729/525 SYSTEM	29-09-67
*68-17211	PHILCO CORP. / WDL DIV. ENGINEERING ANALYSIS OF THE CORRELATION BETWEEN MCC-W DATA FLOW AND MCC-W POWER DISTRIBUTION	15-11-67
.....		
TOTAL DRAFT AND MISSION ANALYSES		202-01
*68-16912	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO MISSION AS-206 SPACECRAFT OPERATIONAL TRAJECTORY-VOL. 1 (W FILE W67-10411) (IN-67-FM-3, VOL. 1, TRW/MSC)	10-02-67
.....		
COMPUTER SOFTWARE AND MECHANIZATION		202-02
*68-16630	CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT	00-01-65
*68-16631	CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT	14-10-64
*68-16765	TRW SYSTEMS/HOUSTON OPERATIONS ORACLE-MAFIA PROGRAM-VOLUME 1, TASK MSC/TRW ASPD 19-B	27-09-67
*68-16766	TRW SYSTEMS/HOUSTON OPERATIONS ORACLE-MAFIA PROGRAM-VOLUME 2, TASK MSC/TRW ASPD-19B	27-09-67
*68-17002	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COASTING FLIGHT NAVIGATION SIMULATION-OBSIM/NAVSIM PROGRAM FORMULATION	25-07-67
*68-17005	TRW SYSTEMS/HOUSTON OPERATIONS OBSIM AND NAVSIM DETAILED SUBROUTINE AND PROGRAM DESCRIPTION, BOOK 2, NAVSIM	21-08-67
*68-17205	TRW SYSTEMS/HOUSTON OPERATIONS THE REAL TIME AUXILIARY COMPUTING FACILITY LV-204/LM-01 (APOLLO 5) OPERATIONAL SUPPORT TEAM HANDBOOK (W FILE W68-10,075)	10-01-68
*68-17262	PHILCO CORP. / WDL DIV. SIMULATION REQUIREMENTS CONTROL DOCUMENT DIGITAL-TO-TV DISPLAY FORMATS SPECIFICATIONS	03-12-65
*68-17263	PHILCO CORP. / WDL DIV. ALDS COMPUTER PROGRAM MANUAL	12-12-65
.....		
DESIGN VERIFICATION, TEST DATA AND REPORTS		203-01
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 003 SECTION 1-VEHICLE TEST PLAN	01-10-65
.....		
INTERFACE CONTROL (SYSTEMS)		207
*68-16397	GARRETT CORP./AIRESEARCH MFG. DIV. INTERFACE CONTROL PLAN FREON SUPPLY UNIT-901132-1-1	12-09-66

INDIRECT SUPPORT

EQUIPMENT (GROUND) - Continued

*68-16523	PHILCO CORP. / WDL DIV. RTCC-D/TV INTERFACE REPORT	15-08-67
.....		
ACCEPTANCE TEST DATA SHEETS		303
*68-16631	CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT	14-10-64
.....		
END ITEM TEST PLAN		311
*67-16514	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 1192-1	11-08-67
*67-16515	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 1357	29-08-67
*68-16631	CONTROL DATA CORP. ACE-S/C ACCEPTANCE TEST PLAN FOR CONTROL DATA EQUIPMENT	14-10-64
*68-17171	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER-1479	11-09-67
.....		
END ITEM TEST AND INSPECTION PROCEDURES		312
*68-16630	CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT	00-01-65
.....		
ACCEPTANCE DATA PACKAGE		314
*68-16630	CONTROL DATA CORP. OPERATING PROCEDURES FOR ON-SITE ACE-S/C ACCEPTANCE TESTS OF CONTROL DATA CORP EQUIPMENT	00-01-65
.....		
HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		303
*68-17205	TRW SYSTEMS/HOUSTON OPERATIONS THE REAL TIME AUXILIARY COMPUTING FACILITY LV-204/LM-01 (APOLLO 5) OPERATIONAL SUPPORT TEAM HANDBOOK (W FILE W68-10,075)	10-01-68
*68-17263	PHILCO CORP. / WDL DIV. ALDS COMPUTER PROGRAM MANUAL	12-12-65
*68-17355	AC SPARK PLUG/ELECTRONICS DIV. G.M. RECOMMENDED APOLLO GROUND EQUIPMENT MASTER LIST 1-FIELD MAINTENANCE EQUIPMENT SECTION	30-07-65
.....		
SUPPORT EQUIPMENT DESCRIPTION MANUALS		303-02
*68-17355	AC SPARK PLUG/ELECTRONICS DIV. G.M. RECOMMENDED APOLLO GROUND EQUIPMENT MASTER LIST 1-FIELD MAINTENANCE EQUIPMENT SECTION	30-07-65
.....		
PROGRAM PLAN		601
*68-16249	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. ENGINEERING SIMULATION PLAN	18-08-65
.....		
FACILITIES PLAN		602
*68-17003	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION FACILITIES PLAN FOR ACE-S/C SYSTEM	00-12-67
.....		
TEST PLAN		603
*68-16260	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. VEHICLE PLAN FOR SPACECRAFT 003 SECTION 1-VEHICLE TEST PLAN	01-10-65
*68-17182	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 1660D	12-09-67

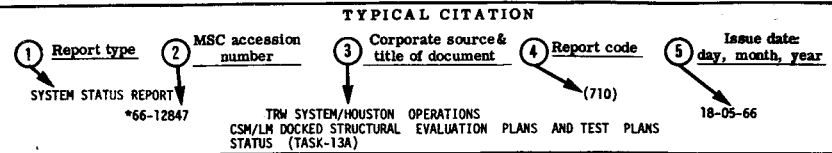
SYSTEMS INDEX



SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:	SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM: Space Flight, Ground Links, and Support	MAJOR EQUIPMENT GROUP:
*68-17183	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 1478	02-10-67	*68-16518	PHILCO CORP. / WDL DIV. DIGITAL TELEVISION DISPLAY SYSTEM DESIGN CONSIDERATIONS	21-08-67
QUARTERLY PROGRESS REPORT 701-01			*68-16991	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATION	23-06-67
*68-16181	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 APRIL 1967 TO 15 JULY 1967	01-08-67	*68-16992	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATION	15-08-67
*68-17451	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION ACE-S/C QUARTERLY PROGRESS REPORT FOR PERIOD FROM 15 OCTOBER 1967 TO 15 JANUARY 1968	01-02-68	*68-17264	PHILCO CORP. / WDL DIV. HOUSTON OPERATIONAL REQUIREMENTS CONTROL DOCUMENT VOL. 3, DESCRIPTIVE MATERIAL FOR REFERENCE SLIDE FILE FORMAT SPECIFICATIONS	09-09-67
INDIRECT SUPPORT EQUIPMENT (GROUND) Space Flight, Ground Links, and Support			CFE INTERFACE SPECIFICATIONS 102-02		
CFE INTERFACE SPECIFICATIONS 101-02			*68-16919	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 1	01-11-67
*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE, TASK ASPO E-58	28-09-67	*68-16920	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 2	01-11-67
CFE SUPPORT SYSTEMS SPECIFICATION 102-01-002			CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION 102-03-002		
*67-16114	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-1a, VOL. 2-TRAJECTORY PROCESSING REQ (REV SHEETS ATTACHED-NOT COLLATED)	23-02-68	*68-16991	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATION	23-06-67
*67-16115	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-1b, VOL. 3-TELEMETRY PROCESSING REQ (REV SHEETS ATTACHED-NOT COLLATED)	19-02-68	*68-16992	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATION	15-08-67
*67-16116	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-1b, VOL. 1v COMMAND PROCESSING REQUIREMENTS	20-10-65	TECHNICAL DATA, REPORTS, AND ANALYSES 202		
*67-16117	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROG. REQUIREMENTS FOR APOLLO C-1b, VOL. V-MISSION ORACT PRO REQ (REV SHEETA ATTACHED NOT COLLATED)	17-05-65	*68-16278	TRW SYSTEMS/HOUSTON OPERATIONS GEOMETRIC TRANSFORMATIONS ASSOCIATED WITH PROJECT PEARL, ASPO TASK 348	14-07-67
*67-16118	PHILCO CORP. / WDL DIV. MCC-HOUSTON OPERATIONAL REQUIREMENTS CONTROL DOCUMENT, VOL. 1-DIGITAL -TO-TV DISPLAY FORMATS SPECIFICATIONS	14-07-65	*68-16279	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 1, JANUARY-MARCH 1969, TASK MSC TRW A-134	22-08-67
*67-16119	PHILCO CORP. / WDL DIV. MCC-HOUSTON OPERATIONAL REQUIREMENTS CONTROL DOCUMENT VOL. 2 (REVISION SHEETS ATTACHED-NOT COLLATED)	13-02-68	*68-16369	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOC OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. 3-AUGUST-OCTOBER 1968, TASK MSC/TRW A-117	21-08-67
*67-16121	PHILCO CORP. / WDL DIV. MCC-HOUSTON SIMULATION REAL-TIME COMPUTER PROGRAM SPECIFICATIONS FOR APOLLO C1-B, VOL. 2	18-03-66	*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67
*67-16122	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-V VOL. 1-INTRODUCTION AND SUMMARY (REV SHEETS ATTACHED NOT COLLATED)	21-12-67	*68-16532	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, SUPPLEMENT TO VOL. 1 AND VOL. 2, JANUARY-JUNE 1969, TASK MSC/TRW A-134	11-09-67
*67-16123	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-V VOL. 2-TRAJECTORY PROCESSING REQ. (REV SHEETS ATTACHED-NOT COLLATED)	19-02-68	*68-16768	TRW SYSTEMS/HOUSTON OPERATIONS COMMUNICATION SYSTEM CONTROL DOCUMENTATION VALIDATION FOR THE SPACECRAFT/GROUND INTERFACE, TASK ASPO E-58	28-09-67
*67-16124	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQUIREMENTS FOR APOLLO C-V, VOL. 3-TELEMETRY PROCESSING REQ, (REV SHEETS ATTACHED NOT COLLATED)	23-02-68	*68-16792	NORTH AMERICAN ROCKWELL CORP./SPACE DIV. PROJECT APOLLO FLIGHT READINESS REVIEW S/C D17-LTA-10R, VOLUME 2 REPORT	28-09-67
*67-16125	PHILCO CORP. / WDL DIV. MCC-HOUSTON REAL-TIME COMPUTER PROGRAM REQ. FOR APOLLO C-V VOL. 1v-COMMAND PROCESSING REQ. (REV SHEETS ATTACHED-NOT COLLATED)	19-02-68	*68-16843	NASA/MSC-HOUSTON, TEXAS COMPARISON OF NAVIGATION SYSTEMS IN EARTH ORBIT (W FILE, W67-10830)	23-10-67
			*68-16851	TRW SYSTEMS/HOUSTON OPERATIONS FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE W67-10736) (MSC-IN-67-FM-86, MSC/TRW)	15-08-67

INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support	INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support
68-16870	TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF TELEMETRY DEGRADATION DUE TO BACKUP VOICE INTERFERENCE	26-10-67	68-17162	PHILCO CORP. / WDL DIV. MCC-H ELECTROMAGNETIC COMPATIBILITY STUDY PROGRAM REPORT	02-01-68
68-16879	NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE.W67-10844)	30-10-67	68-17207	PHILCO CORP. / WDL DIV. MCC-H PERFORMANCE EVALUATION REPORT FOR THE AS-501 MISSION	09-12-67
68-16899	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	00-06-67	68-17217	TRW SYSTEMS/HOUSTON OPERATIONS DEVELOPMENT OF ENTRY CORRIDORS FOR THE APOLLO NEAR EARTH ORBITAL MISS TASK MSC/TRW A-150 (STAR FILE.)	19-01-68
68-16908	TRW SYSTEMS/HOUSTON OPERATIONS ATMOSPHERIC ENTRY GROUND SUPPORT DISPLAYS FOR THE MISSION CONTROL CENTER-AS-501 (W FILE.W67-10) (IN-67-FM-66, MSC/TRW)	01-05-67	68-17228	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE W68-10.035)	29-12-67
68-16936	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL V	09-10-67	68-17248	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJ BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL 8-OCT-DEC 1969, TASK MSC/TRW A-117	29-12-67
68-16951	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. IV, OCTOBER-DECEMBER 1969	25-10-67	68-17297	TRW SYSTEMS VERIFICATION OF LANDING RADAR TRANSFER FUNCTIONS, TASK E-34C (STAR)	02-02-68
68-16963	TRW SYSTEMS/HOUSTON OPERATIONS FINAL PHASE REENTRY RANGE PREDICTOR STUDY	01-11-67	68-17354	TRW SYSTEMS APOLLO GUIDANCE AND NAV DIAGNOSTIC LOGIC STUDY, TASK MSC/TRW A-41	27-09-65
68-16983	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL VI	07-11-67	68-17379	NASA/MSC-HOUSTON, TEXAS APOLLO MISSION C (AS-205/CSM-131) SPACECRAFT REFERENCE TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE.W68-10.101)	16-01-68
68-16984	TRW SYSTEMS/HOUSTON OPERATIONS PRELIMINARY SHIP POSITIONING DATA, VOL. 3 JULY-SEPT 1969 TASK MSC/TRW A-134	11-10-67	68-17400	NASA/MSC-HOUSTON, TEXAS RTCC REQS FOR MISSION G, SELECTING AND VERIFYING USBS DOPPLER DATA SOURCES DURING LM ASCENT AND DESCENT (W FILE, W68-10102)	01-02-68
68-16996	MIT INSTRUMENTATION LAB GUIDANCE SYSTEM OPERATIONS PLAN FOR MANNED CM EARTH ORBITAL MISSIONS USING PROGRAM SU/DISK (STAR-) SEC 2 GNCS DATA LINKS	22-11-67	68-17401	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSIONS E AND G, TRANSLUNAR INJ PROCESSOR (W FILE.W68-10,109)	01-02-68
68-17080	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN.67-FM-146, MSC/TRW) (W FILE. W68-10,013)	07-12-67	68-17402	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION S, LOI TARGETING PROCESSOR (W FILE. W68-10,107)	01-02-68
68-17087	TRW SYSTEMS/HOUSTON OPERATIONS LCC/RTCC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116 FLIGHT PROGRAM, TASK MSC/TRW A-97	27-12-67	68-17433	NASA/MSC-HOUSTON, TEXAS METHODS FOR DETERMINING THE ORBITAL TRANSFER REQUIREMENTS FOR NEAR EARTH ORBITS (W FILE, W68-10,116)	30-01-68
68-17097	TRW SYSTEMS/HOUSTON OPERATIONS RESULTS OF INDEPENDENT FLIGHT SOFTWARE VALIDATION TESTING OF THE BURST 120 PROGRAM FOR THE LM-1 MISSION, TASK MSC/TRW A-97	22-12-67	68-17435	NASA/GODDARD SPACE FLIGHT CENTER RADIO VISIBILITY-ANTENNA LOOK ANGLE FORMULATION FOR AN APOLLO ATMOSPHERIC ENTRY	00-05-65
68-17099	LING TEMP CO VUGHT INC. LUNAR MODULE DESCENT STAGE THERMAL SIMULATOR, VOL. 1 (STAR FILE.)	18-08-64	68-17436	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	00-06-67
68-17103	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. VII-JULY-SEPT 1969	22-11-67	68-17437	NASA/GODDARD SPACE FLIGHT CENTER APOLLO USB-SYSTEM, MULTISIGNAL PHASE MODULATION PROBLEMS AND SOLUTIONS	21-04-65
68-17130	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOL. 2 TRAJECTORY LISTING (W FILE. W58-10,023)	29-12-67	68-17438	NASA/GODDARD SPACE FLIGHT CENTER APOLLO ENTRY RADAR ACQUISITION STUDY	28-05-65
68-17132	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY, VOLUME 3-TRACKING AND ASPECT ANGLE DATA (W FILE.W68-10036)	09-01-68	68-17440	NASA/GODDARD SPACE FLIGHT CENTER NAVIGATION ACCURACY FOR INFRARED EQUIPPED APOLLO AIRCRAFT FOR REENTRY TRACKING	05-01-65
68-17137	LING TEMP CO VUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR, VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67	68-17441	NASA/GODDARD SPACE FLIGHT CENTER ERROR ANALYSIS FOR APOLLO EARTH PARKING ORBITS USING RANGE RATE AND ANGLE MEASUREMENTS	00-01-65
68-17148	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO COMMUNICATION SYSTEMS TASK E-59A TECHNICAL REPORT CSM TELECOMMUNICATIONS SYSTEM ANALYSIS-PART 1 (STAR FILE)	05-01-68	68-17442	NASA/GODDARD SPACE FLIGHT CENTER APOLLO RE-ENTRY INFRARED SUPPORT	05-12-64
68-17158	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 2-TASK MSC/TRW A- 96	27-11-67	68-17443	NASA/GODDARD SPACE FLIGHT CENTER ON THE DECREASE OF THE RADAR CROSS SECTION OF THE APOLLO COMMAND MODULE DUE TO REENTRY PLASMA EFFECTS	00-06-67
68-17159	TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8	27-10-67	68-17444	NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE	00-02-66

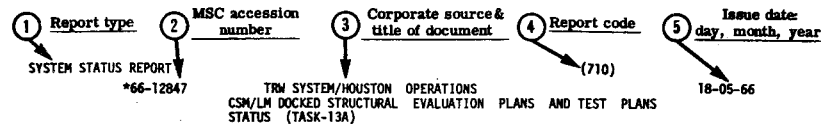
SYSTEMS INDEX



SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM: Space Flight, Ground Links, and Support	MAJOR EQUIPMENT GROUP:	SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM: Space Flight, Ground Links, and Support	MAJOR EQUIPMENT GROUP:
*68-17445	NASA/GODDARD SPACE FLIGHT CENTER THE INFLUENCE OF VENTING ON THE APOLLO EARTH PARKING ORBITS	24-11-64	*68-17085	NASA/MSC-HOUSTON, TEXAS PRELIM EVAL OF THE POLYNOMIAL + INTEGRATED MODES OF THE GENERALIZED ITERATOR FOR LOI TARGETING IN THE RTCC-(W FILE, #67-10,890)	24-11-67
*68-17446	NASA/GODDARD SPACE FLIGHT CENTER TRACKING OF A LUNAR TRANSFER ORBIT	00-11-64	*68-17092	IBM / FEDERAL SYSTEM DIV. SIMULATION VEHICLE SYSTEMS-AS-500 SATURN DEVELOPMENT-VOL 1 RTCC-APOLLO PROGRAMMING SYSTEMS	23-06-67
*68-17447	NASA/GODDARD SPACE FLIGHT CENTER RE-ENTRY TRACKING FOR APOLLO	06-03-64	*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	13-12-67
*68-17448	NASA/GODDARD SPACE FLIGHT CENTER USB/C-BAND PREDICTED TRACKING PERFORMANCE AS-501	00-08-67	*68-17100	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 TELEMETRY VOL. 2 RTCC-APOLLO PROGRAMMING SYSTEMS	15-12-67
*68-17449	NASA/GODDARD SPACE FLIGHT CENTER NETWORK PERFORMANCE ANALYSIS FOR THE AS-203 MISSION	19-10-66	*68-17130	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOL. 2 TRAJECTORY LISTING (W FILE, #68-10,023)	29-12-67
TOTAL CRAFT AND MISSION ANALYSES 202-01			*68-17132	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY, VOLUME 3-TRACKING AND ASPECT ANGLE DATA (W FILE, #68-10036)	09-01-68
*68-16530	TRW SYSTEMS/HOUSTON OPERATIONS SIMPLIFIED OPERATIONAL PROCESSOR FOR LM POWERED DESCENT MONITORING DISPLAYS, TASK MSC/TRW A-126	18-09-67	*68-17228	NASA/MSC-HOUSTON, TEXAS APOLLO 5 MISSION (AS-204/LM-1) SPACECRAFT OPERATIONAL TRAJECTORY VOLUME 1-MISSION DESCRIPTION (W FILE #68-10,035)	29-12-67
*68-16762	TRW SYSTEMS/HOUSTON OPERATIONS GEOGRAPHIC LOCI OF APOLLO TRANSLUNAR INJECTION BURNS AND FREE RETURN TOUCHDOWN POSITIONS, VOL. 4-OCT DEC 1968, TASK MSC/TRW A-117	11-09-67	*68-17276	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS REFERENCE TRAJECTORY DATA PACKAGE, ISSUE 4- SUMMARY + REPORT (U)	30-10-64
*68-16851	TRW SYSTEMS/HOUSTON OPERATIONS FLIGHT DYNAMICS DISPLAY PLOTBOARDS FOR THE 204/LM-1 MISSION (W FILE #67-10736) (MSC-IN-67-FM-86, MSC/TRW)	15-08-67	*68-17304	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON BOARD OBSERVATIONS (W FILE, #68-10,097)	01-02-68
*68-16864	TRW SYSTEMS/HOUSTON OPERATIONS SPACECRAFT OPERATIONAL ABORT AND ALTERNATE MISSION PLAN FOR 204/LM-1 (FORMERLY AS-206) (W FILE, #67-10,600)	15-05-67	*68-17305	NASA/MSC-HOUSTON, TEXAS APOLLO MISSION C REQUIREMENTS FOR THE REAL-TIME PROGRAM REENTRY PHASE (W FILE, #68-10,098)	30-01-68
*68-16879	NASA/MSC-HOUSTON, TEXAS VERIFICATION OF THE RTCC OPTICS COMPUTATIONS FOR AS-205/CSM 101 (W FILE, #67-10844)	30-10-67	*68-17325	TRW SYSTEMS/HOUSTON OPERATIONS ABORT LIMIT LINES DUE TO SATURN V AND APOLLO BLOCK 2 STRUCTURAL CONSTRAINTS, TASK MSC/TRW A-96	03-11-67
*68-16911	TRW SYSTEMS/HOUSTON OPERATIONS COLLISION PROBABILITY OF THE APOLLO SPACECRAFT WITH OBJECTS IN EARTH ORBIT (W FILE, #67-10561) (IN-66-FM-44, TRW/MSC)	10-04-67	*68-17378	NASA/MSC-HOUSTON, TEXAS LOGIC FOR THE REAL-TIME THRUST MODEL (W FILE, #68-10,013)	04-01-68
*68-16993	IBM / FEDERAL SYSTEM DIV. SIMULATION VEHICLE SYSTEMS-LM DEVELOPMENT-VOL. 1 RTCC, APOLLO PROGRAMMING SYSTEMS	29-09-67	..... 202-02		
*68-16994	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 MISSION PLANNING VOL. 2 RTCC APOLLO PROGRAM TESTING	19-07-67	*67-15308	PHILCO CORP. / WDL DIV. MULTI-CHANNEL DEMULTIPLEXER AND DISTRIBUTOR PROGRAMMING INSTRUCTIONS (MF D REVISIONS NOT COLLATED)	04-05-67
*68-17038	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-500 SYSTEMS INTEGRATION RTCC APOLLO PROGRAMMING SYSTEMS VOL. 2	15-12-67	*68-16838	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR REALTIME COMPUTATION OF LUNAR LANDING DESCENT TRAJECTORY (W FILE #67-10831)	25-10-67
*68-17039	IBM / FEDERAL SYSTEM DIV. MISSION SYSTEMS AS-200 ORBIT TRAJECTORY COMPUTATIONS VOL. 2 RTCC APOLLO PROGRAMMING SYSTEMS	15-12-67	*68-16840	NASA/MSC-HOUSTON, TEXAS RTCC GENERAL PURPOSE MANEUVER PROCESSOR UNIT TEST (W FILE, #67-10829)	25-10-67
*68-17075	NASA/MSC-HOUSTON, TEXAS AS-503/504 REQUIREMENTS FOR THE RTCC, THE RETURN-TO-EARTH ABORT PROCESSOR, VOLUME 1-EARTH-CENTERED LOGIC (W FILE, #68-10,009)	15-12-67	*68-16844	NASA/MSC-HOUSTON, TEXAS REAL-TIME AUXILIARY COMPUTING FACILITY LV-501/CSM-017 WORK SCHEDULE (W FILE, #67-10832)	27-10-67
*68-17079	NASA/MSC-HOUSTON, TEXAS AS-503A/AS-504A REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, #68-10,017)	15-12-67	*68-16847	TRW SYSTEMS/HOUSTON OPERATIONS REAL-TIME AUXILIARY COMPUTING FACILITY SOFTWARE DEVELOPMENT AND VERIFICATION GUIDELINES (W FILE, #67-10756) (IN-67-FM-109, TRW/MSC)	18-08-67
*68-17083	NASA/MSC-HOUSTON, TEXAS MINIMUM DELTA V REQUIRED TO RETURN TO EARTH FROM MOON-CENTERED ELLIPSES RESULTING FROM CSM RESCUE OF THE LM (W FILE, #67-10,891)	08-12-67	*68-16911	TRW SYSTEMS/HOUSTON OPERATIONS COLLISION PROBABILITY OF THE APOLLO SPACECRAFT WITH OBJECTS IN EARTH ORBIT (W FILE, #67-10561) (IN-66-FM-44, TRW/MSC)	10-04-67

INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support	INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support
*68-16919	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 1	01-11-67	*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT, VOL. 1	14-11-67
*68-16920	NASA/MSC-HOUSTON, TEXAS GROUND SUPPORT SIMULATION COMPUTER PROGRAM SPECIFICATIONS, BOOK 2	01-11-67	*68-17152	TRW SYSTEMS/HOUSTON OPERATIONS GMS PROGRAM INPUT/OUTPUT INSTRUCTIONS, TASK MSC/TRW A-135	14-01-68
*68-16946	BOEING CO. / SPACE DIV. CHARRING ABLATION PERFORMANCE IN TURBULENT FLOW (VOL 2- COMPUTER PROGRAM) STAR-FILE)	00-11-67	*68-17153	TRW SYSTEMS/HOUSTON OPERATIONS USERS MANUAL FOR THE EARTH-CENTERED ANALYTIC ABORT PROGRAM, TASK MSC/ TRW A-60.1	26-12-67
*68-16968	NASA/MSC-HOUSTON, TEXAS A DESCRIPTION OF THE INPUT TO THE APOLLO REAL-TIME RENDEZVOUS SUPPORT PROGRAM (W FILE, W67-10852)	03-11-67	*68-17156	TRW SYSTEMS/HOUSTON OPERATIONS PROGRAMMING MANUAL FOR THE APOLLO BLOCK DATA PROGRAM-TASK MSC/TRW A- 130	04-12-67
*68-16987	TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE US9-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS	13-10-67	*68-17158	TRW SYSTEMS/HOUSTON OPERATIONS SATURN LAUNCH VEHICLE SIMULATION USERS MANUAL-VOL. 2-TASK MSC/TRW A- 96	27-11-67
*68-17006	TRW SYSTEMS/HOUSTON OPERATIONS LEM AGS FLIGHT EQUATIONS DOCUMENT, MISSION 206A	14-09-66	*68-17159	TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8	27-10-67
*68-17011	TRW SYSTEMS/HOUSTON OPERATIONS AGSIM DETAILED SUBROUTINE AND PROGRAM DESCRIPTION	04-08-67	*68-17184	PHILCO CORP. / WDL DIV. CCATS INTERFACE DATA BOOK	15-06-66
*68-17022	TRW SYSTEMS/HOUSTON OPERATIONS OBSIM AND NAVSIM DETAILED SUBROUTINE AND PROGRAM DESCRIPTION	21-08-67	*68-17185	TRW SYSTEMS/HOUSTON OPERATIONS PROGRAMMING MANUAL LUNAR MODULE ELECTRICAL POWER SYSTEM PROGRAM HX007A TASK MSC/TRW A-166	22-01-68
*68-17075	NASA/MSC-HOUSTON, TEXAS AS-503/504 REQUIREMENTS FOR THE RTCC, THE RETURN-TO-EARTH ABORT PROCESSOR, VOLUME 1-EARTH-CENTERED LOGIC (W FILE, W68-10,009)	15-12-67	*68-17207	PHILCO CORP. / WDL DIV. MCC-H PERFORMANCE EVALUATION REPORT FOR THE AS-501 MISSION	09-12-67
*68-17077	NASA/MSC-HOUSTON, TEXAS THE MSC CSM ELECTRICAL POWER SUBSYSTEM PROGRAM (W FILE, W68-10,019)	27-12-67	*68-17212	TRW SYSTEMS/HOUSTON OPERATIONS APOLLO BLOCK DATA PROGRAM-USERS MANUAL TASK MSC/TRW A-130	04-12-67
*68-17079	NASA/MSC-HOUSTON, TEXAS AS-503/AS-504 REQUIREMENTS FOR THE RTCC, REENTRY PHASE (W FILE, W68-10,017)	15-12-67	*68-17216	TRW SYSTEMS/HOUSTON OPERATIONS GMS PROGRAM DESCRIPTION-TASK MSC/TRW A-135, (STAR FILE,)	23-01-68
*68-17080	TRW SYSTEMS/HOUSTON OPERATIONS REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM/017 MISSION REPORT (IN.67-FH-146, MSC/TRW) (W FILE, W68-10,013)	07-12-67	*68-17247	TRW SYSTEMS/HOUSTON OPERATIONS RECOMMENDED RTCC REQUIREMENTS FOR THE TLI GUIDANCE SWITCHOVER PROCEDURE-(TASK A-143)	15-01-68
*68-17081	NASA/MSC-HOUSTON, TEXAS A NON-ITERATIVE METHOD FOR THE DETERMINATION OF ACTUAL APOGEE AND PERIGEE RADII (W FILE, W68-10,311)	27-12-67	*68-17276	TRW SYSTEMS LUNAR ORBIT RENDEZVOUS REFERENCE TRAJECTORY DATA PACKAGE, ISSUE 4- SUMMARY + REPORT (U)	30-10-64
*68-17085	NASA/MSC-HOUSTON, TEXAS PRELIM EVAL OF THE POLYNOMIAL + INTEGRATED MODES OF THE GENERALIZED ITERATOR FOR LOI TARGETING IN THE RTCC-(W FILE, W67-10,890)	24-11-67	*68-17283	NASA/MSC-HOUSTON, TEXAS LOGIC + EQ(S) FOR REAL-TIME COMPUTATION OF A SATELLITE EPHEMERIS ABOUT MOON IN TERMS OF A SPEC POTENTIAL (W FILE, W68-10,076)	15-01-68
*68-17086	TRW SYSTEMS/HOUSTON OPERATIONS TRACKING DATA PREPROCESSOR USERS GUIDE (STAR FILE,), TASK MSC/TRW A-108	28-12-67	*68-17286	NASA/MSC-HOUSTON, TEXAS RTCC REGS FOR MISSION RETURN-TO-EARTH ABORT CONIC SUBPROCESSOR FOR MOON-CENTERED ABORTS (W FILE, W68-10,092)	01-02-68
*68-17098	TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF PLANETARY HYPERBOLIC DEPARTURE TECHNIQUES (STAR FILE,)	22-12-67	*68-17288	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR THE RTCC LUNAR ASCENT PREDICTOR (W FILE, W 68-10,079)	22-01-68
*68-17099	LING TEMCO VOUGHT INC. LUNAR MODULE DESCENT STAGE THERMAL SIMULATOR, VOL. 1 (STAR FILE,)	18-08-64	*68-17291	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR THE REAL-TIME COMPUTATION OF THE LUNAR MODULE DESCENT PLANNING TABLE (W FILE, W68-10,093)	26-01-68
*68-17109	LING TEMCO VOUGHT INC. COMPUTER ROUTINE MODIFICATION/PERFORMANCE PREDICTIONS APOLLO BLOCK 1 POWER GENERATION/HEAT REJECTION SYSTEM	30-11-67	*68-17297	TRW SYSTEMS VERIFICATION OF LANDING RADAR TRANSFER FUNCTIONS, TASK E-34C (STAR)	02-02-68
*68-17110	NASA/MSC-HOUSTON, TEXAS MSC INTERNAL TECHNICAL NOTE, DATA PROCESSING PLAN FOR APOLLO 5 LM-1 (W FILE, W68-10,010)	21-12-67	*68-17304	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION 3 LANDING SITE DETERMINATION USING ON BOARD OBSERVATIONS (W FILE, W68-10,097)	01-02-68
*68-17134	NASA/MSC-HOUSTON, TEXAS LOGIC AND EQUATIONS FOR THE REAL-TIME COMPUTATION OF THE LUNAR MODULE LAUNCH WINDOW AND RECOMMENDED LIFT-OFF TIME (W FILE, W68-10035)	05-01-68	*68-17305	NASA/MSC-HOUSTON, TEXAS APOLLO MISSION C REQUIREMENTS FOR THE REAL-TIME PROGRAM REENTRY PHASE (W FILE, W68-10,098)	30-01-68
*68-17137	LING TEMCO VOUGHT INC. LUNAR MODULE ASCENT STAGE THERMAL SIMULATOR, VOL. 1/FINAL REPORT FOR TASK 3.1.2	11-08-67	*68-17377	NASA/MSC-HOUSTON, TEXAS RTCC REGS FOR MISS E AND G, THE RETURN-TO-EARTH ABORT PROCESSOR, VOL 2- MOON-CENTERED LOGIC (W FILE, W68-10,104)	01-01-68

SYSTEMS INDEX

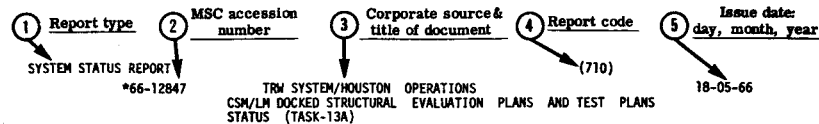


SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM: Space Flight, Ground Links, and Support	MAJOR EQUIPMENT GROUP:	SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued	SUBSYSTEM: Space Flight, Ground Links, and Support	MAJOR EQUIPMENT GROUP:
*68-17378	NASA/MSC-HOUSTON, TEXAS LOGIC FOR THE REAL-TIME THRUST MODEL (W FILE. #68-10.013)	04-01-68	MISSION RILEVEL / NUMERICAL DATA		214
*68-17400	NASA/MSC-HOUSTON, TEXAS RTCC REQS FOR MISSION G, SELECTING AND VERIFYING USBS DOPPLER DATA SOURCES DURING LM ASCENT AND DESCENT (W FILE. #68-10.102)	01-02-68	*68-17112	NASA/MSC-HOUSTON, TEXAS APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE DATA PROCESSING REQUIREMENTS (W FILE. #68-10.)	00-09-67
*68-17401	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSIONS E AND G, TRANSLUNAR INJ PROCESSOR (W FILE. #68-10.109)	01-02-68	TEST AND INSPECTION		308
*68-17402	NASA/MSC-HOUSTON, TEXAS RTCC REQUIREMENTS FOR MISSION G, LOI TARGETING PROCESSOR (W FILE. #68-10.107)	01-02-68	*68-17154	BELL AEROSYSTEMS CO. MODEL 7260-LUNAR LANDING TRAINING VEHICLE JOINT FATIGUE ANALYSIS REPORT	15-11-67
*68-17433	NASA/MSC-HOUSTON, TEXAS METHODS FOR DETERMINING THE ORBITAL TRANSFER REQUIREMENTS FOR NEAR EARTH ORBITS (W FILE. #68-10.116)	30-01-68	END ITEM TEST PLAN		311
*68-17436	NASA/GODDARD SPACE FLIGHT CENTER ANALYSIS OF THE APOLLO REENTRY RADAR	00-06-67	*68-17168	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 1318	12-01-68
*68-17444	NASA/GODDARD SPACE FLIGHT CENTER VARIATIONS OF THE LUNAR ORBITAL PARAMETERS OF THE APOLLO-CSM-MODULE	00-02-66	RELIABILITY ANALYSIS-DESIGN REVIEW		401
PRELIMINARY DESIGN AND REQUIREMENTS 204			*68-17251	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 7 (W FILE. #68-10.084)	00-12-67
*68-16853	BELLCOMM, INC. PROBABILITY OF EXCEEDING DESIGN WIND FOR SATURN V FREESTANDING ON THE PAD	28-06-66	RELIABILITY TEST AND EVALUATION		405
*68-17112	NASA/MSC-HOUSTON, TEXAS APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE DATA PROCESSING REQUIREMENTS (W FILE. #68-10.)	00-09-67	*68-17251	NASA/MSC-HOUSTON, TEXAS APOLLO 4 MISSION ANOMALY REPORT NO. 7 (W FILE. #68-10.084)	00-12-67
*68-17165	PHILCO CORP. / WDL DIV. RECOVERY OPERATIONS CONTROL ROOM (ROCR) STATUS MONITOR CONSOLE	08-12-67	HANDBOOKS OR MANUALS SUPPORT EQUIPMENT		503
*68-17180	PHILCO CORP. / WDL DIV. MCC-H/DATA RELAY SATELLITE SYSTEM INTERFACE DESIGN SYS-FINAL REPORT	22-12-67	*68-16506	PHILCO CORP. / WDL DIV. GLOBAL COMMUNICATIONS NETWORK	18-12-63
*68-17294	NASA/MSC-HOUSTON, TEXAS RECOVERY REQUIREMENTS-APOLLO 5 (204/LM-1) (W FILE. #68-10.089)	28-08-67	*68-17200	AVCO/ELECTRONICS DIV. SUPPORT MANUAL FOR DIGITAL COMMAND ASSEMBLY	00-00-00
*68-17302	NASA/MSC-HOUSTON, TEXAS APOLLO RECOVERY OPERATIONS MANUAL (W FILE. #68-10.089) APOLLO 6 (AS-502)	00-01-68	SUPPORT EQUIPMENT DESCRIPTION MANUALS		503-02
INTERFACE CONTROL (SYSTEMS) 207			*68-17294	NASA/MSC-HOUSTON, TEXAS RECOVERY REQUIREMENTS-APOLLO 5 (204/LM-1) (W FILE. #68-10.089)	28-08-67
*68-16987	TRW SYSTEMS/HOUSTON OPERATIONS THEORETICAL PREDICTIONS FOR THE USB-CSM BLOCK 2 VOICE CHANNELS AND THE LM VOICE AND TELEMETRY CHANNELS	13-10-67	*68-17302	NASA/MSC-HOUSTON, TEXAS APOLLO RECOVERY OPERATIONS MANUAL (W FILE. #68-10.089) APOLLO 6 (AS-502)	00-01-68
*68-17087	TRW SYSTEMS/HOUSTON OPERATIONS LGC/RTCC COMPATIBILITY VERIFICATION RESULTS USING THE LM-1 BURST 116 FLIGHT PROGRAM, TASK MSC/TRW A-97	27-12-67	PROGRAM PLAN		601
*68-17180	PHILCO CORP. / WDL DIV. MCC-H/DATA RELAY SATELLITE SYSTEM INTERFACE DESIGN SYS-FINAL REPORT	22-12-67	*68-16505	PHILCO CORP. / WDL DIV. IMCC PROGRAM PLAN	26-04-63
*68-17184	PHILCO CORP. / WDL DIV. CCATS INTERFACE DATA BOOK	15-06-66	TEST PLAN		603
			*68-16554	DALMO VICTOR, CO. ELECTROMAGNETIC INTERFERENCE TEST PLAN FOR APOLLO ANTENNA EQUIPMENT HIGH GAIN	00-08-67
			*68-16873	TRW SYSTEMS/HOUSTON OPERATIONS LM-1 GUIDANCE NAVIGATION AND CONTROL SYSTEM FLIGHT TEST ANALYSIS PLAN	20-10-67
			*68-17094	TRW SYSTEMS/HOUSTON OPERATIONS INDEPENDENT FLIGHT SOFTWARE VERIFICATION TEST PLAN OF THE SUNDISK PROGRAM FOR THE AS 205/101 MISSION	05-01-68
			*68-17167	PHILCO CORP. / WDL DIV. TEST PLAN FOR ENGINEERING ORDER 16940	27-12-67

INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support	INDIRECT SUPPORT EQUIPMENT (GROUND) - Continued		Space Flight, Ground Links, and Support
SUPPORT PLAN		606			
*68-16770	NASA/KENNEDY SPACE CENTER APOLLO S-V SPACE VEHICLE COUNTDOWN DEMONSTRATION TEST SUPPORT DIRECTIVE 40901 (LATEST REVISION RECEIVED)	15-09-67	*68-17163	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 DECEMBER 1967	15-01-68
*68-16771	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V FLIGHT READINESS TEST SUPPORT DIRECTIVE 40002 (LATEST REVISION RECEIVED)	22-09-67	*68-17164	PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON PROGRESS REPORT FOR 1 OCT THRU 31 DECEMBER	10-01-68
*68-16772	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V INTERFACE TESTS SUPPORT DIRECTIVE 48001 AND UP (LATEST REVISION RECEIVED)	07-09-67	*68-17166	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 30 NOVEMBER 1967	15-12-67
*68-16773	NASA/KENNEDY SPACE CENTER APOLLO-SATURN V APOLLO SOFTWARE INTEGRATION TEST SUPPORT DIRECTIVE 48909 (LATEST REVISION RECEIVED)	07-07-67	*68-17169	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 OCT 1967	15-11-67
*68-16660	TRW SYSTEMS/HOUSTON OPERATIONS OPERATIONAL SUPPORT PLAN FOR THE REAL-TIME AUXILIARY COMPUTING FACILITY (W FILE W67-10409)	31-01-67	*68-17173	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 AUGUST 1967	12-09-67
*68-16861	TRW SYSTEMS/HOUSTON OPERATIONS OPERATIONAL SUPPORT PLAN FOR REAL TIME AUXILIARY COMPUTING FACILITY LV-501/CSM-017/FLIGHT ANNEX (W FILE W-67-10451)	07-07-67	.....	
*68-16873	TRW SYSTEMS/HOUSTON OPERATIONS LM-1 GUIDANCE NAVIGATION AND CONTROL SYSTEM FLIGHT TEST ANALYSIS PLAN	20-10-67	*68-16520	PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 APRIL THRU 30 JUNE 1967	10-07-67
*68-17110	NASA/MSC-HOUSTON TEXAS MSC INTERNAL TECHNICAL NOTE DATA PROCESSING PLAN FOR APOLLO 5 LM-1 (W FILE W68-10410)	21-12-67	*68-17149	TRW SYSTEMS/HOUSTON OPERATIONS PROJECT TECHNICAL REPORT-TASK E 45A SECOND QUARTERLY PROGRESS REPORT VOL. 1	16-11-67
*68-17114	NASA/MSC-HOUSTON TEXAS OPERATIONAL SUPPORT PLAN FOR THE REAL-TIME AUXILIARY COMPUTING FACILITY-APOLLO 5 FLIGHT ANNEX (W FILE W68-10416)	09-01-68	*68-17160	PHILCO CORP. / WDL DIV. MISSION CONTROL CENTER-HOUSTON PROGRESS REPORT FOR 1 JULY THRU 30 SEPT 1967	10-10-67
*68-17295	PHILCO CORP. / WDL DIV. FLIGHT CONTROL DATA LOADING GUIDE	26-01-68	.....	
TRAINING PLAN		607	*68-16309	TRW SYSTEMS BIMONTHLY PROGRESS REPORT APOLLO SPACECRAFT SYSTEM ANALYSIS PROGRAM	21-04-65
*68-16507	PHILCO CORP. / WDL DIV. MCC-HOUSTON SCATS OPERATIONS DOCUMENT CONFIGURATION AND INITIALIZATION/VOLUME 1A	27-07-65	*68-16310	TRW SYSTEMS BIMONTHLY PROGRESS REPORT APOLLO SPACECRAFT SYSTEM ANALYSIS PROGRAM	21-06-65
*68-16510	PHILCO CORP. / WDL DIV. MCC-HOUSTON SCATS OPERATIONAL CONFIGURATION DOCUMENT-VOLUME 3-APOLLO	15-12-65	*68-16311	TRW SYSTEMS BIMONTHLY PROGRESS REPORT MISSION TRAJECTORY CONTROL PROGRAM PROJECT APOLLO (PHASE 2)	21-10-64
*68-16511	PHILCO CORP. / WDL DIV. MCC-HOUSTON SCATS OPERATIONS DOCUMENT CONFIGURATION AND INITIALIZATION/VOLUME 1	29-07-65	*68-16312	TRW SYSTEMS BIMONTHLY PROGRESS REPORT MISSION TRAJECTORY CONTROL PROGRAM PROJECT APOLLO (PHASES 2 AND 2A)	21-12-64
MONTHLY PROGRESS REPORT		701	.....	
*68-16516	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 31 JULY 1967	15-08-67	*68-17179	PHILCO CORP. / WDL DIV. MCC-H VOICE SWITCHING SYSTEM STUDY-FINAL REPORT	22-09-67
*68-16517	PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 THRU 31 AUGUST 1967	10-09-67	*68-17180	PHILCO CORP. / WDL DIV. MCC-H/DATA RELAY SATELLITE SYSTEM INTERFACE DESIGN SYS-FINAL REPORT	22-12-67
*68-16519	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT PROGRESS REPORT FOR 1 THRU 30 JUNE 1967	15-07-67	*68-17332	GENERAL ELECTRIC/MISSILE AND SPACE DIVISION FINAL REPORT-THERMAL CONTROL SYSTEM	10-11-67
*68-16521	PHILCO CORP. / WDL DIV. MCC-HOUSTON PROGRESS REPORT FOR 1 THRU 31 JULY 1967	10-08-67	.....	
*68-16791	TRW SYSTEMS/HOUSTON OPERATIONS MONTHLY STATUS RPT FOR PERF AND I/F SPECS AND I/F CONTROL DOC/COMP SYS CONTROL DOC VALIDATION FOR SC/GHD I/F TASK E-58	01-10-67	*68-17098	TRW SYSTEMS/HOUSTON OPERATIONS ANALYSIS OF PLANETARY HYPERBOLIC DEPARTURE TECHNIQUES (STAR FILE)	22-12-67
*68-17161	PHILCO CORP. / WDL DIV. APOLLO PROCESS CONTROL UNIT-PROGRESS REPORT FOR 1 THRU 30 SEPTEMBER 1967	13-10-67	*68-17159	TRW SYSTEMS/HOUSTON OPERATIONS NUMERICAL ANALYSIS OF THE SECOND-VARIATION METHOD TASK MSC/TRW AA-8	27-10-67

SYSTEMS INDEX

TYPICAL CITATION



SYSTEM: INDIRECT SUPPORT EQUIPMENT (GROUND)	SUBSYSTEM: Fluid/Air Supply Equipment	MAJOR EQUIPMENT GROUP:	SYSTEM:	SUBSYSTEM:	MAJOR EQUIPMENT GROUP:
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CFE SUPPORT EQUIPMENT DESIGN SPECIFICATION		102-03-002			
*67-14724	GRUMMAN AIRCRAFT ENGINEERING CORP. CART, STORAGE AND TRANSFER, SUBSTITUTE PROPELLANTS, DESIGN CONTROL SPECIFICATION FOR		23-11-64		
*68-16293	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION WATER GLYCOL TRIM CONTROL UNIT LSC 430-54703		03-08-67		
*68-16296	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION HELIUM BOOSTER UNIT LSC 430-94022		19-07-67		
*68-16297	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPEC. CART, STORAGE TRANSFER, SUBSTITUTE PROPELLANT LSC 430-6440		19-07-67		
*68-16299	GRUMMAN AIRCRAFT ENGINEERING CORP. END ITEM CALIBRATION SPECIFICATION GROUND COOLING CART LSC 430-91011		19-07-67		
.....		311			
END ITEM TEST PLAN					
*68-16998	NASA/MSC-HOUSTON, TEXAS INVESTIGATION BY RADIOLOGICAL METHODS TRANSPORT KWH THRU HZ RECIRCULATION LOOP OF APOLLO C/S FUEL CELL (W FILE: W67-10889)		01-12-67		

REPORT TYPES

This is a complete listing of report types and their associated code numbers. Documents are grouped in this Index by report types (e.g., under Engineering Specifications, GFE Performance Specifications are coded 101-01). One of these code numbers appears in the print-out each time one of a new report type grouping is introduced.

CLASS 1 — Engineering Specifications (100 Series)

GFE PERFORMANCE AND INTERFACE SPECIFICATIONS	101
GFE PERFORMANCE SPECIFICATIONS	101-01
GFE INTERFACE SPECIFICATIONS	101-02
CFE SPECIFICATIONS GENERAL	102
CFE SYSTEMS SPECIFICATIONS	102-01
CFE SPACECRAFT SYSTEMS SPECIFICATIONS	102-01-001
CFE SUPPORT SYSTEMS SPECIFICATIONS	102-01-002
CFE INTERFACE SPECIFICATIONS	102-02
CFE DESIGN SPECIFICATIONS	102-03
CFE SPACECRAFT EQUIPMENT SPECIFICATIONS	102-03-001
CFE SUPPORT EQUIPMENT SPECIFICATIONS	102-03-002
CALIBRATION/METROLOGY SPECIFICATIONS	102-03-003
LAUNCH SYSTEMS SPECIFICATIONS	103
MATERIALS AND PARTS SPECIFICATIONS	104
MATERIALS SPECIFICATIONS	104-01
PARTS SPECIFICATIONS	104-02

CLASS II — Engineering Reports and Data (200 Series)

MODELING AND SIMULATION	201
STRUCTURAL DYNAMICS/THERMAL TEST CRAFT	201-01
TOTAL CRAFT AND MISSION ANALYSES	202-01
COMPUTER SOFTWARE AND MECHANIZATION	202-02
DETAILED DESIGN INFORMATION, TEST DATA AND REPORTS	203
DESIGN VERIFICATION, TEST DATA AND REPORTS	203-01
PRELIMINARY DESIGN AND REQUIREMENTS	204
DRAWINGS	205
DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION LISTS	206
INTERFACE CONTROL (SYSTEMS)	207
INTERFACE CONTROL (MANAGEMENT)	208
INTERFACE OPERATIONS, PROCEDURES	208-01
GSE PLANNING AND REQUIREMENTS LIST	209
SPARES DOCUMENTATION	210
FLIGHT CREW PERFORMANCE CRITERIA	211
FLIGHT TEST REPORT (X+5 DAY)	212
FLIGHT TEST REPORT (X+30 DAY)	213
MISSION BILEVEL/NUMERICAL DATA	214

CLASS III — Quality Reports and Data (300 Series)

QUALIFICATION STATUS LIST	301
QUALIFICATION TEST REPORTS AND DATA	302
ACCEPTANCE TEST DATA SHEETS	303
SPECIAL SAMPLING PLANS, APPLICATION OF SAMPLING	304

CLASS III — Quality Reports and Data (300 Series) - Continued

RESULTS OF SPECIAL MEASURING AND TEST EQUIPMENT EVALUATION	305
MONTHLY QUALITY STATUS REPORT	306
QUARTERLY SUMMARY OF QUALITY CONTROL PERFORMANCE AUDITS . . .	307
TEST AND INSPECTION	308
PROCESS CONTROL PROCEDURES	309
STORAGE PROCEDURES FOR END ITEM	310
END ITEM TEST PLAN	311
END ITEM TEST AND INSPECTION PROCEDURES	312
END ITEM NARRATIVE REPORT	313
ACCEPTANCE DATA PACKAGE	314
QUARTERLY QUALITY STATUS REPORT	315
CERTIFICATION TEST NETWORKS AND REQUIREMENTS	316

CLASS IV — Reliability Reports and Data (400 Series)

RELIABILITY ANALYSIS, DESIGN REVIEW	401
FAILURE DATA	402
MONTHLY FAILURE SUMMARY	403
QUARTERLY RELIABILITY STATUS REPORTS	404
RELIABILITY TEST AND EVALUATION	405
RELIABILITY/QA PROGRESS REPORTS	406

CLASS V — Support Procedures, Manuals, and Handbooks (500 Series)

HANDBOOKS AND MANUALS — SPACECRAFT	501
SC FAMILIARIZATION MANUALS	501-01
SC DESCRIPTION MANUALS	501-02
HANDBOOKS, FLIGHT CREW OPERATIONS	502
HANDBOOKS OR MANUALS, SUPPORT EQUIPMENT	503
SUPPORT EQUIPMENT FAMILIARIZATION HANDBOOKS	503-01
SUPPORT EQUIPMENT DESCRIPTION MANUALS	503-02
TOTAL CRAFT CHECKOUT/REPAIR PROCEDURES	504
SYSTEM CHECKOUT/VALIDATION PROCEDURES (will appear on a different (OCP) print-out)	505
GROUND CREW OPERATIONS PROCEDURES	506
TRANSPORTATION AND HANDLING PROCEDURES	507
TRAINING PROCEDURES AND HANDBOOKS	508
TRAINER MAINTENANCE AND REPAIR PROCEDURES	509
LAUNCH VEHICLE MANUALS	510

CLASS VI — Program Planning Documents (600 Series)

PROGRAM PLAN	601
FACILITIES PLAN	602
TEST PLAN	603
MANUFACTURING PLAN	604
MAINTENANCE PLAN	605
SUPPORT PLAN	606
TRAINING PLAN	607

CLASS VI — Program Planning Documents (600 Series) - Continued

RELIABILITY PLAN	608
QUALITY PLAN	609
CONFIGURATION MANAGEMENT PLAN	610
DOCUMENTATION PLAN	610-01

CLASS VII — Progress Reports and Data (700 Series)

MONTHLY PROGRESS REPORT	701
QUARTERLY PROGRESS REPORT	701-01
BIMONTHLY PROGRESS REPORT	702-02
STUDIES — SUMMARY REPORTS	702
MATERIALS REPORT	703
FINAL REPORT	704
PERT BIWEEKLY REPORTS	705
PERT ACTIVITIES DESCRIPTION DOCUMENT	706
PROGRAM PROGRESS REPORT	707
FINANCIAL MANAGEMENT REPORT	708
DIRECT MANPOWER REPORT	709
SYSTEM STATUS REPORT	710
WEIGHT AND BALANCE STATUS REPORT	711

CLASS VIII — Subcontractor Reports and Data (800 Series)

SUBCONTRACTS (COPY OF CONTRACT)	801
VENDOR REQUIREMENTS	801-01

CLASS VIII — Subcontractor Reports and Data (800 Series) - Continued

SUBCONTRACTOR DOCUMENTATION 802

REPORT ON NASA SUBCONTRACTS 803

CLASS IX — Post/Lateral, Modified Apollo Projects (900 Series)

STUDY PROJECTS APOLLO MODIFICATIONS 901

INDEX

	Page	
	Jan. 68 Issue	Current Issue
A		
AC Power, CSM Electrical System	55	17
Acceptance Checkout Equipment	203	70
Accessories and Provisions Crew, (CSM and General)	97	NE
ALSEP, see: Apollo Lunar Surface Equipment Package	236	NE
ALSEP Remote Station	236	NE
Antenna Equipment — CSM Telecommunications	99	33
Apollo Applications Programs	221	79
Apollo Extension Systems	221	78
Apollo Lunar Surface Equipment Package	236	NE
Apollo Payload (Total)	214	75
Apollo Payload (Total) — Modifications	221	78
Apollo Payload (Total) — Applications Programs		79
Ascent/Descent Stage Umbilical	120	NE
Attitude Control, Propellant Slosh, LEM RCS	142	NE
Attitude Display Gyro/Accelerometer, Stab. and Control (CSM)	82	26
Attitude Gyro Assemblies; Stab. and Control System, (CSM)	81	26

	Page	
	Jan. 68 Issue	Current Issue
Attitude Indicator, (CSM)	NE	NE
Attitude Indicator, (LEM)	134	49
Auto. and Acceptance Checkout Equipment-Support Hdware	202	70
Automatic Checkout Equipment	202	70
Autopilot, Digital, Stabilization and Control, (LEM)	136	49
Axial Probe and Drogue — LEM/CSM	103	NE
B		
Bacteria Filter, Water, (LEM)	146	55
Ballast System, Descent Stage	122	41
Batteries, (CSM)	NE	17
Battery Power Supply	NE	17
Bioinstrumentation — Crew and Space Suits, (CSM and General)	89	29
C		
Cabin Window, (LEM)	114	NE
Chute Drogue	46	NE
Command and Service Module, (general reports); see (CSM-Apollo Craft)	6	6
Communications and Instrumentation GSE, (CSM) . . .	177	67
Communications and Instrumentation GSE, (LEM) . . .	197	70
Communications and Instrumentation, (LEM)	151	58

	Page	
	Jan. 68 Issue	Current Issue
Computer Complexes — Ground; Ground Links and Support	230	80
Computer Subsystem, CSM G and N	76	24
Computer Subsystem, LEM G and N	130	45
Constant Wear Communications Assembly-Crew, (CSM)	86	28
Controls and Displays — Cabin, (CSM)	102	34
Controls and Displays — Cabin, (LEM)	157	62
Consumables, (Food, Water, Hygiene Aids) — Crew, (CSM and General)	96	NE
Couches and Restraint Equipment; Crew; (CSM)	85	28
Crew GSE, (CSM)	176	67
Crew GSE, (LEM)	197	NE
Crew Survival Equipment		31
Crew Systems; (CSM and General Design/Development)	83	27
Crew Systems, GSE, (CSM)	176	67
Crew Systems, GSE, (LEM)	197	NE
Crew Systems, (LEM)	146	55
CSM (Apollo Craft)	6	6
Cryogenic Gas Storage, CSM Electrical Power System	54	17
D		
Data Equipment, CSM Telecommunications	99	32
Descent/Ascent Abort-Backup Guidance	134	48

	Page	
	Jan. 68 Issue	Current Issue
DFE — Telemetry System	158	63
Digital Autopilot, Stabilization and Control, (LEM)	136	49
Digital Computer, Spaceborne CSM G and N	76	24
Digital Computer, Spaceborne LEM G and N	130	45
Direct Ground Support Equipment; see: GSE entries	159	64
Displays and Controls — Cabin (CSM)	102	34
Displays and Controls — Cabin (LEM)	157	62
Displays, CSM G and N System	74	24
Displays, LEM G and N	129	45
Docking and Landing GSE, (LEM)	186	68
Docking System, (CSM and General)	103	34
Docking Tunnel and Hatch	114	NE
Dynamics (CSM)	30	11
Dynamics (LEM)	119	39
E		
Earth Landing GSE, (CSM)	167	NE
Earth Landing System, (CSM)	47	14
Egress Trainer, Apollo S/C	111	NE
Electrical Power GSE, (CSM)	170	66
Electrical Power GSE, (LEM)	188	69
Electrical Power System, (CSM)	53	17

	Page	
	Jan. 68 Issue	Current Issue
Electrical Power System, (LEM)	147	57
Emergency Detection System, (CSM)	46	14
Engines — CSM Service Propulsion System	60	20
Engines — LEM Propulsion System	141	52
Entry Monitor System	230	NE
Environmental Control GSE, (CSM)	167	65
Environmental Control System GSE, (LEM)	186	68
Environmental Control System, (CSM)	47	15
Environmental Control System, (LEM)	144	54
Ergometer	92	NE
Escape System, Launch, (CSM)	42	14
Experiments, Scientific (Craft Development Flights)	159	63
Experiments, Scientific (Design Mission Flights)	159	63
External Tracking Light LEM: EPS	148	NE
Extravehicular Mobility Unit	147	28
F		
FDAI; see: Flight Director Attitude Indicator	NE	NE
Flight Director Attitude Indicator; Stab. and Control System (CSM)	79	NE
Flight Qualification Instrumentation; SC, (CSM)	102	34

	Page	
	Jan. 68 Issue	Current Issue
Flight Tape Recorder	103	NE
Fluid/Air Supply Equipment- Ground Facilites	234	88
Foward Access Hatch	114	NE
Fuel Cells, (CSM)	54	17
Fuel Cells, (LEM)	150	NE
G		
G and N; see: Guidance and Navigation	62	21
Gauging System, Propellant Quantity, (LEM)	137	NE
General GSE, (CSM)	159	64
General GSE, (LEM)	180	67
Gimbal Position/Attitude Indicator; Stab. and Control System (CSM)	NE	NE
Ground Test Facilities and Equipment	159	64
Guidance and Navigation GSE, (CSM)	174	66
Guidance and Navigation GSE, (LEM)	195	69
Guidance and Navigation System, (CSM)	62	21
Guidance and Navigation, (LEM)	124	43
H		
Heat Shield, (CSM)	26	9
Hose/Tether Line; Space Suits — Crew, (CSM and general)	88	29

	Page	
	Jan. 68 Issue	Current Issue
I		
Indirect Support Equipment (Ground)	225	80
Individual Parts, Design and Test	211	72
Inertial Measurement Units (IMU's), CSM G and N	72	23
Inertial Measurement Units (IMU's), LEM G and N	129	44
Inertial Rate Integrating Gyros (IRIG's) CSM G and N	72	23
Inertial Rate Integrating Gyros (IRIG's) LEM G and N	129	44
Inertial Subsystem — CSM Guidance and Navigation	70	23
Inertial Subsystem — LEM Guidance and Navigation	128	44
Inflight Checkout System (CSM)	103	NE
Inflight Test GSE, (CSM)	176	67
Inflight GSE, (LEM)	197	NE
Instrumentation (General airborne)	158	63
Instrumentation (General airborne) R and D types	158	63
Instrumentation (General airborne) Scientific	159	63
Instrumentation System; SC, (CSM)	100	33
Instrumentation SC, (LEM)	155	60

	Page	
	Jan. 68 Issue	Current Issue
Intercommunications Equipment, CSM Telecommunications	99	33
Integrated Controls and Displays — Cabin, (CSM)	102	34
Integrated Controls and Displays — Cabin, (LEM)	157	62
IRIG's; see: Inertial Rate Integrating Gyros	72	23
L		
Landing Gear, (LEM)	119	38
Landing Radar, (LEM)	103	46
Launch Escape GSE, (CSM)	166	NE
Launch Escape GSE, (LEM)	186	NE
Launch Escape System, (CSM)	42	14
Launch Escape System-Propulsion	46	NE
Launch GSE, (CSM)	180	67
Launch GSE, (LEM)	200	70
Launch Support Systems	NE	74
Launch Vehicles	31	12
Launch Vehicle GSE	200	NE
Launch Vehicle GSE — Little Joe II	201	NE
Launch Vehicles GSE — Saturn	NE	NE
Little Joe II-Launch Vehicle	31	NE
LEM/CM, Communications		59

	Page	
	Jan. 68 Issue	Current Issue
LEM Craft	104	35
LEM/Crewmember Communications (LEM)	155	60
LEM/Earth Communications, (LEM)	153	59
Lunar Surface Equipment	236	NE
M		
Manned Space Flight Network; see: MSFN	230	80
Manual Earth Entry, Displays/Monitors	102	NE
Materials	NE	72
Materials and Components (General)	207	72
Materials and Components — Packaging	211	72
Midcourse Maneuvers — Manual Control	102	NE
Mission Essential GSE (found as subclass in specific GSE entries)	164	64
Mission Control Programers, (CSM); see: SC Control Programers, (CSM)	83	27
Mission Programers, (LEM)	136	49
Modules and Subassemblies, (General)	210	72
Monitor, Combustion Stability	101	NE
MSFN; see: Manned Space Flight Network	230	80
N		
Nuclear Particle Detection System (CSM)	101	34

	Page	
	Jan. 68 Issue	Current Issue
O		
Onboard Checkout System; SC, (CSM)	103	NE
Operational Instrumentation; SC, (CSM)	101	33
Optical Rendezvous System (LEM)	124	45
Optical Subsystems, CSM G and N	74	24
Optical Subsystems, LEM G and N	129	45
Oxygen Bacteria Filter-LEM Cabin	146	55
P		
Packaging (of Materials and Components) Design and Test	211	72
Parachute Release System, Drogue	46	NE
Parts (of Materials and Components)	NE	72
Personal Equipment — Crew; (CSM)	85	28
Personal Radiation Dosimeter	NE	30
PGNCS — LEM (Primary Guidance, Navigation and Control System, (LEM); see: 1. Guidance and Navigation, (LEM) 2. Stabilization and Control, (LEM)	124	43
Physiological Monitoring Instruments	NE	30
Pitch Electronic Control; Stab. and Control System, (CSM)	81	27
Portable Life Support System		30
Prep Areas, Ground Facilities and Equipment	234	80
Propellant Management System	58	20

	Page	
	Jan. 68 Issue	Current Issue
Propulsion — (Launch Escape System)	46	NE
Propulsion System, (LEM)	137	49
Pyrotechnic Devices	212	74
R		
Radars — Ground; Ground Links and Support	230	83
Radars (Spaceborne) — LEM G and N	131	46
Rate Gyro Assemblies; Stab. and Control System, (CSM)	81	NE
RCS Propellant Gauging System (CSM)	55	NE
Reaction Control GSE, (CSM)	171	NE
Reaction Control GSE, (LEM)	190	69
Reaction Control System, (CSM)	55	18
Reaction Control System, (LEM)	142	53
Rendezvous Radar (LEM)	131	46
RF Equipment, CSM Telecommunications	98	32
Roll Electronic Control; Stab. and Control System, (CSM)	81	27
Rotation and Translation Controls; Stab. and Control System, (CSM)	82	NE
S		
Saturn Launch Vehicle	38	12
Saturn IV (Third Stage)	41	14
SC Control Programers, (CSM)	82	27

	Page	
	Jan. 68 Issue	Current Issue
Sensing, Probe, Lunar, Surface	121	42
Scientific Instrumentation, SC, (CSM)	NE	63
Service Propellant Gauging System	58	NE
Service Propulsion GSE, (CSM)	172	66
Service Propulsion GSE, (LEM)	191	69
Service Propulsion System, (CSM)	58	19
SLA; see: Spacecraft LEM Adapter	25	9
SM, Reaction Control System	NE	18
Solar Proton Warning System	47	NE
Spacecraft LEM Adapter (CSM)	25	9
Spaceflight Ground Links and Supports; see also: MSFN	230	82
Space suits and other garments — Crew, (CSM and general)	86	28
Space Suit Bioinstrumentation	NE	29
Space Suit Umbilical, Hose/Tether Line	NE	29
Special Instrumentation; SC, (CSM)	101	34
Stab. and Control System, CSM; see: Stabilization and Control System (CSM)	79	25
Stabilization and Control GSE, (CSM)	176	NE
Stabilization and Control GSE, (LEM)	197	NE
Stabilization and Control System, (LEM)	134	47
Stabilization and Control System, (CSM)	79	25

	Page	
	Jan. 68 Issue	Current Issue
Star Tracker		24
Structures, (CSM)	21	8
Structures GSE, (CSM)	165	64
Structures GSE, (LEM)	185	68
Structures and Weights, (LEM)	114	37
Survival Equipment — Crew (CSM and general)	95	31
T		
Tanks — CSM Reaction Control System	57	19
Tanks — CSM Service Propulsion System	60	20
Tanks — LEM Propulsion System	140	50
Tanks — LEM Reaction Control System	144	54
Tanks — Propellant Slosh Effects, (LEM)	141	NE
Telecommunications System, (CSM)	97	31
Television Subsystem, (CSM)	97	31
Three Axes Electronic Control; Stab. and Control System, (CSM)	81	27
Timing Equipment, Control	82	27
Translation and Rotation Controls; Stab. and Control System, (CSM)	NE	NE
Trim Gimbal Control	134	NE
TV Camera, LEM (LM)	151	NE

	Page	
	Jan. 68 Issue	Current Issue
U		
Umbilicals, Space Suits — Crew, (SCM and general)	88	29
Urine Disposal Assembly	146	30
V		
Velocity Change Indicator; Stab. and Control System, (CSM)	82	NE
W		
Waste Management System — Crew, (CSM and general)	93	30
Water Management Section, (LEM)	144	56
Weights and Structures, (LEM)	114	30
Weights, (CSM)	28	10
Y		
Yaw Electronic Control; Stab. and Control System, (CSM)	81	27