



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST DESCRIPTION: (Continued)

Camera in each of three valve positions. The setting is chosen which gives minimum closing time with the least amount of closing shock. The third portion of this test verifies the capability of the TV Camera Elevating and Lowering Mechanism to lower the camera within the specified time in an emergency situation. Proper status signals and control capabilities are verified in the control center.



MASTER ACTIVITIES PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: PORTAL - REVOLVING BLAST DOOR

TEST NUMBER: D5

OBJECTIVES:

The purpose of this test is to verify the proper operation of the Remote Release Latch and the Anti Back-Up feature of the Portal-Revolving Blast Door.

ITEMS TO BE TESTED:

Remote release latch
Anti back-up latch
Manual release latch

SUPPORT EQUIPMENT:

None

PREREQUISITES:

The following facility system must be tested prior to the start of this test:

Utility air system
Electrical system

TEST DESCRIPTION:

The proper operation of the Revolving Blast Door is verified with the latches in various positions. The capability of controlling the latch from the portal surveillance TV Control Panel is tested. Proper lamp indications are noted.



MASTER ACTIVITIES PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: GASEOUS NITROGEN, 2800 psig NITROGEN STORAGE AND PIPING

TEST NUMBER: (a)

OBJECTIVE:

The purpose of this test is to verify that the 2800 psig Nitrogen System will not leak at operating pressures, and that the system is cleaned by blowdown.

ITEMS TO BE TESTED:

Nitrogen tanks

Service lines

Instrument lines

Control valves, flow control valves, pressure relief valves

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid)

Pressure gauge

Special pressurizing valve

Special line end valves

Line adapters

Test strainer cloths and screens

Test safety valve

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the normal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: GASEOUS NITROGEN, 1600 psig NITROGEN PIPING

TEST NUMBER: (b)

OBJECTIVE:

The purpose of this test is to verify that the 1600 psig nitrogen system will not leak at operating pressures and that the system complies with the cleanliness standards.

ITEMS TO BE TESTED:

Nitrogen tanks and vessels

Instrument lines

Service lines

Control valves

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid)

Test safety valve

Pressure gauge

Special pressurizing valve and bleed valve

Special line end valve

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: GASEOUS NITROGEN 750 and 150 psig NITROGEN PIPING

TEST NUMBER: (c)

OBJECTIVE:

The purpose of this test is to verify that the gaseous nitrogen system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous Nitrogen (test fluid)

Line adapters

Test safety valve

Pressure gauge

Test strainer, cloth and screen

Special line and valves

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the normal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: GASEOUS OXYGEN, OXYGEN STORAGE AND PIPING

TEST NUMBER: (d)

OBJECTIVE:

The purpose of this test is to verify that the gaseous oxygen system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure and are clean.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid) Test strainer cloth and screen

Line adapters Special line and valves

Test safety/valve Sherlock leak detector

Pressure gauge

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: LIQUID OXYGEN, OXYGEN STORAGE AND PIPING

TEST NUMBER: (e)

OBJECTIVE:

The purpose of this test is to verify that the liquid oxygen system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid)

Test strainer, cloth and screen

Line adapters

Special line and valves

Test safety valve

Sherlock leak detector

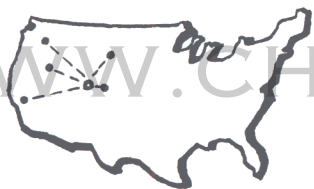
Pressure gauge

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: LIQUID NITROGEN, LIQUID OXYGEN SUBCOOLER, HELIUM COOLER AND
NITROGEN PIPING

TEST NUMBER: (f)

OBJECTIVE:

The purpose of this test is to verify that the liquid nitrogen system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid)

Pressure gauge

Line adapters

Test strainer, cloth and screen

Test safety valve

Special line and valves

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: HELIUM, 6,000 psig STORAGE AND PIPING

TEST NUMBER: (g)

OBJECTIVE:

The purpose of this test is to verify that the helium system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid) Test strainer, cloth and screen

Line adapters Special line and valves

Test safety valve Leak detector

Pressure gauge

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER ACTIVITIES PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: HELIUM, 3200 psig PIPING

TEST NUMBER: (h)

OBJECTIVE:

The purpose of this test is to verify that the helium system service lines and instrument lines will not leak at working pressure, nor burst at proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Gaseous nitrogen (test fluid)

Test strainer, cloth and screen

Line adapters

Special line and valves

Test safety valve

Leak detector

Pressure gauge

TEST DESCRIPTION:

The system strainers and filters are removed and the safety relief valves are sealed against test pressures. The nitrogen gas supply is connected to the line. Test valves and gauges are installed and the system is isolated. The system is proof pressure tested at 125% of the nominal working pressure. The pressure is bled down to working pressure and piping and valve leak tests are performed.

The strainers are attached at the end of the instrument lines. The lines are blown down and the test strainers are examined for contamination. Evidence of hydrocarbon contamination or particle size exceeding 150 microns will be cause for recleaning and/or retesting.

The nitrogen gas supply shall be disconnected. The test fittings shall be removed and the system secured.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: OXYGEN AND NITROGEN VENT SYSTEMS

TEST NUMBER: (i)

OBJECTIVE:

The purpose of this test is to blow down the system and verify cleanliness.

ITEMS TO BE TESTED:

Tanks and vessels

Service and vent lines

SUPPORT EQUIPMENT:

Strainer elements

Control valves

Test safety

Sherlock leak detector

Line adapters

Gaseous nitrogen (test fluid)

TEST DESCRIPTION:

The test fittings are installed and the system under test is isolated. A blowdown test shall be performed. Evidence of hydrocarbon contamination shall be cause to repeat test until standards are met. Test fittings are removed and the system is secured.



MASTER
ACTIVITIES
PLAN

Site Manufacturing
MARTIN
DENVER

TEST SUMMARY

TEST TITLE: NITROGEN AND HELIUM VENT SYSTEMS

TEST NUMBER: (j)

OBJECTIVE:

The purpose of this test is to blowdown the system and verify cleanliness.

ITEMS TO BE TESTED:

Tanks and vessels

Service and vent lines

SUPPORT EQUIPMENT:

Strainer elements

Control valves

Test safety valve

Gaseous nitrogen (test fluid)

Line adapters

TEST DESCRIPTION:

Test fittings are installed and the system under test is isolated. A blow-down test is performed. Evidence of hydrocarbon contamination shall be cause to repeat test until standards are met. Test fittings are removed and the system is secured.

Safety valves sealed against test pressured in tests "a" through "k" shall be installed.



MASTER
ACTIVITIES
PLAN

Site Manufacturing



TEST SUMMARY

TEST TITLE: HELIUM, 600 psig and 3200 psig STORAGE AND PIPING

TEST NUMBER: (k)

OBJECTIVE:

The purpose of this test is to verify that the Helium System shall not leak under working pressure, nor burst under proof pressure.

ITEMS TO BE TESTED:

Tanks and vessels
Service lines
Instrument lines

SUPPORT EQUIPMENT:

Vacuum pump	Pressure gauges
Special valves	Leak detector
Line adapters	Helium (test fluid)
Control valves	

TEST DESCRIPTION:

The test fittings are installed and the system isolated.
The entire Helium System shall be evacuated to a pressure of one psig. When the vacuum becomes stabilized at the specified level, the special valve shall be closed and the system pressurized with helium to 3000 psig in increments of 750 psig. The system shall be checked for leaks of each increment. At 3000 psig the piping system is isolated by valve closure. The pressurization of helium tanks is continued to 6000 psig. Tank and valve leakage shall be checked at each increment. Test fittings shall be removed and the system secured for standby.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: COLD AND FLUSH TEST, LIQUID OXYGEN TANK AND PIPING (STAGE II)

TEST NUMBER: (1)

OBJECTIVE:

The purpose of this test is to verify that the Stage II liquid oxygen service lines and instrument lines will not leak, and that distortion or interferences due to thermal contractions are at a minimum.

ITEMS TO BE TESTED:

Liquid oxygen storage tank and filters
Service lines
Instrument lines

SUPPORT EQUIPMENT:

Liquid nitrogen (test fluid)
Gaseous nitrogen (test fluid)
Special pressurizing valve
Line adapters
Test safety valves
Pressure gauges
Sherlock leak detector
Piping from Stage II interface flange to surface discharge

TEST DESCRIPTION:

Test fittings are installed, system filter elements removed and the surface discharge pipe connected.

The LOX tank shall be filled with 8000 gallons of liquid nitrogen. The tank is pressurized to 1000 psig with nitrogen gas. Pressure shall be applied slowly and only enough to cool the lines. When the lines have been cooled, the system shall be pressurized to 85 psig.

All flanged connections shall be inspected for leakage, and piping and associated components inspected for undue distortions or interferences caused by thermal contractions. All valves shall be stroked to determine if they are functioning properly.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: COLD AND FLUSH TEST, LIQUID OXYGEN TANK AND PIPING (STAGE I)

TEST NUMBER: (m)

OBJECTIVE:

The purpose of this test is to verify that the Stage I liquid oxygen service lines and instrument lines will not leak and that distortion or interferences caused by thermal contractions are at a minimum.

ITEMS TO BE TESTED:

LOX storage tank, catch pots and filters

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Liquid nitrogen (test fluid)

Gaseous nitrogen (test fluid)

Special pressurizing valves

Line adapters

Test safety valves

Pressure gauges

Sherlock leak detector

Stage I LOX interface to surface discharge pipe

TEST DESCRIPTION:

Test fittings shall be installed, system filter elements removed and the surface discharge pipe connected.

The LOX tank shall be filled with 12,000 gallons of liquid nitrogen. The tank is pressurized to 1000 psig with nitrogen gas. Pressure shall be applied slowly and only enough to cool the lines. When the lines have been cooled, the system shall be pressurized to 85 psig.

All flanged connections shall be inspected for leakage. Piping and associated components shall be inspected for undue distortions or interferences caused by thermal contractions. All valves shall be stroked to determine if they are functioning properly.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST DESCRIPTION: (Continued)

During the system flush test the tank pressure shall be maintained at 50 psig. The test valve is opened and 5000 ± 500 gallons of liquid nitrogen is allowed to flow through the discharge-to-surface piping to ground level. A sample of the effluent shall be analyzed for contamination. After completion of flushing, the system shall be allowed to warm up and vented to atmosphere.

The system filter elements shall be reinstalled. All special adapters, test gauges and other test apparatus shall be removed and the system secured for standby.

WWW.CHROMEHOOVES.NET

WWW.CHROMEHOOVES.NET



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: COLD AND FLUSH TESTS, LIQUID OXYGEN RETURN PIPING

TEST NUMBER: (n)

OBJECTIVE:

The purpose of this test is to verify that the liquid oxygen return piping will not leak and that distortion or interferences caused by thermal contractions are at a minimum.

ITEMS TO BE TESTED:

LOX tank, catch pots and filters

Service lines

Instrument lines

Liquid oxygen unloading pump

SUPPORT EQUIPMENT:

Liquid nitrogen (test fluid)

Test safety valves

Gaseous nitrogen (test fluid)

Pressure gauges

Special pressurizing valves

Sherlock leak detector

Line adapters

TEST DESCRIPTION:

Test fittings shall be installed, system filter elements removed and the surface discharge pipe connected.

The tank shall be filled to the level of 8000 gallons of liquid nitrogen.

The tank shall be pressurized to 1000 psig with nitrogen gas. Pressure shall be applied slowly and only in quantities sufficient to cool down the lines.

Prior to cool down the liquid oxygen unloading pump shall have been checked for the proper lubricant and for proper rotation.

The liquid oxygen storage tank shall be pressurized to 15 psig and the unloading pump shall be started and run for five minutes discharging liquid nitrogen through the discharge-to-surface piping system to ground level.

During flushing a sample of the effluent shall be taken for laboratory analysis. Piping and associated components shall be inspected for leaks and undue distortions. After completion of flushing, the system shall be allowed to warm up and vent to atmosphere.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST DESCRIPTION: (Continued)

System filter elements shall be reinstalled. All special adapters, test gauges and other test apparatus shall be removed and the system secured for standby.

WWW.CHROMEHOOVES.NET

WWW.CHROMEHOOVES.NET



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

TEST SUMMARY

TEST TITLE: COLD AND FLUSH TEST, LIQUID NITROGEN SYSTEM

TEST NUMBER: (o)

OBJECTIVE:

The purpose of this test is to verify that the liquid oxygen return piping will not leak and that the distortion or interferences caused by thermal contractions are at a minimum.

ITEMS TO BE TESTED:

Liquid oxygen subcooler and helium cooler

Service lines

Instrument lines

SUPPORT EQUIPMENT:

Liquid Nitrogen (test fluid)

Special pressurizing valves

Line adapters

Test safety valves

Pressure gauges

TEST DESCRIPTION:

Test fittings shall be installed. The liquid oxygen subcooler and the helium cooler shall be filled with liquid nitrogen. The tank shall be filled slowly so excessive pressures will not occur in the tank due to gasification of the liquid nitrogen. The system shall be inspected for undue distortions or interferences caused by thermal contractions. After completion of pressure test allow the system to warm up and vent to atmosphere. Remove all special test apparatus and secure the system for standby.

WWW.CHROMEHOOVES.NET



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

1.3.0 ACCEPTANCE AND TURNOVER PLAN FOR REAL PROPERTY/REAL PROPERTY
INSTALLED EQUIPMENT (RP/RPIE)

GENERAL: The Martin Company will accept custody, operation, and maintenance (less accountability) of RP/RPIE, following satisfactory completion of construction and TAT acceptance, for the completion of Weapon System activation. Conditions of acceptance of RP/RPIE custody, operation, and maintenance, by The Martin Company, are defined in this section. Further detailed actions and responsibilities are denoted in the Action and Responsibilities Section of Titan Acceptance Plan I, 15 April 1961.

In order that facilities be acceptable for transfer to The Martin Company, for custodial responsibility, certain requirements are mandatory. This plan defines the mandatory requirements for acceptance of RP/RPIE, for custodial responsibility, by The Martin Company.

WWW.CHROMEHOOVES.NET



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

1.3.1 RP/RPIE, Acceptance by The Martin Company

1.3.1.1 The Martin Company will accept the responsibility for custody (less accountability), operation, and maintenance, of RP/RPIE following the completion of RP construction, RPIE installations, and RPIE testing.

1.3.1.2 The Martin Company will accept custodial responsibility of facilities on the basis of one or more of the following minimum divisions of the site:

- a. Power House
- b. Propellant Terminal #1, Liquid Oxygen System (complete), and Utility Tunnel to the fire wall at the Missile Silo.
- c. Propellant Terminal #2, Liquid Oxygen System (complete), and Utility Tunnel to the fire wall at the Missile Silo.
- d. Propellant Terminal #3, Liquid Oxygen System (complete), and Utility Tunnel to the fire wall at the Missile Silo.
- e. Equipment Terminal #1 and Utility Tunnel to the fire wall at the Missile Silo.
- f. Equipment Terminal #2 and Utility Tunnel to the fire wall at the Missile Silo.
- g. Equipment Terminal #3 and Utility Tunnel to the fire wall at the Missile Silo.
- h. Missile Silo #1 and Utility and Personnel Tunnels to Fire Wall near the silo.
- i. Missile Silo #2 and Utility and Personnel Tunnels to Fire Wall near the silo.
- j. Missile Silo #3 and Utility and Personnel Tunnels to Fire Wall near the silo.
- k. Orientation Targets
- l. Personnel Tunnels to the fire walls or blast doors as applicable, launcher air filtration system, tunnel blast locks #1 and #2 and personnel escape hatch system at blast lock #2.
- m. Portal silo, instrument tube assembly and camera tube assembly.



MASTER ACTIVITIES PLAN

Site Manufacturing
MARTIN
DENVER

- n. Communication manhole
- o. Hand holes, hazard lights, and nuclear test base
- p. Antenna silos and terminal
- q. RP-1 fuel system (complete)
- r. Control center (including sewage system)
- s. Shop, Missile Assembly and Maintenance (SMAM)
- t. Re-entry vehicle facility
- u. Liquid oxygen plant.

1.3.1.3 Transfer of custodial responsibility to The Martin Company will be accomplished on form DD-1149.

1.3.1.4 The following items will be included on, or attached to, the applicable DD-1149: (The DD-1149 and items a, b, c, d, e, f, g, h, and i, will be on multilith reproducible masters).

a. An itemized list of all RP/RPIE including all loose and portable tools. Each item listed will include the following information:

- (1) AF Stock Number
 - (2) Part Number
 - (3) Model Number
 - (4) Serial Number
 - (5) Proper AF Nomenclature of the Items
 - (6) Manufacturer's Name and Sales Order Number
 - (7) Configuration Status (as defined by "As-Build" drawings)
 - (8) Quantities
 - (9) Location
- b. A listing, by item, of all uncorrected discrepancies, (including equipment and/or system exclusions), scheduled completion dates of same, and assignment of responsibility for completion and acceptance.
- c. A listing of all AFTO-2 forms, historical records, and Operation and Maintenance Records.
- d. A listing of all keys, indicating number and quantity, function, and lock location.



MASTER ACTIVITIES PLAN

Site Manufacturing
MARTIN
DENVER

- e. A complete listing of:
- (1) "As-Built" drawings
 - (2) Current vendor Service and Maintenance Handbooks, Manuals, Instructions, etc.
 - (3) Other pertinent vendor data including warranties and guarantees.
 - (4) Special equipment, including loose and portable tools, required for maintenance and operation.
 - (5) Spare parts to be supplied with the RP/RPIE.
- f. A report certifying the status of calibration at the time of transfer of custodial responsibilities to The Martin Company. The report will include a listing of each device requiring calibration, and for each device:
- (1) Nomenclature
 - (2) Part Number
 - (3) Model Number
 - (4) Serial Number
 - (5) Range and Specification
 - (6) Accuracy
 - (7) Calibration Interval
 - (8) Date of Last Calibration
- g. The following wording. (Required on the DD-1149 form).
- (1) (Description of RP/RPIE to be assigned,) is hereby assigned to The Martin Company for custody, operation and maintenance as provided for by contract (applicable contract number) and for the accomplishment of The Martin Company and Associate Contractors' installation and checkout efforts pertaining to said (Description of RP/RPIE to be assigned.) The following lists of items are a part of DD-1149:
 - (a) Inventory of installed equipment.
 - (b) A listing of all keys to structure.
 - (c) Inspection forms, historical records and maintenance records of installed equipment.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

(d) A listing of applicable equipment, warranties, and the provisions thereof.

(e) A listing of all uncorrected discrepancies, deficiencies and/or exclusions as listed on ENG form 290, transfer document.

(2) The Contractor accepts custody of the property listed as identified above as Government Furnished Property within the provisions of Clause 19, "Government Property" of Basic Agreement AF 33(600)7325, except as to accountability, whether or not such property is set forth in the schedule of contract, (applicable contract number). It is understood, however, that the property listed is of such a magnitude and nature that it cannot be determined at the time of delivery whether it is "suitable for intended use" or whether it was built in strict accordance with specifications furnished by the Government to the Contractor constructing or fabricating said property. Moreover, it is understood that said property will be used and partially occupied by persons other than the Contractor and that the Contractor's control over the use and occupancy by such other persons is limited.

(3) For the above reasons, the Contractor shall have the right at any time to report to the Contracting Officer any defects, loss or damage to said property, subject to the same remedies applicable to property received in a "condition not suitable for the intended use" as provided for in Paragraph 19a of said Government Property clause.

(4) The Contractor accepts the facilities listed herein for custodial responsibility only, as follows:

(a) Operation and maintenance of installed facilities in accordance with the provisions of the contract, (applicable contract number).

(b) Maintenance of all historical records and inspection forms in a manner as may subsequently be required by contract, (applicable contract number).

(c) Provisioning of all parts as required by contract, (applicable contract number).



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

(d) As Government Furnished Property within the provisions of Clause 19, "Government Property", of Basic Agreement AF 33(600)7325, except as to accountability, whether or not such property is set forth in the schedule of contract, (applicable contract number.)

h. A listing of all propellants, oils, and lubricants required for maintenance and operation, and a statement of assurance that the noted propellants, oils, and lubricants will be available as required during the period of custodial responsibility.

i. A listing of all necessary supporting services required for maintenance and operation, such as chilled water, compressed air, electrical power, heating, and ventilating services, and a statement of assurance that the noted services will be available as required during the period of custodial responsibility.

1.3.1.5 The following audits will be made by The Martin Company prior to acceptance of facilities on the DD-1149:

1.3.1.5.1 Quality Control will audit the calibration report, the AFTO-2 forms and historical records (as required by contract) for adequacy.

1.3.1.5.2 Engineering will review test results for functional tests as required to verify that all functional items are acceptable for transfer to The Martin Company.

1.3.1.5.3 Manufacturing will audit all operation and maintenance manuals, instructions, and historical records, for adequacy.

1.3.1.5.4 Manufacturing will audit the listing of discrepancies for satisfactory scheduling and assignment of responsibility for completion and acceptance.

1.3.1.5.5 Materiel, with Manufacturing and Quality Control, will inventory the RP/RPIE for comparison with the DD-1149 and attachments.

1.3.1.5.6 Quality Control, Engineering, Manufacturing, and Materiel, will report the results of all audits to Contracts in writing.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

1.3.1.5.7 Contracts will audit the content of the DD-1149 for satisfactory wording, and with reports from Quality Control, Manufacturing, Materiel, and Engineering, determine the acceptability of the RP/RPIE, supporting documentation, and supporting services, (as itemized on the DD-1149), for custodial responsibility, operation, and maintenance. Upon determination of acceptability, Contracts will forward the DD-1149(s) to The Martin Company Materiel Chief, with a notice in writing, that the DD-1149(s) are in order and acceptable to The Martin Company.

1.3.1.6 The Martin Company will develop plans and procedures for the following:

- a. All RP/RPIE.
- b. All AFTO forms, historical records, and operation and maintenance records.
- c. All keys.
- d. A current set of:
 - (1) "As-Built" drawings.
 - (2) Vendor Service and Maintenance Handbooks, Manuals, Instructions, etc.
 - (3) Other pertinent vendor data including warranties, guarantees, and purchase order numbers.
- e. A complete set of special equipment required for maintenance and operation.
- f. All spare parts.
- g. A current Calibration report.

1.3.1.8 Items listed as discrepant or as exclusions will not be accepted on the DD-1149 and a statement will be entered on the pertinent DD-1149 indicating that The Martin Company will accept the discrepant or excluded items on a "Supplemental" DD-1149 after all discrepancies have been corrected and the items have been accepted by the responsible agency, previously defined on the DD-1149 and attachments.

"Supplemental" DD-1149(s) have the same pre-requisites, and will be processed by The Martin Company in the same manner, as the original DD-1149.



MASTER
ACTIVITIES
PLAN

Site Manufacturing
MARTIN
DENVER

1.3.2 Sequence of Events, RP/RPIE Acceptance by The Martin Company

1.3.2.1 Not less than five (5) days prior to the "Final Walk-Thru" by the Technical Approval Team (TAT), the Martin Company Engineering Representative(s) shall have evaluated RP/RPIE test procedures, witnessed RP/RPIE tests, and compared test results with test criteria. The Martin Company Manufacturing representative(s) shall have witnessed RP/RPIE tests.

1.3.2.2 Five (5) days prior to the "Final Walk-Thru" by the Technical Approval Team (TAT), The Martin Company will prepare for audit of the RP/RPIE.

1.3.2.3 Three (3) days prior to "Final Walk-Thru" by the Technical Approval Team (TAT), SATAF will make available the following items for review by representatives of The Martin Company:

a. All AFTO-2 forms, historical records, and Operation and Maintenance Records.

b. A current set of:

- (1) "As-Built" drawings.
- (2) Vendor Service and Maintenance Handbooks, Manuals, Instructions, etc.
- (3) Other pertinent vendor data including warranties, guarantees, and purchase order numbers.

c. A complete set of special equipment, including loose and portable tools, required for operation and maintenance of the RP/RPIE.

d. A current calibration report.

e. Final RP/RPIE test results.

f. A listing of all uncorrected discrepancies (including equipment and/or system exclusions), scheduled completion dates of same, and assignment of responsibility for completion and acceptance.

1.3.2.4 Three (3) days prior to the "Final Walk-Thru" by the Technical Approval Team (TAT,) the Martin Company will make the following audits:

1.3.2.4.1 Quality Control will audit the Calibration report, the AFTO-2 forms and historical records (as required by contract) for adequacy, and report the audit results to Contracts in writing.



MASTER ACTIVITIES PLAN

Site Manufacturing

MARTIN
DENVER

1.3.2.4.2 Engineering will audit test results for functional tests as required to verify that all functional items are acceptable for transfer to The Martin Company, and report the audit results to Contracts in writing.

1.3.2.4.3 Manufacturing will audit all special equipment, Operation and Maintenance Manuals, instructions, and records, for adequacy, and report the audit results to Contracts in writing.

1.3.2.4.4 Manufacturing will audit the listing of discrepancies for satisfactory scheduling and assignment or responsibility for completion and acceptance, and report the results of the audit to Contracts in writing.

1.3.2.5 Two (2) days prior to the "Final Walk-Thru" by the Technical Approval Team (TAT), The Martin Company Contracts Chief will receive reports from Quality Control, Engineering, and Manufacturing and, based on acceptability to these three divisions of The Martin Company, advise SATAF, in writing, of the RP/RPIE acceptability contingent upon satisfactory "Final Walk-Thru" results and DD-1149 definitization. The Martin Company Contracts Chief and SATAF will reconcile all problem areas defined as a result of The Martin Company audit.

1.3.2.6 Two (2) days prior to the "Final Walk-Thru", SATAF will prepare the DD-1149's.

1.3.2.7 The "Final Walk-Thru" will be conducted by the Technical Approval Team (TAT).

1.3.2.7.1 SATAF will present the DD-1149(s) and attachments, to The Martin Company.

1.3.2.7.2 The "Final Walk-Thru" will be under the chairmanship of SATAF.

1.3.2.7.3 The Martin Company representatives of Materiel, Manufacturing, and Quality Control, will inventory the RP/RPIE for comparison with the DD-1149 and attachments and report the results of the inventory to Contracts in writing.



MASTER
ACTIVITIES
PLAN

Site Manufacturing



1.3.2.7.4 The DD-1149(s) and attachments will be updated by SATAF to reflect additions, deletions, or changes, required as a result of the "Final Walk-Thru".

1.3.2.7.5 Upon completion of the "Final Walk-Thru" The Martin Company will receive the following items (as listed on the DD-1149(s) and attachments):

- a. All RP/RPIE.
- b. All AFTO-2 forms, historical records, and Operation and Maintenance Records.
- c. All keys.
- d. A current set of:
 - (1) "As-Built" drawings.
 - (2) Vendor Service and Maintenance Handbooks, Manuals, Instructions, etc.
 - (3) Other pertinent vendor data including warranties, guarantees, and purchase order numbers.
- e. A complete set of special equipment required for maintenance and operation.
- f. All spare parts.
- g. A current Calibration list.

1.3.2.7.6 Upon receipt of the items listed in 1.3.2.7.5, above, The Martin Company will accept custody, operation, and maintenance, of the RP/RPIE defined by the "updated" DD-1149(s).

1.3.2.7.6.1 Quality Control (The Martin Company) will accept responsibility for maintenance of the AFTO-2 forms and the DD-829-1 forms.

1.3.2.7.6.2 Manufacturing (The Martin Company) will accept the responsibility for: maintenance of facilities (as required by the DD-1149), housekeeping, sanitary services, all keys, "as-built" drawings, vendor service and maintenance handbooks, manuals, instructions and all vendor data, and special equipment, transferred by the DD-1149.

1.3.2.7.6.3 Materiel (The Martin Company) will accept the responsibility for storage and accountability of RPIE spares.



MASTER
ACTIVITIES
PLAN

Site Manufacturing

MARTIN
DENVER

1.3.2.8 One (1) day following the presentation of the DD-1149's The Martin Company Contracts Chief will audit the content of the DD-1149 for satisfactory wording, and with reports from Quality Control, Manufacturing, and Engineering, determine the acceptability of the facility, supporting documentation, and supporting services, for custodial responsibility.

1.3.2.9 Four (4) days following the presentation of the DD-1149, The Martin Company Contracts Chief and SATAF will reconcile all problem areas defined by The Martin Company.

1.3.2.10 Six (6) days following the presentation of the DD-1149(s) The Martin Company Contracts Chief will notify The Martin Company Materiel Chief that the DD-1149(s) is (are) acceptable for signature.

1.3.2.11 Seven (7) days following the presentation of the DD-1149(s) The Martin Company Materiel Chief will formally accept the custody, operation, and maintenance of the RP/RPIE, for The Martin Company by signing the DD-1149(s).

1.3.2.11.1 The Martin Company Materiel Chief will reproduce, and distribute the following quantities, from the reproducible masters of the DD-1149(s) and attachments:

a. Reproduction:

- (1) SATAF: (As requested)
- (2) The Martin Company: 24

b. Distribution:

- (1) SATAF: (As requested)
 - (2) The Martin Company: 24
- Materiel: 8
Manufacturing: 8
Contracts: 3
Quality Control: 3
Engineering: 1
FSSD: 1

1.3.2.11.2 The Martin Company Materiel Chief will retain the reproducible masters of the DD-1149(s) and attachments.