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MINUTEMAN MASTER DOCUMENT INDEXES

WS-133A PROGRAM

D2-9939-1
Consolidated Index-All Documents Prior to Feb 15, 1963

D2-9939-1A
Index of Deliverable Documents After Feb. 15, 1963

D2-9939-2A
Index of Support Documents After Feb. 15, 1963

WS-133B PROGRAM

D2-30032-1A
Index of Deliverable Documents

D2-30032-2A
Index of Support Documents

REvised
US 4000 2000

BOEING VOL. NO D2-30032-1A
SEC. PAGE 9
The original WS-133B Master Technical Data Index, D2-30032, for this and subsequent revisions has been separated into two series of volumes. The number of volumes in each series will be governed only by the number of pages involved.

D2-30032-1A (-1B, -1C, etc.) indexes the documents required to be delivered to the Air Force.

D2-30032-2A (-2B, -2C, etc.) indexes the documents required to support the work of the WS-133B Boeing Contracts.

Similar indexes have been prepared on WS-133A:

D2-9939-1A (-1B, -1C, etc.) series,

D2-9939-2A (-2B, -2C, etc.) series.

Note: The forms originally used for the index were called Document Requirement and Development Notice (DRDN). The form which is replacing it is the Document Requirements Information (DRI). To cut costs, the index has not been rewritten to eliminate the DRDN's. As new information is added in subsequent revisions, the older forms will be replaced by the DRI.
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INTRODUCTION

I. Summary

D2-30032-1A contains information on all Air Force required documents on the WS-133B program, Contract AF01(69A)-266. All contract documents on the WS-133B Program of which the requirements are defined sufficiently to allow the work to be developed are contained in this volume. It is submitted in partial compliance to Paragraph 17.2.1 of the AF01(69A)-266 Letter Contract dated January 7, 1963.

II. General Description

Every document prepared by The Boeing Company in support of the WS-133B, Contract AF01(69A)-266 will be described in the Master Index. D2-30032-1A will index the documents that are contractually required to be delivered to the Air Force. To develop a document, information relative to its description, purpose and scope must be accumulated and examined to determine the validity of the requirement and to prevent duplication. This information is presented on a Data Requirement Information (DRI) form. Once an evaluation has been made and the requirements have been met, a document number is assigned and the DRI sheet is processed into the Master Index. This Index therefore, serves two purposes:

1. It identifies the information prepared to justify document preparation.
2. It serves as a source of abstracts for those documents.

Status information is purposely excluded from this index, so that revisions to DRI's already in the index will be minimized. Status information is stored and maintained in the WS-133B Technical Data Bank. Such information is retrievable within 24 hours. Document D2-30103, "WS-133B Technical Data Bank - DATAMAT System" provides a complete description of DATAMAT ... what it is, why it was developed and how it can be used. DATAMAT is designed to provide information retrieval capabilities on demand. No index, no matter how well cross referenced, could provide these capabilities.

III. Index of Data Requirement Information Sheets

DRI's are filed in document number sequence. No cross references are provided. Access to document descriptions other than by document number is provided by the WS-133B Technical Data Bank - DATAMAT System (see D2-30103 for a description of the DATAMAT System). By employing the capabilities of DATAMAT to retrieve information about documents, hundreds of thousands of different questions can be answered which are tailored to the user's needs.
The work of researching and writing the DRI's for VS-133B documents began on the -289 Contract and are now being done on the -266 Contract. The list below identifies those DRI's by document number which were created under each contract.

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CONTRACT ORIGIN OF INDEX PAGES (DRI's)

APOL(69L)-266

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6600.33.127
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2-3355-0-(hh9B thru l62B)
APOL 120
D500-30
D7-2076
FDD2-217-2
FDD2-216-6
FDD2-2882-6
25-37600
21-52750
Installation Criteria for Heat and Aero-Survey Transducers on R&D Missiles

Description
Contains installation and protection criteria for calorimeters, ablation gauges, and transducers. Contains part of study reports called for in AFSRD Exhibit 62-69.

Purpose and Scope
To provide basic criteria to be used by all contractors for installation of calorimeters, ablation gauges, and transducers. To recommend inspection and to suggest a criteria for protective covers.

References and Remarks
Only Section 8.4 of this document will be updated and submitted. Section 8.4 is the extent of the contractual requirement. AFSRD Exhibit 62-69 Gas Dynamic Studies Applies to both A&B Programs.

In-house document title: AFSRD Exhibit 62-69 Gas Dynamic Studies

Title of contractually required Section 8.4: Section 8.4

Maintenance: Annually: Weekly: Bi-weekly: Monthly:

A/P Right: Yes: No

In-house Right: Yes: No

A/P Approval Req'd: Yes: No

Classifications: Secret: Confidential: Unclassified: New: Revision


Authority: Contract No.: 151111

Boeing: NO. D2-30022-IA

Rev. Sym.
**Title:** Atlantic Missile Range System Integration and Test Plan (SITP) Annex

**Description:**

Presents the working relationships between the several contractors, Air Force and Government agencies in the Minuteman operations at AMR.

**Purpose and Scope:**

To augment D2-3737 (Atlantic Missile Range System Integration and Test Plan, Minuteman Program, WS-133A), incorporating those requirements unique to the WS-133B Flight Test Program.

**References and Remarks:**

**Maintained:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P:**
- Yes
- No

**In-House:**
- Yes
- No

**A/P Approval Req:**
- Yes
- No

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- Other

**Contract No.:** 72215-1A

**Boeing No.:** D2-30032-1A

**Rev Sym:**

**Page:** 18
Index of Interface Control Drawings, Minuteman Program WS-133

A procedure for and a listing of interface drawings and specifications for the entire Minuteman R&D program.

To establish the responsibilities and procedures for preparation, review, approval, distribution, and subsequent revisions of interface and space control drawings and documents for Minuteman R&D programs.

REFERENCES AND REMARKS

AFSD Exhibit 62-46

Comments from all Associates are incorporated prior to submittal.

Applies to both A&B Programs.

From -266 Contract

MAINTAINED:  ANNUALLY _________  SEMI-ANNUALLY _________  QUARTERLY _________  MONTHLY _________  BI-WEEKLY _________

WEEKLY _________  SINGLE RELEASE _________  AS REQUIRED _________

A P REQ:  YES X  NO _________  IN-HOUSE REQ:  YES X  NO _________  A P APPROVAL REQ:  YES X  NO _________

CLASSIFICATION:  SECRET _________  CONFIDENTIAL _________  UNCLASSIFIED _________  NEW _________  REVISION _________

DOCUMENT REQUIRED AT:  SEATTLE _________  VAFB _________  AMI _________  CENTURIE _________  P715 _________  WING I _________

WING II _________  WING III _________  WING IV _________  WING V _________  WING VI _________  WING VII _________  WING VIII _________

WING IX _________  OTHER _________

AUTHORITY:  CONTRACT NO.  -266 _________  CCN _________  CONTRACT REF. _________

PARA. NO. _________  W. O. NO. _________  WORK PGC. NO. _________  EMA NO. _________

REV SYM _________

BOEING NO. D2-30032-1A

SEC.  PAGE 19
Title
Acceptance Summary Report - FTM ** Model Specification S-133-1000-0-2

Description
Provides evidence of missile configuration, identification and certification.
Defines deviations from compliance with the air-borne vehicle model specification S-133-1000-0-2 (Boeing document D2-30150-2). Includes:
- Waivers and Deviations
- Equipment Identification Forms
- Contractor Certification Form
- List of Part Shortages
- Addenda to Functional Test Requirements

Purpose and Scope
To document an Acceptance Summary Report for Flight Test Missile FTM ** as required to support final acceptance activities at the AMR (Atlantic Missile Range) Test Site.

References and Remarks

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REV SYM

BOEING

D2-30032-IA

SECT. | PAGE 20
The preceding DRI includes the following volumes:

* D2-3929-449
  * L50
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  * H66
  * H67
  * H68
  * H69
  * H70
  * H71
  * H72
  * H73
Final Flight Test Report - FTM ** (U)

Contains test objectives, flight summary, conclusions, recommendations, test configuration, test operations, test results, and reliability.

To provide a final report covering an HSM-60C missile flight test. Covers principally those areas for which Boeing has responsibility.

References and Remarks

Requirement | AF Approval Required | Single Release Only | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
---|---|---|---|---|---|---|---
X | X | X | X | S | I | I | I

Data Required At:
Seattle VAFB AMR Chanute Plt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6
The preceding DRI includes the following volumes:

- D2-1002-1
- D2-1002-2
- D2-1002-3
- D2-1002-4
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- D2-1002-6
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The engineering document which lists the detailed launch area test operations in the sequence necessary for launch of a Minuteman XHSM-80C missile.

To provide the Launch Area Test Operator with a detailed plan and checklist for use in controlling the XHSM-80C Flight Test Missile launch operation.

Volume III is a sequential list of operations required to complete emplacement and launch. The individual test details and data sheets necessary to support the operations sequenced in Volume III are provided in Volume IV.
Title: XHSM-80C Launch Countdown (DOPS)

Description:
The engineering document which lists the detailed Launch Area Test Operations in the sequence necessary for launch of a Minuteman XHSM-80C missile.

Purpose and Scope:
To provide the Launch Area Test Operator with a detailed plan and checklist for use in controlling the XHSM-80C Flight Test Missile Launch Operation.

References and Remarks:
Volume III is a sequential list of operations required to complete emplacement and launch. The individual test details and data sheets necessary to support the operations sequenced in Volume III are provided in Volume IV.
**TITLE**
Minuteman Reliability Program - Wing VI

**DESCRIPTION**
Contains in full all activities required to fulfill reliability program requirements of the Statement of Work.

**PURPOSE AND SCOPE**
To control the Contractor's reliability effort to achieve the greatest cost effectiveness in insuring the high level of reliability required of the Weapon System.

**REFERENCES AND REMARKS**
MIL-R-27512
Amendment 1
AFESD Exhibit 62-50

**MAINTENANCE**
ANNUALLY ☑️ SEMI-ANNUALLY ☑️ QUARTERLY ☑️ MONTHLY ☑️ BI-WEEKLY ☑️ WEEKLY ☑️ SINGLE RELEASE ☑️ AS REQUIRED ☑️

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**CLASSIFICATION**
SECRET ☑️ CONFIDENTIAL ☑️ UNCLASSIFIED ☑️ NEW ☑️ REVISION ☑️

**DOCUMENT REQUIRED AT:**
- SEATTLE ☑️ VAP ☑️ AIR ☑️ CHANGE ☑️ RT 77 ☑️ WING I ☑️
- WING II ☑️ WING III ☑️ WING IV ☑️ WING V ☑️ WING VI ☑️ WING VII ☑️ WING VIII ☑️
- WING IX ☑️ OTHER ☑️

**AUTHORITY:**
- CONTRACT NO. ☑️ 266 ☑️ CCN ☑️ CONTRACT REF. ☑️
- TASK NO. ☑️ 11.1.1 ☑️ W.O. NO. ☑️ WORK PKG. NO. ☑️ EWA NO. ☑️
Title
WS-133A - WS-133B Minuteman Quarterly Progress Report, Research and Development and Operational Programs (U)

Description
A presentation of the major scheduled program milestones and the progress made toward accomplishing these objectives. Includes an overall summary and detailed statements of each problem and the progress made toward its solution. The detailed problem statements are grouped by contract.

Purpose and Scope
To convey to Air Force Management the status of the Contractor's progress toward accomplishing the program objectives.

References and Remarks
AFEM Exhibit 58-1
Fulfills requirement for the WS-133B Quarterly Technical Progress Report
*Final figure of year plus one
**Quarter
Applies to both AAB Programs.

From -266 Contract

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2-6015-10-6

REV SYM

NO. D2-5192-5-05
SECT. 27
Flight Termination System, Range Safety (U)

Contains detailed information concerning the principles of operation and performance requirements of the Range Safety Flight Termination System for the Minuteman Program at AMR (Atlantic Missile Range).

To be used by authorized personnel as a guide in preparing test procedures and checklists which will insure successful operation of the flight termination system.

Changes made for subsequent missiles (including WS-133B missiles) will be covered by the use of addendums to this document.

Applies to both A&B Programs.

From -289 Contract

Changes made for subsequent missiles (including WS-133B missiles) will be covered by the use of addendums to this document.

Applies to both A&B Programs.

From -289 Contract
**Title**
Minuteman Schedule Control Document, Volume 2 (U)

**Description**
A comprehensive summary of programming information encompassing the activities of Production Planning, Construction, Installation, Assembly and Checkout, Production, USAF Acceptance and Weapon System Deliveries, Training, etc. Includes Program Control Room Charts.

**Purpose and Scope**
Provides schedule integration control management visibility of all schedules of the Wing VI Block Change Development Programs and is to be used as a schedule coordination device.

**References and Remarks**

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Seattle, VAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM
Title
Integrated Base Support Requirements - Wing VI

Description
Lists detailed base facilities, equipment and services required to support the Contractor's program.

Purpose and Scope
To provide Air Force management with an estimate of the Air Force base support required by contractors for each specific program conducted on an Air Force base.

References and Remarks
AFM Exhibit 58-1, Para. 2.9
60-30

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2-6815-10-6
This specification sets forth the requirements and tests necessary to define and insure the Carriage, Rocket Motor, 1st Stage, Figure A 4078, Revision 6A.

To provide a vehicle for the Air Force acceptance of the Carriage, Rocket Motor, 1st Stage.

Applies to both A & B Programs. From -289 contract.
This specification sets forth the requirements and tests necessary to define and insure the Missile Erection Control, Figure A 4445 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Missile Erection Control.

Applies to both A & B Programs.
From -289 Contract.
IDENTIFICATION SPECIFICATION, TRUCK, DOLLY (S-133-121-3-1-79)

This Specification sets forth the requirements and tests necessary to define and insure the Truck, Dolly, Fig. A 3022 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Truck, Dolly.

References and Remarks

Applies to both A&B Programs.

From -560 Contract.

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Data Required At:

Seattle WAFB AMR Chahute Flt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM

BOEING NO. D2-30032-1A

SECT.

PAGE 33
Identification Specification Cylinder/Valve, Compressed Gas
(S-133-121-2-1-2U)

This specification sets forth the requirements and tests necessary to define and insure the Cylinder/Valve, Compressed Gas, Figure A 4305 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Cylinder/Valve, Compressed Gas.

Applies to both A & B Programs.
From -289 Contract.

M A I N T A I N E D:  ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BIWEEKLY ___________
WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________ X

A/F REQMT:  YES X NO ___________ IN-HOUSE REQMT:  YES X NO ___________ A/F APPROVAL:  YES X NO ___________

CLASSIFICATION:  SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED ___________ X NEW ___________ REVISION ___________

DOCUMENT REQUIRED AT:  SEATTLE ___________ VAFB ___________ AME ___________ CHANUTE ___________ PLT 77 ___________ WING I ___________
WING II ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________
WING IX ___________ WING X ___________ OTHER ___________

AUTHORITY:  CONTRACT NO. ___________ NO. ___________ CON ___________ CONTRACT REF. ___________
PARA. NO. ___________ W.O. NO. ___________ WORK PKG. NO. ___________ EW&N NO. ___________

REV SYM ___________  BOEING NO. D2-J00321-A

SEC. ___________ PAGE ___________ 34
This specification sets forth the requirements and tests necessary to define and assure the Retractor, Guidance and Control, Umbilical Cable, Figure A 1202, Revision 6A.

To provide a vehicle for the Air Force acceptance of the Retractor, Guidance and Control, Umbilical Cable.

Applies to both A and B Programs.
From -289 Contract.
**Minuteman Standard Operating Procedures for Ordnance Devices**

Contains instructions or reference sources of instructions for all phases of Minuteman ordnance testing, installation and removal, and which shall include caution notes and warnings whenever needed.

**Purpose and Scope**

To provide a single index of all procedures for handling ordnance in the system.

**References and Remarks**

Applies to both A&B Programs.

From -289 Contract

**Maintained:**

- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/F Req'd:**

- Yes
- No

**In-House Req'd:**

- Yes
- No

**A/F Approval Req'd:**

- Yes
- No

**Classification:**

- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**

- Seattle
- VAF
- AAM
- CHAMT
- PLT 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Wing VII
- Wing VIII
- Wing IX
- Wing X
- Other

**Authority:**

**Contract No.:** 266

**CEN:**

**Contract Ref.:**

**Para. No.:** 14-3-7-46

**W.O. No.:**

**Work Pkg. No.:**

**EWA No.:**

**Boeing No.** D2-30032-1A

**Rev. Sym.**
Title
WS-1338 Master Specification Index, The Boeing Company

Description
An index of all the Contractor prepared specifications, including a tabulated specification listing and a graphical specification tree.

Purpose and Scope
To completely identify all specifications for the operational weapon system by describing and identifying those specifications down to the tier of an series of equipment specifications and by identifying the individual equipment specifications of each series.

References and Remarks
AFBISD Exhibit 61-1

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Data Required At:
Seattle, VAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, V, VI, Other

2-6015-10-6

REV SYM
**Title**

Model Specification Elevator - Work Cage, Passenger and Equipment  
(S-133-121-3-1-5)

**Description**

This specification sets forth the requirements and tests necessary to define and insure the Elevator - Work Cage, Passenger and Equipment, Figure A 4013, Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Elevator - Work Cage, Passenger and Equipment.

**References and Remarks**

Applies to both A and B Programs.  
From -289 Contract.

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- Chanute  
- PLT 77  
- Wing 1  
- Wing 2  
- Wing 3  
- Wing 4  
- Wing 5  
- Wing 6  
- Wing 7  
- Wing 8  
- Other

**Authority:**

Contract No.  
DB-266  
CCN  

**Boeing No.**

D2-30032-1A

**Page:** 38
Identification Specification Level Set, Missile Base Support
(S-33-121-3-17)

This specification sets forth the requirements and tests necessary to
define and insure the Level Set, Missile Base Support, Figure A 1107
Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Level Set,
Missile Base Support.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -289 Contract.

MAINTAINED:

ANNUALLY   SEMI-ANNUALLY   QUARTERLY   MONTHLY   BI-WEEKLY
WEEKLY      SINGLE RELEASE   AS REQUIRED   X

AV/AW REQM:

YES   X   NO          IN-HOUSE REQM: YES   X   NO          A/F APPROVAL REQ: YES   X   NO

CLASSIFICATION:

SECRET  CONFIDENTIAL  UNCLASSIFIED  X  NEW  REVISION  X

DOCUMENT REQUIRED AT:

SEATTLE  VAFS  AME  HAM  CHANUTE  PLT 77  WING I
WING II  WING III  WING IV  WING V  WING VI  WING VII  WING VIII
WING IX  WING X  OTHER

AUTHORITY:

CONTRACT NO.  -266  CCM  CONTRACT REF.
PARA. NO.  h-2  W.O. NO.  WORK REG. NO.  EWA NO.

3-4415-46-1  REV SYM ——— B0EING  NO. D2-30032-1A  SEC.  PAGE 39
Identification Specification Clamp Set, Adapter Ring to Missile Skirt (S-133-121-1-29)

This specification sets forth the requirements and tests necessary to define and insure the Clamp Set, Adapter Ring to Missile Skirt, Figure A-609, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Clamp Set, Adapter Ring to Missile Skirt.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.
Title

Identification Specification Adapter, Hoisting, Guidance and Control Section (S-133-121-2-1-7)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Guidance and Control Section Hoisting Adapter, Figure A 4028 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Guidance and Control Section Hoisting Adapter.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

Requirement | AF Approval Required | Single Release Only | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
---|---|---|---|---|---|---|---
AF Inhouse | yes | no | X | U | |

Data Required At:
Seattle, WA; FB, AMS, Chanute, Pt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266  
Item No. 4.2  
Data Ident. No. D2-9924

Title

Identification Specification Sling, Beam Type  
(S-133-121-3-1-25)

Description

This Specifications sets forth the requirements and tests necessary to define and insure the Sling, Beam Type, HLU-82E, Fig. A 3046 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Sling, Beam Type.

References and Remarks

Applies to both A&B Programs.  
From -580 Contract.

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ASR  
Chamute  
Plt 7  
Wing I  
Wing II  
Wing III  
Wing IV  
Wing V  
Wing VI  
Other  |
|             | X                    |                          |                   |                        |              |                |                  |

REV SYM  
BOEING  
NO. D2-30032-1A  
SECT.  
PAGE 42
**Model Specification Seat, Operators (S-133-112-1-11)**

This specification sets forth the requirements and tests necessary to define and insure the Seat, Operators, Figure A 1335 Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Seat, Operators.

**REFERENCES AND REMARKS**

Applies to both A and B Programs.
From -289 Contract.
**TITLE**
Modal Specification Seat, Operators (S-133-112-1-10)

**DESCRIPTION**
This specification sets forth the requirements and tests necessary to define and insure the Seat, Operators, Figure A 1331, Revision 6A.

**PURPOSE AND SCOPE**
To provide a vehicle for the Air Force acceptance of the Seat, Operators.

**REFERENCES AND REMARKS**
Applies to both A and B Programs.
From -289 Contract.

**MAINTENANCE**
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

**A/P REQMT**
- YES
- NO
- IN-HOUSE REQMT

**CLASSIFICATION**
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW

**DOCUMENT REQUIRED AT**
- SEATTLE
- VAFB
- AMR
- CHARLOTTE
- PLT 77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**AUTHORITY**
- CONTRACT NO.
- WAF No.
- W.O. No.
- WORK Pkg. No.
- TWA No.
- BOEING NO.
- D2-9916

**REV SYM**
- 44
This specification sets forth the requirements and tests necessary to define and insure the Battery Set, Storage, Figure A 1282, Revision 6A.

To provide a vehicle for the Air Force acceptance of the Battery Set, Storage.

Applies to both A & B Programs from -289 contract.
Title

Identification Specification Clamp, Ballistic Actuator Rod (S-133-121-3-1-55)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Clamp, Ballistic Actuator Rod, TLU-128/E, Fig. A 4291 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Clamp, Ballistic Actuator Rod.

References and Remarks

Applies to both AAB Programs.
From -560 Contract.
This specification sets forth the requirements and tests necessary to define and insure the Ballistic Missile Shipping and Storage Container, Figure A-1095, Revision 6A.

To provide a vehicle for the Air Force acceptance of the Ballistic Missile Shipping and Storage Container.

Applies to both A and B Programs. From -289 Contract.
DATA REQUIREMENT INFORMATION (DRI)

Contract. 286
Item No. 4.2

Title
Model Specification - Simulator, Umbilical Signals and Loads, CTLI (S-133-2110-6-1)

Description
This specification sets forth the requirements and tests necessary to define and insure the Simulator, Umbilical Signals and Loads, CTLI, Figure A 9219, Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Simulator, Umbilical Signals and Loads, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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2-6013-10-6

REV SYM. __________

BOEING NO. D2-30032-1A
SECT. PAGE 48
Title
Model Specification Power Control Set, CTLI
(S-133-2110-1-L)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Power Control Set, CTLI, Figure A 9112 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Power Control Set, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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Data Required At:
Seattle, PAFB, AMR, Chanute, Ft 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REVSYM __________
Model Specification Trailer, Ballistic Missile (S-133-121-1-11)

DESCRIPTION

This specification sets forth the requirements and tests necessary to define and insure the Ballistic Missile Trailer, Figure A 1129 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Ballistic Missile Trailer.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -289 Contract.

MAINTENANCE

ANNUALLY _________ SEMI-ANNUALLY _______ QUARTERLY _________ MONTHLY _________ BI-WEEKLY _________
WEEKLY _________ SINGLE RELEASE _________ AS REQUIRED _________

A/H REQUEST

YES _________ NO _________ IN-HOUSE REQUEST _________ AS REQUESTED _________ A/H APPROVAL REQUEST _________ AS REQUESTED _________

CLASSIFICATION

CONFIDENTIAL _________ SECRET _________ UNCLASSIFIED _________ NEW _________ REVISION _________

DOCUMENT REQUIRED AT:

SEATTLE _________ VAFB _________ AMB _________ CHARLOTTE _________ PLT 77 _________ WING 1 _________
WING II _________ WING III _________ WING IV _________ WING V _________ WING VI _________ WING VII _________ WING VIII _________
WING IX _________ WING X _________ OTHER _________

AUTHORITY:

CONTRACT NO. _________ CCN _________ CONTRACT REP. _________
PARA. NO. _________ W.O. NO. _________ WORK REG. NO. _________ EWA NO. _________

REV SYM _________

BOEING NO. 02-30032-1A

SEC. _________ PAGES _________
MS-133B HSM-80C Missile and AF Plant 77 Assembly and Checkout Requirements

Details the requirements for conducting an integrated Assembly and Checkout Operation for the missile and AF Plant 77.

This document, developed as a result of missile downstream assembly analyses, shall prescribe the level of subsystem and equipment tests, test and assembly equipment necessary to demonstrate acceptance model specification compliance.

REFERENCES AND REMARKS

MAINTAINED:

ANNUALLY  SEMI-ANNUALLY  QUARTERLY  MONTHLY  BI-WEEKLY
WEEKLY  SINGLE RELEASE  AS REQUIRED
A/F REGIME  YES  NO  IN-HOUSE REGIME  YES  NO  A/F APPROVAL REGIME  YES  NO
CLASSIFICATION:  SECRET  CONFIDENTIAL  UNCLASSIFIED
DOCUMENT REQUIRED AT:

SEATTLE  VAFB  ANG  CHAMPA  PRR  WING I
WING II  WING III  WING IV  WING V  WING VI  WING VII  WING VIII
WING IX  WING X  OTHER

AUTHORITY:

CONTRACT NO.  CCN  CONTRACT REF.  PARA. NO.  18 2  W.O. NO.  WORK PGM. NO.  EWA NO.
**TITLE**

Minuteman Weapon System Operational Configuration Index - Wing VI

**DESCRIPTION**

The official Air Force document that lists and identifies the approved configuration of equipment comprising the Minuteman Weapon System at the Wing VI Operational Base and Vandenberg Air Force Base Wing VI facilities.

**PURPOSE AND SCOPE**

To provide Air Force and contractor agencies with the official authorized and required operational configuration as a condition of acceptance; in order to make it possible to meet the maintenance, operation, and logistic support requirements of the Minuteman Weapon System in an orderly and timely fashion.

**REFERENCES AND REMARKS**

Published internally to Boeing as D2-11200, Volume VI; transmitted as AFRSD Exhibit 60-60, Volume VI.
Identification Specification Switch, Launcher - Closure Latch (S-333-111-1-27)

This specification sets forth the requirements and tests necessary to define and insure the Switch, Sensitive, Figure A 1294; Revision 6A.

To provide a vehicle for the Air Force acceptance of the Switch, Sensitive.

APPLIES TO BOTH A AND B PROGRAMS.
From -500 Contract.

MAINTAINED: ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______
WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______
DATE: ________
A/F REQMT: YES ______ NO ______ IN-HOUSE REQMT: YES ______ NO ______ A/F APPROVAL REQD: YES ______ NO ______
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WING II ______ WING III ______ WING IV ______ WING V ______ WING VI ______ WING VII ______ WING VIII ______
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AUTHORITY: CONTRACT NO. ______ CONTRACT REP. ______
PARA NO. ______ W/O NO. ______ WORK Pkg. NO. ______ EMA NO. ______

BOEING NO. D2-30032-1A

REV SYM ________
Requirements Specification Government-Furnished Equipment, Missile Transportation and Handling Maintenance Ground Equipment (S-133-121-1-15)

This specification sets forth the requirements and tests necessary to define and insure the Government-Furnished Equipment, Missile Transportation and Handling Maintenance Ground Equipment, Figure A k130, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Government-Furnished Equipment, Missile Transportation and Handling Maintenance Ground Equipment.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

MAINTAINED: ANNUALLY       SEMI-ANNUALLY       QUARTERLY       MONTHLY       BI-WEEKLY
WEEKLY       SINGLE RELEASE       AS REQUIRED

A/F REQMT: YES X NO
IN-HOUSE REQMT: YES X NO
A/F APPROVAL REQD: YES X NO

CLASSIFICATION: SECRET       CONFIDENTIAL       UNCLASSIFIED X
NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE  VAFB    AME    CHANUTE  PLT 77  WING I
WING II       WING III       WING IV       WING V       WING VI       WING VII       WING VIII
WING IX       WING X       OTHER

AUTHORITY: CONTRACT NO. -266 CEN
PARA. NO. 422 W.O. NO.

BOEING NO. D2-30032-1A

REV SYM

**DESCRIPTION:**

This specification sets forth the requirements and tests necessary to define and insure the Hoist, Chain, Figure A h101 Revision 6A; the Truck, Tractor (R/V - G&C Maintenance Van), Figure A h115 Revision 6A; and the Wrench, Torque, Figure A h258 Revision 6A.

**PURPOSE AND SCOPE:**

To provide a vehicle for the Air Force acceptance of the Hoist, Chain, Hand-Operated; the Truck, Tractor (R/V - G&C Maintenance Van); and the Wrench, Torque.

**REFERENCES AND REMARKS:**

Applies to both A&B Programs. From 580 Contract.

**MAINTAINED:**

ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________.

WEELY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________.

**A/P REQM:**

YES ___________ NO ___________. IN-HOUSE REQM ___________ YES ___________ NO ___________. A/P APPROVAL REQM ___________ YES ___________ NO ___________.

**CLASSIFICATION:**

SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED X ___________ NEW Revision.

**DOCUMENT REQUIRED AT:**

SEATTLE ___________ VAFB ___________ AMR ___________ CHANUTE ___________ PLY 77 ___________ WING I ___________.

WING II ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________.

WING IX ___________ WING X ___________ OTHER ___________.

**AUTHORITY:**

CONTRACT NO. ___________. CCN ___________. CONTRACT REP. ___________.

PARA. NO. ___________. W.O. NO. ___________. WORK PKG. NO. ___________. EWA NO. ___________.

3-4814-408

**REV SYM:**

[Boeing logo] NO. D2-3032-1A

**SEC.** P. 55
Title
Requirements Specification Government Furnished Equipment On-Site Maintenance Equipment (S-133-121-3-1-19)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Government Furnished Equipment On-Site Maintenance Equipment. Figure A's 30H6 Revision 6A, 3067 Revision 6A, 4001 Revision 6A, 4299 Revision 6A, and 4053H Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Government Furnished Equipment On-Site Maintenance Equipment.

References and Remarks
Applies to both A and B Programs.
From 289 Contract.

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Data Required At:
Seattle, VAFB, AMR, Chanute, Pit 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM

BOEING

NO. D2-30032-1A
SECT.
PAGE 56
MODEL SPECIFICATION AIR CONDITIONER (S-133-121-1-14)

DESCRIPTION

This specification sets forth the requirements and tests necessary to define and insure the Air Conditioner, Figure A 115 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Air Conditioner.

REFERENCES AND REMARKS

Applies to both A and B Programs. From 269 Contract.

MAINTAINED:

ANNUALLY _______ SEMI-ANNUALLY _______ QUARTERLY _______ MONTHLY _______ BI-WEEKLY _______

WEEKLY _______ SINGLE RELEASE _______ AS REQUIRED _______

A/P REQMT YES _ NO _______ IN-HOUSE REQMT YES __ NO _______ A/P APPROVAL REQMT YES _ NO _______

CLASSIFICATION: SECRET _______ CONFIDENTIAL _______ UNCLASSIFIED _______ NEW _______ REVISION _______

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SEATTLE _______ WING II _______ WING III _______ WING IV _______ WING V _______ WING VI _______ WING VII _______ WING VIII _______ OTHER _______

AUTHORITY:

CONTRACT NO. 266 _______ CNR _______ CONTRACT REF. _______

PAK NO. H2 _______ W.O. No. _______ WORK Pkg. No. _______ SWA NO. _______
Title

Requirement Specification Maintenance Ground Equipment, Maintenance Equipment
(S-133-120-8-6)

Description

This specification sets forth the requirements and tests necessary to define and insure the Truck Lift, Fork, Figure A 3078 Revision 6A, 3039 Revision 6A, 3114 Revision 6A, 1127 Revision 6A, H385 Revision 6A, H416 Revision 6A, H476 Revision 6A, and H537 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Truck, Lift, Fork.

References and Remarks

Applies to both A & B Programs.
From -580 Contract.
Figure A H385 Revision 6A has been cancelled on Wing VI and will, therefore, not be applicable to this document.

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REV SYM
Identification Specification Headset-Microphone
(B-133-121-3-1-23)

This specification sets forth the requirements and tests necessary to define and insure the Headset - Microphone, Fig. A 4144 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Headset-Microphone.

Applies to both A&B Programs.
From -269 Contract

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7-4819-00-1  REV SYM

BOEING  NO. D2-30032-1A
This specification sets forth the requirements and tests necessary to define and insure the Electrical Cord Assembly, Fig. A 4362 Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Electrical Cord Assembly.

**REFERENCES AND REMARKS**

Applies to both A&B Programs

From -289 Contract

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**Title**

Model Specification, Console, Launch Complex Safety, CTLI (S-133-2110-2-1)

**Description**

This specification sets forth the requirements and tests necessary to define and ensure the Console, Launch Complex Safety, CTLI, Figure A 9101, Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Console, Launch Complex Safety, CTLI.

**References and Remarks**

Applies to both A and B Programs.

From -269 Contract.

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X

REV SYM

SOEING

NO. D2-00032-1A

SECT. PAGE 61
Model Specification, Power Supply Set - Command, Destruct and Telemetry, CTLI (S-133-2110-1-5)

This specification sets forth the requirements and tests necessary to define and ensure the Power Supply Set, LASB, CTLI, Figure A 9233, Revision 6A.

To provide a vehicle for the Air Force acceptance of the Power Supply Set, LASB, CTLI.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

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REV SYM
# Title
**Model Specification, Power Supply Set - Monitor and Control CTLI (S-133-2110-1-2)**

## Description
This specification sets forth the requirements and tests necessary to define and ensure the Power Supply Set, Monitor and Control, CTLI, Figure A 9157 Revision 6A.

## Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Power Supply Set, Monitor and Control, CTLI.

## References and Remarks
Applies to both A and B Programs.

From -289 Contract.

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**REV SYM**

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**Boeing**

**No. D2-30032-1A**

**SECT.**

**PAGE 43**
Model Specification Safety and Arming Device, Guided Missile Body Section SWU-11/A37U-12 (S-133-1000-1-4)

This specification sets forth the requirements and tests necessary to define and insure the Safety and Arming Device, Guided Missile Body Section, Figure A 6052 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Safety and Arming Device, Guided Missile Body Section.

This document applies to MRCN #6020; to be revised to reflect Figure A 6052 Revision 6A.

Applies to both AAB Programs.

From -46 Contract
TITLE
Identification Specification Grip Set, Umbilical Cable S-133-121-2-1-10

DESCRIPTION
This specification sets forth the requirements and tests necessary to define and insure the Grip Set, Umbilical Cable, S-133-121-2-1-10, Figure A h103, Revision 6A.

PURPOSE AND SCOPE
To provide a vehicle for the Air Force acceptance of the Grip Set, Umbilical Cable, S-133-121-2-1-10.

REFERENCES AND REMARKS
From -289 contract.
Applies to both AAB Programs.

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________
WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________

A/P REJECT: YES X NO ___________ IN-HOUSE REJECT: YES X NO ___________ A/P APPROVAL REQD: YES X NO ___________

CLASSIFICATION: SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED X NEW ___________ REVISION ___________

DOCUMENT REQUIRED AT: SEATTLE ___________ VAFS ___________ AME ___________ CHINATE ___________ PLT 77 ___________ WING I ___________
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AUTHORITY: CONTRACT NO. 266 ___________ CCN ___________ CONTRACT REF. ___________
PARA. NO. 197 ___________ W.O. NO. ___________ WORK PROC. NO. ___________ EWA NO. ___________
Identification Specification Positioning Kit, Carriage, Rocket Motor (S-133-121-1-50)

This specification sets forth the requirements and tests necessary to define and insure the Positioning Kit, Carriage, Rocket Motor, Fig. A 4280 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Positioning Kit, Carriage, Rocket Motor.

REFERENCES AND REMARKS

Applies to both A&B Programs.

From -289 Contract.
Title
(S-133-2113-4-7)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Rails, Missile Support, CTLI, Figure A 9178 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Rails, Missile Support, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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Seattle, YAFB, AMR, Chanute, Ft. 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
**Title**

Model Specification Test Set, Explosive Set Circuitry
(S-133-121-3-1-2)

**Description**

This specification sets forth the requirements and tests necessary to define and ensure the Explosive Set Circuitry Test Set, Figure A 3007 Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Explosive Set, Circuitry Test Set.

**References and Remarks**

Applies to both A and B Programs.

From 289 Contract.

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Seattle, WA 
Boeing

2-6015-10-6
**Title**

Identification Specification, Work Platform, Destruct Package Installation Facility, Combat Training Launch Instrumentation (S-133-2110-1-6)

**Description**

This specification sets forth the requirements and tests necessary to define and ensure the Work Platform, Destruct Ordnance Installation Building, CTLI, Figure A 9170 Revision 6.

**Purpose and Scope**

To provide a vehicle for the acceptance of the Work Platform, Destruct Ordnance Installation Building.

**References and Remarks**

Applies to both A and B Programs.

From -289 Contract.

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- VI Wing
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REV SYM 2-6815-10-6
Identification Specification Plate Set, Transporter-Erector, Hinge to Pylon
(S-133-121-1-55)

This specification sets forth the requirements and tests necessary to define and insure the Hinge to Pylon Set of the T-E, Fig. A 4306 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Hinge to Pylon Plate Set of the T-E.

Applies to both A&E Programs.

From -289 Contract
Title
Identification Specification Container, Shipping Combat Training Launch Instrumentation (S-133-2110-5-8)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Container, Shipping, CTLI, Figure A 9128 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Container, Shipping, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.
Model Specification, Ordnance Protective Device, Inadvertent Ignition, CTII (S-133-2110-1-6)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Protective Device, Inadvertent Ignition, Ordnance, CTII, Figure A 9232 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Protective Device, Inadvertent Ignition, Ordnance, CTII.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

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2-6115-10-6

REV SYM

BOEING NO. D2-30032-1A

SECT.
PAGE 72
Identification Specification, Clamp, Restraining, Hydraulic Actuator (S-133-120-8-11)

This Specification sets forth the requirements and tests necessary to define and insure the Clamp, Restraining, Hydraulic Actuator, TLU-126/E, Fig. A 3053 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Clamp, Restraining, Hydraulic Actuator.

References and Remarks

Applies to both A&B Programs.
From 580 Contract.

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2-6015-10-6
Identification Specification, Tower Set, Repeater Antenna, CTLI (S-133-2110-3-1)

This specification sets forth the requirements and tests necessary to define and insure the Tower Set, Repeater Antenna, CTLI, Figure A 9166 Revision 6AV.

To provide a vehicle for the Air Force acceptance of the Tower Set, Repeater Antenna, CTLI.

Applies to both A & B Programs.
From -289 Contract.

MAINTAINED: ANNUALLY_____ SEMI-ANNUALLY_____ QUARTERLY_____ MONTHLY_____ BI-WEEKLY_____ WEEKLY_____ SINGLE RELEASE_____ AS REQUIRED X

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AUTHORITY: CONTRACT NO. 266_____ CCN_____ CONTRACT REF._____ PARA. NO. 42 X W.O. NO._____ WORK PKG. NO._____ ENW NO._____
Identification Specification Jack Set, Translating (S-133-121-1-27)

This specification sets forth the requirements and tests necessary to define and insure the Translating Jack Set, Fig. A 4175 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Translating Jack Set.

Applies to both A&B Programs.

From -269 contract

MAINTAINED: ANNUALLY    SEMI-ANNUALLY    QUARTERLY    MONTHLY    BI-WEEKLY

A/P REGMT: YES X NO

CLASSIFICATION: SECRET    CONFIDENTIAL    UNCLASSIFIED    NEW

DOCUMENT REQUIRED AT: SEATTLE    YAFS    AMR    CHARLESTON    PLT 77    WING 1

WING 2    WING 3    WING 4    WING V    WING VI    WING VII    WING VIII

WING IX    OTHER

AUTHORITY: CONTRACT NO. -266

CONTRACT REP. 4-2
Title

Requirement Specification Government Furnished Equipment, CTL

Description

This specification sets forth the requirements and tests necessary to define and ensure the Truck, Stake, CTL, Figure A 9131 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Truck Stake, CTL.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

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2-6815-10-6
## Identification Specification Shelter, Environmental, Entrance Hatch

**S-133-121-3-1-35**

This specification sets forth the requirements and tests necessary to define and insure the Shelter, Environmental, Entrance Hatch. Figure A 4267 Revision 6A.

### Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Shelter, Environmental, Entrance Hatch.

### References and Remarks

Applies to both A&B Programs.

From -580 Contract.

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**Title**
Identification Specification Work Platform, G&C/CTLI Mating
(S-133-2110-5-1)

**Description**
This specification sets forth the requirements and tests necessary to define and ensure the Work Platform, G&C/CTLI Mating, Figure A 9178 Revision 6A.

**Purpose and Scope**
To provide a vehicle for the Air Force acceptance of the Work Platform, G&C/CTLI Mating.

**References and Remarks**
Applies to both A and B Programs.
From -289 Contract.

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Seattle X
VAFB X
ANG X

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Fit 77 Wing I
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Wing IV
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Wing VI
Other

REV SYM.

BOEING
NO. D2-30032-1A
SECT. 78
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 4.2

Title
Model Specification System, Repeater Antenna C-Band
(S-133-2110-3-9)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Repeater System, C-Band Beacon, CTII, Figure A 9215 Revision 5A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Repeater System, C-Band Beacon, CTII.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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Seattle, WA FKB, Chanute, Pt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6

REV SYM. ___________
Identification Specification Hook, Hoist Support (S-133-121-2-1-1h)

This specification sets forth the requirements and tests necessary to define and insure the Hoist Support Hook, Figure A llb0h Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Hoist Support Hook.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.
Identification Specification Container, Safe-Arm Pins (S-133-121-3-1-L9)

This specification sets forth the requirements and tests necessary to define and insure the Safe-Arm Pins Container, Figure A 4025 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Safe-Arm Pins Container.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -289 Contract.
**Title:** Identification Specification Sling, Guidance and Control, Shipping Container (S-133-121-2-1-25)

**Description:**
This specification sets forth the requirements and tests necessary to define and insure the G&G Shipping Container Sling, Figure A 1308 Revision 6A.

**Purpose and Scope:**
To provide a vehicle for the Air Force acceptance of the G&G Shipping Container Sling.

**References and Remarks:**
Applies to both A and B Programs.
From -289 Contract.

**Maintenance:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/F Reqmt:** Yes/X
**In-House Reqmt:** Yes/X
**A/F Approval Reqmt:** Yes/X
**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- VAFB
- ANHE
- CHAMTE
- PLY 77
- WING I
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**Authority:**
- Contract No. / 266
- CCN

**Para. No.**
- X2
- W.O. No.
- Work Reg. No.
- EWA No.

**Boeing**
- No. D2-30032-1A
- Sec.
- Page 82
Title

Identification Specification Cover Environmental Launcher Opening, (S-133-121-3-1-56)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Cover, Environmental, Launcher Opening, CVU-36E Fig. A 4292 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Cover, Environmental, Launcher Opening.

References and Remarks

Applies to both A&B Programs.

From -580 Contract.

### Requirement

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2-6815-10-6

REV SYM
This specification sets forth the requirements and tests necessary to define and ensure the Ducting, CTLI Unit Cooling, Figure A 9203 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Ducting, CTLI Unit Cooling.

References and Remarks

Applies to both A and B Programs.

Requirement

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REV SYM

BOEING NO. D2-30032-A

SECT. | PAGE 84
Identification Specification Adapter Assembly, Spanner Wrench
(S-133-121-2-1-2)

This specification sets forth the requirements and tests necessary to
define and insure the Spanner Wrench Adapter Assembly, Figure A 3119
Revision 6A.

To provide a vehicle for the Air Force acceptance of the Spanner Wrench
Adapter Assembly.

Applies to both A and B Programs.
From -289 Contract.
Identification Specification Stop, Door Actuator (S-133-120-6-2)

This specification sets forth the requirements and tests necessary to define and insure the Door Actuator Stop, Figure A 1375 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Door Actuator Stop.

Applies to both A and B Programs.

From 289 Contract.

Classification: SECRET

DOCUMENT REQUIRED AT: SEATTLE VAFB ANM CHANUTE PLT 77 WING I
WING II WING III WING IV WING V WING VI WING VII WING VIII WING IX OTHER

AUTHORITY: CONTRACT NO.: 266 CON CONTRACT REF.

BOEING NO. D2-30032-1A

REV SYM: 3-813-99-3
Identification Specification Barrier, Launch Tube Access Door, Safety (S-133-121-3-1-52)

This specification sets forth the requirements and tests necessary to define and insure the Launch Tube Access Door Safety Barrier, Figure A L263, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Launch Tube Access Door Safety Barrier.

References and Remarks

Applies to both A and B Programs.
From 289 Contract.

Maintained:

- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

A/P Receipt:

- Yes
- No

In-House Receipt:

- Yes
- No

A/P Approval Req:

- Yes
- No

Classification:

- Strict
- Confidential
- Unclassified
- New
- Revision

Document Required At:

- Seattle
- VAFB
- AME
- CHAMTRAC
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- Other

Authority:

Contract No.

- 266

CCN


Para. No.

- 12

W.O. No.

- 0

Work Req. No.

EWA No.
**Title**

Identification Specification Sling, Beam Type  
(S-133-120-8-26)

**Description**

This Specification sets forth the requirements and tests necessary to define and insure the Sling, Beam Type, ELU-95/E, Fig. A 5050 Rev. 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Sling, Beam Type.

**References and Remarks**

Applies to both A&B Programs.  
From -580 Contract.

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REV SYM

2-6015-10-6

BOEING NO. D2-30032-IA
Title

Identification Specification Truck Hand, Lift (S-133-121-3-1-46)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Truck, Hand Lift, Fig. A 4149 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Truck, Hand Lift.

References and Remarks

Applies to both A&B Programs.
From -580 Contract.
Identification Specification Support Cradle, Rocket Motor Carriage, 3rd Stage (S-133-121-1-49)

**DESCRIPTION:**

This specification sets forth the requirements and tests necessary to define and insure the 3rd Stage Rocket Motor Carriage Support Cradle, Figure A 6274, Revision 6A.

**PURPOSE AND SCOPE:**

To provide a vehicle for the Air Force acceptance of the 3rd Stage Rocket Motor Carriage Support Cradle.

**REFERENCES AND REMARKS:**

Applies to both A and B Programs.
From -289 Contract.

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Identification Specification Sling, Multiple Leg
(S-133-120-8-27)

This Specification sets forth the requirements and tests necessary to define and insure the Sling, Multiple Leg, HLU-94/E, Figure A 3052, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Sling, Multiple Leg.

References and Remarks

Applies to both A&B Programs.
From -560 Contract.

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2-6015-10-6
Identification Specification Cable and Reel Assembly, Grounding, Missile (S-133-121-1-28)

This specification sets forth the requirements and tests necessary to define and insure the Missile Grounding Cable and Reel Assembly, Figure A 4264 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Missile Grounding Cable and Reel Assembly.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

Maintained: Annually __ Semi-Annually __ Quarterly __ Monthly __ Bi-Weekly __ Weekly __ Single Release __ As Required __

A/F Reqmt: Yes __ No __

In-House Reqmt: Yes __ No __

A/F Approval Reqmt: Yes __ No __

Classification: Secret __ Confidential __ Unclassified __

Document Required At: Seattle __ VAFB __ AME __ CHAINTE __ PLT 77 __ WING I __

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WING IX __ WING X __ Other __

Authority: Contract No. 366 __

Para. No. L2 __

BOEING NO. D2-30032-1A

3-4815-65-5 REV SYM
Title:
Identification Specification Truck, Hand, Lift (S-133-120-8-31)

Description:
This Specification sets forth the requirements and tests necessary to define and insure the Hand, Lift, Truck, Commercial, Fig. A 4268 Rev. 6A.

Purpose and Scope:
To provide a vehicle for the Air Force acceptance of the Hand, Lift, Truck, Commercial.

References and Remarks:
Applies to both A&B Programs.
From -580 Contract.

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Seattle, VAFB, AMR, Chanute, Pfitz 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

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2-6815-10-6
**Title**

Identification Specification, Plate, Leveling (S-133-121-1-33)

**Description**

This Specification sets forth the requirements and tests necessary to define and insure the Plate, Leveling, Fig. A 4145 Rev. 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Plate, Leveling.

**References and Remarks**

Applies to both AAB Programs.
From -580 Contract.

**Data Required At:**
Seattle, VAFB, AFR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

**AF Approval Required**

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2-6015-10-6
Title
Identification Specification Support, Hoist, Umbilical Cable
(S-333-121-2-1-15)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Umbilical Cable Hoist Support, Figure A 4405 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Umbilical Cable Hoist Support.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

Maintenance:
ANNUALLY X SEMI-ANNUALLY NO QUARTERLY NO MONTHLY NO BI-WEEKLY NO WEEKLY NO SINGLE RELEASE NO AS REQUIRED X

A/P Right:
YES X NO IN-HOUSE RIGHT

A/F Approval Recd:
YES X NO

Classification:
SECRET CONFIDENTIAL CONFIDENTIAL UNCLASSIFIED X NEW REVISION

Document Required At:
SEATTLE WING I WING II WING III WING IV WING V WING VI WING VII WING VIII WING IX WING X OTHER

Authority:
CONTRACT NO. 266 CON CONTRACT REF.

Boeing No.
D2-30032-1A
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 4.2

Data Ident. No. D2-13105

Title
Identification Specification, Harness (S-133-121-3-1-44)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Harness, Ballistic Actuator, HLU-67/E, Fig. A 4143 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Harness, Ballistic Actuator.

References and Remarks

Applies to both A&B Programs.
From -580 Contract.

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2-6815-10-6

REV SYM

BOEING NO. D2-30032-1A

SECT. PAGE 96
Identification Specification Cover Set, Sling Rod Ends (S-133-121-331)

This specification sets forth the requirements and tests necessary to define and insure the Sling Rod Ends Cover Set, Figure A L265 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Sling Rod Ends Cover Set.

Applies to both A and B Programs.
From -289 Contract.

APPROVAL REQD      YES 
NO.
CLASSIFICATION:  SECRET       CONFIDENTIAL       UNCLASSIFIED

DOCUMENT REQUIRED AT: SEATTLE
VAR

WING II
WING III
WING IV
WING V
WING VI
WING VII
WING VIII
OTHER

AUTHORIZED:  CONTRACT NO.

PAGE 97
**Title**

Identification Specification Tank, Liquid Storage, Metal (S-133-121-3-1.3L)

**Description**

This specification sets forth the requirements and tests necessary to define and ensure Tank, Liquid Storage, Metal, Figure A 1191 Revision 6A.

**Purpose and Scope**

To provide a vehicle for Air Force acceptance of the Tank, Liquid Storage, Metal.

**References and Remarks**

Applies to both A and B Programs.

From -289 Contract.

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Data Required At:

- Seattle VAFB
- Chanute Fld 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

**REV SYM**

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**SECTION** | **PAGE**
---|---

---
Identification Specification Shelter, Transporter-Erector To Launcher (S-133-121-1-35)

This specification sets forth the requirements and tests necessary to define and insure the Shelter, Transporter-Erector to Launcher, Figure A U278 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Shelter, Transporter-Erector to Launcher.

Applies to both A and B programs.
From -289 Contract.
Title

Identification Specification Sling, Gas Generator, Launcher Closure (S-153-121-3-1-75)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Sling, Gas Generator, Launcher Closure, HLU-91/E, Fig. A 4594, Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Sling, Gas Generator, Launcher Closure.

References and Remarks

Applies to both A&B Programs.
From -580 Contract.
Title
Identification Specification Pallet, Multiplying Linkage (S-133-121-3-1-76)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Adapter, Hoisting, Multiplying Linkage, ADU-142/E Fig. A 4290 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Adapter, Hoisting, Multiplying Linkage.

References and Remarks
Applies to both AAB Programs.
From -500 Contract.

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2-6015-10-6

REV SYM
DATA REQUIREMENT INFORMATION (DRI)

Contract: -266
Item No. 4.2
Data Ident. No. D2-13127

Title
Identification Specification Kit, Modification, Base Adapter Ring, CTLI (S-133-2110-4-10)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Kit, Modification, Base Adapter Ring, CTLI, Figure A 9176, Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Kit, Modification, Base Adapter Ring, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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- VAFB
- AFR
- Chanute
- Flt 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

REV SYM

BOEING NO. D2-30032-1A
SECT.
PAGE 102
Identification Specification Jack Set - Leveling (S-133-121-1-36)

This specification sets forth the requirements and tests necessary to define and insure the Leveling Jack Set, Figure A 1188 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Leveling Jack Set.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -269 Contract.
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 4.2

Title
Identification Specification Sling, Chiller Unit and Pump,
(S-133-121-3-1-39)

Description
This Specification sets forth the requirements and tests
necessary to define and insure the Sling, Chiller Unit
and Pump, HLU-90/E, Fig. A 4376 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of
the Sling, Chiller Unit and Pump.

References and Remarks
Applies to both A&B Programs.
From -580 Contract.

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2-6835-10-6

REV SYM 

BOEING NO. D2-30032-1A
SECT. PAGE 104
Identification Specification Cover, Environmental, Transporter-Erector (S-133-121-1-59)

This specification sets forth the requirements and tests necessary to define and insure the T-E Environmental Cover, Figure A 1.271 Revision 6A.

To provide a vehicle for the Air Force acceptance of the T-E Environmental Cover.

Applies to both A and B Programs.
From -289 Contract.

CLASSIFICATION
SECRET
CONFIDENTIAL
UNCLASSIFIED

A/F APPROVAL REQD
YES

DOCUMENT REQUIRED AT:
SEATTLE
VAFB
AMF
CHANUTE
PLT 77
WING I
WING II
WING III
WING IV
WING V
WING VI
WING VII
WING VIII
WING IX
WING X
OTHER

AUTHORITY:
CONTRACT NO.
-265
CCN

REVISION

CONTRACT REF.

BOEING NO. D2-30032-1A

PAGE 105
Title
Identification Specification Plumb Bob Set, Transporter-Erector (S-135-121-1-30)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Plumb Bob Set, T-E, TLU-145/M38A-44, Figure A 4270 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Plumb Bob Set, T-E.

References and Remarks
Applies to both A&B Programs.
From -580 Contract.

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Seattle VAFB: AMR Canute Flt 77 Wing I; Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6
**Identification Specification Extension, Missile Base Adapter Ring (S-133-131-1-62)**

**DESCRIPTION**

This specification sets forth the requirements and tests necessary to define and insure the Missile Base Adapter Ring Extension, Figure 8, Revision 6.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Missile Base Adapter Ring Extension.

**REFERENCES AND REMARKS**

Applies to both A and B Programs.

From -289 Contract.

**MAINTAINED:**

- **ANNUALLY**
- **SEMI-ANNUALLY**
- **QUARTERLY**
- **MONTHLY**
- **BI-WEEKLY**
- **WEEKLY**
- **SINGLE RELEASE**
- **AS REQUIRED**

**A/P REGMT:**

- **YES**
- **NO**
- **IN-HOUSE REGMT**
- **YES**
- **NO**
- **A/P APPROVAL REGMT**
- **YES**
- **NO**

**CLASSIFICATION:**

- **SECRET**
- **CONFIDENTIAL**
- **UNCLASSIFIED**

**UNCLASSIFIED**

**DOCUMENT REQUIRED AT:**

- **SEATTLE**
- **VAFS**
- **AMR**
- **CHAMUITE**
- **PLT-77**
- **WING I**
- **WING II**
- **WING III**
- **WING IV**
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- **WING VII**
- **WING VIII**
- **WING IX**
- **WING X**
- **OTHER**

**AUTHORITY:**

- **CONTRACT NO.** N-266
- **CON**
- **CONTRACT REP.**

- **PARA. NO.**
- **W.O. NO.**
- **WORK PKG. NO.**
- **EWA NO.**

**REVISION:**

- **REVISION**
- **PAGE** 107
Title
Model Specification, Cable Assembly, Special Purpose, Electrical, CTLI
(S-133-2110-1-7)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Cable Assembly, Special Purpose, Electrical, CTLI, Figure A 9195 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Cable Assembly, Special Purpose, Electrical, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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Seattle, VAFB, ANF, Chanute, Plt 77, Wing I, II, III, IV, V, VI, Other

REV SYM
BOEING
This specification sets forth the requirements and tests necessary to define and insure the Power Azimuth Drive Controller, Figure A \( \text{FIG. 51}, \) Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Power Azimuth Drive Controller.

**REFERENCES AND REMARKS**

Applies to both A and B Programs.  From -289 Contract.
Identification Specification Traverse Plate, Launch Tube Access Door (S-133-121-3-1-78)

DESCRIPTION

This specification sets forth the requirements and tests necessary to define and insure the Launch Tube Access Door Traverse Plate, Figure A LA52 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Launch Tube Access Door Traverse Plate.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -289 Contract.

MAINTAINED:

ANNUALLY  SEMI-ANNUALLY  QUARTERLY  MONTHLY  BI-WEEKLY
WEEKLY  SINGLE RELEASE  AS REQUIRED

A/P REQMT  YES  NO  IN-HOUSE REQMT  YES  NO  A/P APPROVAL REQD  YES  NO

CLASSIFICATION:  SECRET  CONFIDENTIAL  UNCLASSIFIED  NEW  REVISION

DOCUMENT REQUIRED AT:

SEATTLE  WING  WING III  WING IV  WING V  WING VI  WING VII  WING VIII
WING IX  WING X  OTHER

AUTHORITY:

CONTRACT NO. 266  CCN  CONTRACT REF.
PARA. NO. 10  W.O. NO.  WORK PGC. NO.  FWA NO.

BOEING NO. D2-30032-1A

REV SYM
Title

Identification Specification Rod Assembly, Launcher Closure Lock Removal (S-133-121-3-1-54)

Description

This Specification sets forth the requirements and tests necessary to define and insure the Rod Assembly, Launcher Closure Lock Removal, Fig. A 4289 Rev. 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Rod Assembly, Launcher Closure Lock Removal.

References and Remarks

Applies to both AAB Programs.
From -580 Contract.

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2-6615-10-6
## DATA REQUIREMENT INFORMATION (DRI)

**Contract:** 266  
**Item No.:** U2  
**Data Ident. No.:** D2-13324

### Title

Model Specification Antenna, Command Destruct Signal, CFI  
(S-133-2110-3-3)

### Description

This specification sets forth the requirements and tests necessary to define and ensure the Antenna, Command Destruct Signal, CFI, Figure A 9202, Revision 6A.

### Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Antenna, Command Destruct Signal, CFI.

### References and Remarks

Applies to both A and B Programs.  
From -289 Contract.

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**Data Required At:**  
Seattle, VAFB, AMR, Chanute, Fld 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6  
REV SYM
**Title**

Identification Specification Sling, Transporter-Erector Actuator (8-133-120-8-28)

**Description**

This Specification sets forth the requirements and tests necessary to define and insure the Sling, Transporter-Erector Actuator, HLU-93/E, Fig. A 4415, Rev. 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Sling, Transporter-Erector Actuator, HLU-93/E.

**References and Remarks**

Applies to both A&B Programs.
From -269 Contract.

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2-6015-10-6
Minuteman Silo Pressure Environment (U)

Contains a description of theoretical pressure distribution at various places along the missile as a function of time as a result of engine ignition in the silo. This document contains a study report, referenced in APBSD Exhibit 62-69 (Gas Dynamics, Studies)

For use of Appendix only which contains methods of analysis for silo pressure environment from Missile engine ignition transients.

APplies to both A&B Programs.
From -289 Contract
APBSD Exhibit 62-69.

SECRET
CONFIDENTIAL
UNCLASSIFIED

DOCUMENT REQUIRED AT: SEATTLE
VAFB
NHQ
AFW
WING II
WING III
WING IV
WING V
WING VI
WING VII
WING VIII
WING IX
WING X
OTHER
Thiokol, STL

CONTRACT NO. 266
CONTRACT REF.
PARA. NO. 151.1.1.4
CCN
WORK INV. NO.
EWA NO.

REV SYM

BOEING
NO. D2-30032-1A
SEC.
PAGE 114
Identification Specification Support Set, Transporter-Erector, (S-133-121-1-48)

This specification sets forth the requirements and tests necessary to define and insure the Support Set, Transporter-Erector, Figure A 4217 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Support Set, Transporter-Erector.

Applies to both A&B Programs. From -580 Contract.
Model Specification, Test Set, Interval Timer (CTLI)
(S-133-2110-1-5)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Test Set, Interval Timer, CTLI, Figure A 9152 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Test Set, Interval Timer, CTLI.

References and Remarks

Applies to both A and B Programs.

From -289 Contract.
**Title**
Identification Specification Switch Assembly Set, Launcher Closure (S-133-111-8-4)

**Description**
This specification sets forth the requirements and tests necessary to define and ensure the Switch Assembly Set, Launcher Closure, CTL, Figure A 9162, Revision 6A.

**Purpose and Scope**
To provide a vehicle for the Air Force acceptance of the Switch Assembly Set, Launcher Closure.

**References and Remarks**
Applies to both A and B Programs. From -757 Contract.

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Seattle, VAFB, AMB, Chanute, Flt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

[Data Requirement Information (DRI)]
Contract: 266
Item No.: h.2
Data Ident. No.: D2-13490

REV SYM_  Boeing  NO. D2-30032-1A
SECT.     PAGE 117
**Title**

Identification Specification Test Chamber, Assembly, CTLI (S-133-2110-B-4)

**Description**

This specification sets forth the requirements and tests necessary to define and ensure the Test Chamber, Safety, CTLI, Figure A 9218 Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Test Chamber, Safety, CTLI.

**References and Remarks**

Applies to both A and B Programs.

From -580 Contract.

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Data Required At:

- Seattle
- VAFB
- ANR
- Chanute
- Fit 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6815-10-6
**Title:** Identification Specification Lead Set, Test, Facility Combat Training Launch Instrumentation Test Set, Explosive Set Circuitry (3-133-2110-4-2)

**Description:**
This specification sets forth the requirements and tests necessary to define and insure the Lead Set, Test, DOIB Test Set, Explosive Set Circuitry, CTLI, Figure A 9207 Revision 0AV.

**Purpose and Scope:**
To provide a vehicle for the Air Force acceptance of the Lead Set, Test, DOIB Test Set, Explosive Set Circuitry, CTLI.

**References and Remarks:**
Applies to both A&B programs. From -289 contract.

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Model Specification Test Set, PCM/FM Telemetry, CTLI (S-133-2110-6-2-2)

This specification sets forth the requirements and tests necessary to define and insure the Test Set, PCM/FM Telemetry, CTLI, Figure A 9186, Revision 6AV.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Test Set, PCM/FM Telemetry, CTLI.

REFERENCES AND REMARKS

Applies to both A & B Programs. From -757 Contract.
Title
Identification Specification Cable, Ground, Radio Frequency System, Launcher Area, CTII
(S-132-2170-1-5)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Cabling, Ground RF System, Launcher Area, CTII, Figure A 9210 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Cabling, Ground RF System, Launcher Area, CTII.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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2-6615-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 1266
Item No.: 4-E

Data Ident. No. D2-13721

Title
Identification Specification, Cover, Environmental, Missile Transfer, CTLI (S-143-2110-4-111)

Description
This specification sets forth the requirements and test necessary to define and ensure the Cover, Environmental, Missile Transfer, CTLI, Figure A 9012 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Cover, Environmental, Missile Transfer, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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2-6815-10-6
Identification Specification Retainer, Third Stage Cable, CTLI
(S-133-2110-4-13)

This specification sets forth the requirements and tests necessary to define and ensure the Retainer Third Stage Cable/CTLI, Figure A 9208 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Retainer, Third Stage Cable/CTLI.

Applies to both A and B Programs.

From -289 Contract.

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2-6815-10-6

REV SYM.
DATA REQUIREMENT INFORMATION (DRI)

Contract: -266
Item No.: 4.2
Data Ident. No.: D2-13725

Title
Identification Specification Building Prefabricated, Antenna System Support Equipment, Combat Training Launch Instrumentation (S-13-2110-3-7)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Building, Prefabricated, RF System Support Equipment, CTLI, Figure A 92th Revision 6A.

Purpose and Scope
To provide a vehicle for Air Force acceptance of the Building Prefabricated, RF System Support Equipment, CTLI.

References and Remarks
Applies to both A and B Programs.
From -289 Contract.

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2-6815-10-6
Minuteman Master Tooling Program

DOCUMENT REQUIREMENT & DEVELOPMENT NOTICE (DRON)

TITLE

Minuteman Master Tooling Program

DESCRIPTION

Documents the requirements for Master Tooling by the Associate Contractors to control interfaces of AGE and AVE. Provides inputs to AFBSI Exhibit 61-15A.

PURPOSE AND SCOPE

To define Minuteman Program Master Tooling Requirements; to assign responsibility for the design, fabrication and maintenance of all master tools; to standardize policy, procedures and methods for the creation, handling and maintenance of program master tools; to establish and define responsibilities for master tooling representatives to the ICWG (Interface Control Working Group).

REFERENCES AND REMARKS

Comprises 4 volumes in a single cover:

Volume 1 - Introduction and Policy
Volume 2 - ICD (Interface Control Drawing)
Volume 3 - Wings I - V
Volume 4 - Wing VI

Applies to both A&B Programs.

From -269 Contract

MAINTAINED:       ANNUALLY         SEMI-ANNUALLY  QUARTERLY  MONTHLY  BI-WEEKLY
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A/F REQM: YES X NO IN-HOUSE REQM: YES NO A/F APPROVAL REQD YES X NO

CLASSIFICATION:   SECRET          CONFIDENTIAL    UNCLASSIFIED X NEW       REVISION

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WING IX  WING X  OTHER

AUTHORITY:        CONTRACT NO. -266

PARA. NO. 6-4-1

SECRET  PAGE 125
Title
Identification Specification Alignment Kit, Optical (S-133-121-1-70)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Alignment Kit - Optical, KMU-147/E, Fig. A 5621 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Alignment Kit - Optical.

References and Remarks
Applies to both A&B Programs.
From -560 Contract.
**Identification Specification Alignment Set, Missile Transfer (S-133-121-1-69)**

**DESCRIPTION**

This specification sets forth the requirements and tests necessary to define and insure the Missile Transfer Alignment Set, Figure A U535 Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Missile Transfer Alignment Set.

**REFERENCES AND REMARKS**

Applies to both A and B Programs

From 289-100 Contract

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2-6015-10-6
Identification Specification Electrical Cable - Missile and Component Test, Assembly of (S-133-2110-5-11)

This specification sets forth the requirements and tests necessary to define and insure the Lead Set, G & C Checkout, CTLI, Figure A 9279, Revision 6AV.

To provide a vehicle for the Air Force acceptance of the Lead Set, Test, G & C Checkout, CTLI.

Applies to both A & B Programs.
From -289 Contract.

MAINTAINED: ANNUALLY     SEMI-ANNNUALLY     QUARTERLY     MONTHLY     B-WEEKLY
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WING II     WING III     WING IV     WING V     WING VI     WING VII     WING VIII
WING IX     WING X     OTHER

AUTHORITY: CONTRACT NO. -266     CCN
PARA. NO.     X     K O. NO.     WORK PKG. NO.     EHA NO.

REV SYM ----
Title

Model Specification, Liquid Cooling Equipment, Ground Guidance and Control
A/F 37U-5
(S-133-2105-5-13)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Liquid Cooling Equipment, Ground, Guidance and Control, CTLL Figure A 9278 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Liquid Cooling Equipment, Ground, Guidance and Control, CTLL.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.
A statement of the reliability requirements imposed throughout the various phases of the contractors effort, including design, testing and production.

Purpose and Scope

To provide overall reliability policy direction in combination with MIL-R-27512 and to interpret and expand upon MIL-R-27512.

References and Remarks

From 289 Contract

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Authority: CONTRACT NO. 289 CCH 388 CONTRACT REF.

PAGE 134
**WS-133B Test Planning Outline (U)**

**Description:**
Specifies the characteristics and sequence of tests required for the weapon system development through demonstration.

**Purpose and Scope:**
Covers the AMR Test Program

Input to BSD/STL to establish AFEISD Exhibit 62-137 and to support the test program plan and test functional flow analysis. Details the test program objectives, responsibilities and documentation. Test Phasing, Test Site Locations, HSM-600/WS-133B Compatibility Program, and Test Plans Requirements (component development through operational demonstration).

**References and Remarks:**
Inputs to AFEISD Exhibit 62-137
From -289 Contract
Prescribes environmental parameters and boundaries for the following conditions of the Weapon System Acquisition Cycle:

- Assembly, Repair and Test
- Training and Handling
- Storage
- Operation - Launch Facility and Launch Control Facility
- Flight (AVE only)

To establish the environmental design criteria reflecting service conditions which elements of the WS-133B Weapon System will encounter throughout the life of the system.

From -289 Contract
Preliminary Facilities Design Criteria for Silo No. 32A - Atlantic Missile Range

DESCRIPTION

Describes both the existing facilities and the new construction required to complete silo launch area 32A. This facility is required to support the WS-133B R&D Flight Test Program at AMR.

PURPOSE AND SCOPE

Provides the design criteria needed by an Architect - Engineer (A-E) to prepare construction drawings and specifications for Launch Silo 32A.

REFERENCES AND REMARKS

From -289 Contract

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AUTHORITY: CONTRACT NO. -289 CON 388 CONTRACT REF.

3-6115-00-5 REV SYM...
WS-133B Safety Criteria (62-82)

Outlines the basic requirements to be met by the contractor to achieve an integrated and comprehensive system safety effort.

PURPOSE AND SCOPE

To set up safety requirements for the WS-133B, including the nuclear safety. Industrial safety will not be covered.

REFERENCES AND REMARKS

From -289 Contract
Identification Specification Damper, Flue, Electronic Cooling (LF)
(S-133-111-1-LH)

DESCRIPTION
This specification sets forth the requirements and tests necessary to
define and insure the Damper, Flue, Electronic Cooling (LF), Figure A 1375,
Revision 6A.

PURPOSE AND SCOPE
To provide a vehicle for the Air Force acceptance of the Damper, Flue,
Electronic Cooling (LF).

REFERENCES AND REMARKS
Applies to both A and B Programs.
From -289 Contract.

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________
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AUTHORITY: CONTRACT NO. 266 ___________ CON ___________ CONTRACT REP. ___________
PARA. NO. ___________ W.O. NO. ___________ WORK Pkg. NO. ___________ DIV. NO. ___________}

REFERENCE:
2-481-68-3

REV SYM. ___________ 

BOEING NO. D2-30032-1A

PAGE 134
Exhaust Plume & Antenna Look Angle Description for Signal Attenuation Analyses - WS-133B Minuteman (U)

Contains the analysis and methods of analyses used to conduct the study report, "Exhaust Plume and Antenna Look Angle description for Signal Attenuation Analysis" called for in BSD Exhibit 62-69 (Gas Dynamics Studies).

To provide the following information for use in analysis of radio frequency signal attenuation:

1. Exhaust plume characteristics for each of the Wing VI Motors.

2. Airborne Antenna look angle for R&D and CTL trajectory relation to ground receiving stations at AMR and PDR.

REFERENCES AND REMARKS

APBSD Exhibit 62-69

CLASSIFICATION:
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- REVISION

DOCUMENT REQUIRED AT:
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- ORANGE HULAR
- PMR
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- WING IX
- OTHER

AUTHORITY:
- CONTRACT NO. 266
- CM
- CONTRACT REF.
- PARA NO. 154214
- W.O. NO. W.P.
- FTA.

REVISION NUMBER
Presents the gas dynamics of the HSM-80C Interstage designs including skirt jettisoning, design pressures and separation mechanics. Establishes Preliminary Design Data and Characteristics.

To support the special test requirements and BSD 62-69. Covers staging conditions, interstage pressure analysis and interstage jettison.

REFERENCES AND REMARKS

AFBSD Exhibit 62-69
Title:
Re-Entry Vehicle Separation Mechanics and Gas Dynamic Design Data

Description:
Contains analytic analysis, methods of analysis and results of studies covering gas dynamic effect that contribute to R/V miss distance of target. This document also contains design data.

Purpose and Scope:
To define the gas dynamic force on R/V at thrust termination.

References and Remarks:
AFBSD Exhibit 62-69.
VAFB Test Program Plan

Includes requirements, per 62-137, 62-138, and D2-11082, operations plans for base modification Checkout and Combat Training Launches and VAFB Test Programs Support Plan.

Purpose and Scope

This document provides a plan for the implementation and conduct of the Harpoon WS-133B Wing VI test program at Vandenberg. It also provides the basic program information necessary for management control and outlining task responsibilities, procedures and criteria against which program performances will be measured.

References and Remarks

AFMSD Exhibits 62-137 and 62-138
D2-11082

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REV SYM: 2-6015-10-6

BOSINO NO. D2-30032-1A

SECT. PAGE 140
Identification Specification Damper, Flue, Electronic Cooling (LCC) (3-133-112-1-12)

This specification sets forth the requirements and tests necessary to define and insure the Damper, Flue, Electronic Cooling (LCC) Fig. A 1375, Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Damper, Flue, Electronic Cooling (LCC).

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -289 Contract.

MAINTAINED: ANNUALLY _______ SEMI-ANNUALLY _______ QUARTERLY _______ MONTHLY _______ B-WEEKLY _______

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WING IX _______ WING X _______ OTHER _______

AUTHORITY: CONTRACT NO. 266 _______ CCN _______ CONTRACT REF. _______

PARS. NO. h62 _______ W.O. NO. _______ WORKING NO. _______ EWAS NO. _______

CARP No. D2-30032-1A _______ SEC. _______ PAGE 141 _______
Aerodynamic Drag Data - WS-133B Minuteman (U)

**Description**

Drag estimates for the HX-20C missile are presented for both the R&D and Operational Configurations.

**Purpose and Scope**

Drag data are required for use in predicting operational range capability and flight test performance.

**References and Remarks**

Due per Gas Dynamics Test Plan
Work Started on CCN 128

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**Authority:**

CONTRACT NO. 128

**Contract Ref:**

FPA. NO. 1511.11

**Work P.O. NO.:**

EWA NO.

**REV SYM:***

**NO.:** D2-30032-1A

**BOEING NO.:** D2-30032-1A

**PAGE: 142**
### Title

Aerodynamic Stability Characteristics - WS-133B Minuteman (U)

### Description

Presents the results of preliminary Aerodynamic Stability Studies of the first and second stage configurations of the proposed operational Wing VI vehicle.

### Purpose and Scope

The purpose of this document is to present preliminary Aerodynamic Parameters required for stability and control studies and missile load analysis.

### References and Remarks

Due per Gas Dynamics Test Plan
Work Started on CCN h28

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**BOEING**

No. D2-30032-1A

**SEC.**

Page 143
Aerodynamic Pressures & Loads - WS-133B - Minuteman (U)

DESCRIPTION

Presents preliminary external aerodynamic pressures and loads for the BSM-800 missile. The data presented are based on theoretical calculations and modifications of existing wind tunnel test data.

PURPOSE AND SCOPE

To re-define the external aerodynamic pressure and load distributions.

REFERENCES AND REMARKS

Due per Gas Dynamics Test Plan
Work started on CCN 428
TITLE
Launcher Gas Dynamics – Effect on Missile Performance – WS-133B Minuteman (U)

DESCRIPTION
The gas dynamic forces which affect the performance of the HSM-80C missile during launch are presented.

PURPOSE AND SCOPE
To specify the total force exerted on the missile, said force being the sum of the base pressure effects, external surface pressure effects, and skin friction effects.

REFERENCES AND REMARKS
Due per Gas Dynamics Test Plan
Work started on CCN 428
Gas dynamic stability parameters of pitching moment and normal force are presented for the HSH-80C missile as a function of pitch angle, percent emergence, and eccentricity of the center of gravity in the pitch plane for nozzle deflections of 0 and 2 degrees.

These data are required for calculating the missile trajectory during silo launch to establish a statistically worst-case trajectory and to define the design clearance envelope.

Due per Gas Dynamics Test Plan
Work started on CCN l28
Launched Gas Dynamics - Launcher Design Data - WS-133B Minuteman (U)

Description:

Presents information relative to (1) pressure environment to the missile, launch tube and adjacent areas and (2) thermal environment for the Launch Tube.

Purpose and Scope:

This information is necessary so as to determine effects on cavity design, umbilical design and missile mount design.

References and Remarks:

Due per Gas Dynamics Test Plan
Work Started on CCN h28
Title
Design Heating Data - Aerodynamic Heating - WS-1338, Minuteman (U)

Description
Contains the design heating data (heating rates) for the exterior of the missile during the boost phase.

Purpose and Scope
These data are provided as design data to be used in calculating the transient temperatures of the missile as required for structural integrity and thermal insulation studies.

References and Remarks
Work started on CN 428.

Requirement | AF Approval Required | Single Release Required | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
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X | | | | | | | |

Data Required At:
Seattle VAFB, ASP (Annette) Pit 77; Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6

REV SYM.______
Design Heating Data - Protuberance Heating - WS-133B, Minuteman

Contains heating data for in-flight and in-silo thermal environments relative to protuberances and discontinuities on the external surfaces of the HSM-60C missile.

These data will be used in designing structure and insulation for such things as raceways, antennas, fins, bulkheads, etc.

Due per Gas Dynamics Test Plan
Work started on CGN 428
**Title:** Design Heating Data - Base Heating - WS-133B, Minuteman (U)

**Description:**
Contains design heating data for the base regions of the missile during the boost phase. Data are identical for Stages I and III to the Wing II missiles. Data for stage II are based on theory and measurements from AEDC Qualifications Tests.

**Purpose and Scope:**
These data are required for calculating the missile structural integrity and thermal insulation design.

**References and Remarks:**
Due per Gas Dynamics Test Plan
Work started on CCM 128

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- QUARTERLY
- MONTHLY
- B-WEKLY
- WEEKLY
- SINGLE RELEASE
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**In-House Reqd:**
- YES
- NO

**A/P Approval Reqd:**
- YES
- NO

**Classification:**
- SECRET
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- X
- UNCLASSIFIED
- NEW
- REVISION

**Document Required At:**
- SEATTLE
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- AME
- CHANUTE
- PLT 77
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- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**Authority:**
- CONTRACT NO.
- CCP
- 128
- CONTRACT REF.
- 15.1.1.1
- W.O. NO.
- WORK Pkg. NO.
- SWA NO.
Design Heating Data - Silo Heating - WS-133B, Minuteman (U)

Contains design heating rates for the launch of an HSM-80C missile from a nominal 12 foot diameter silo. Heating data are applicable to the missile exterior and first stage base region during launch.

These data are required to support the design of missile structure and insulation.

Due per Gas Dynamics Test Plan
Work started on CCN 1226

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________ WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________ X

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AUTHORITY: CONTRACT NO. 266 ___________ CCN 1228 ___________ CONTRACT REF. ___________

PAGE 151
Title: Design Heating Data - Staging Heating WS-133B, Minuteman (V)

Description:
Contains design heating rates for the HSM-80C missile during I - II and II - III Staging and Stage III thrust termination.

Purpose and Scope:
These data are required to support the design of equipment and insulation located in regions which experience the staging thermal environment.

References and Remarks:
Due per Gas Dynamics Test Plan
Work started on CCN 128

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Para. No.: 15-12-12

Boeing No. D2-30032-1A

Rev 3Y4

Sec. | Page 152
Predicted Thermal Environment for PTM WS-133B Minuteman

**Title:**
Predicted Thermal Environment for PTM WS-133B Minuteman

**Description:**
Contains predicted environmental heating rate data for the flight test missiles used at AMR.

**Purpose and Scope:**
To support the evaluation of flight test insulation performance data.

**References and Remarks:**
BSD Exhibit 62-69.

**Maintenance:**
ANNUALLY

**Location:**
Seattle

**Contract No.:**
-266

**All Associate Contractors**
Title
Silo Launch Analysis - Missile Flyout Trajectory - WS-133B Minuteman

Description
Defines the predicted 13 sigma, launch trajectory and the design envelopes. The envelopes of nozzles relative to the adapter-ring, and skirt relative to the silo are given. Methods of analysis are also given.

Purpose and Scope
To insure that clearance exists between missile and silo hardware during launch.

References and Remarks
CCN L28

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Data Required At:
Seattle VAFB, ASC, Hanford, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
Aerodynamic Characteristics of Missile Pieces (U)

Contains theoretical aerodynamic characteristics of missile pieces that would result from missile breakup, at time of launch, as a function of the Mach Numbers encountered for various trajectories.

To all the range safety staff at AMR to determine Safety procedures.

REFERENCES AND REMARKS

APBSD Exhibit 62-69

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AUTHORITY: CONTRACT NO.: -266 _______ CON _______ CONTRACT REF. _______

PAEA NO.: 15-1-1-4 _______ W.O. NO. _______ WORK P/C. NO. _______ IWA NO. _______

REV: 5-59-3 BOEING NO. D2-30032-1A
Proposed Specification, Test Repair Set, Cooler, Guidance Section, A/E 37U-3 (S-133-120-6-9)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Test Repair Set, Cooler, Guidance Section, Figure A-1350 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Test Repair Set, Cooler, Guidance Section.

References and Remarks

Applies to both A and B Programs.

From -580 Contract.

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REV SYM

2-6815-10-6

BOEING
DOCUMENT REQUIREMENT & DEVELOPMENT NOTICE (ORDN)

TITLES
AFBSD Exhibit 62-16 Addendum A - Minuteman Interface and Space Control Program Operating Procedures

DESCRIPTION
Procedures for establishment of complete Weapon System Interface Control, Change Processing or Request for Interface Investigation, and Missile Assembly Reviews.

PURPOSE AND SCOPE
To describe the operating procedures to implement the Interface and Space Control Program established by AFBSD Exhibit 62-16. These procedures include the operation of the ICVIG and the support to be provided by all Weapon System Contractors and Air Force Agencies.

REFERENCES AND REMARKS
AFBSD Exhibit 62-16
Applies to both A&B Programs.
From -289 Contract

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________
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AUTHORITY: CONTRACT NO. ___________ CCN ___________ CONTRACT REP. ___________
PARA. NO. ___________ W.O. NO. ___________ WORK PKG. NO. ___________ EWH NO. ___________

REV SYM ___________
Identification Specification Tube, Vent, Gas Generator, Combat Training Launch
(S-133-111-8-9)

This specification sets forth the requirements and tests necessary to define and ensure the Ventilation Group, Gas, Closure Actuator, CTL, Figure A 9223, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Ventilation Group, Gas, Closure Actuator, CTL.

References and Remarks

Applies to both A and B Programs.
From -757 Contract.

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X

REV SYM

BOEING
**Title**
Identification Specification Fixture, Hoist, Transporting (S-133-120-8-35)

**Description**
This Specification sets forth the requirements and tests necessary to define and insure the Jig - Assembly and Test Unit Mounting, Fig. A 4244 Rev. 6A.

**Purpose and Scope**
To provide a vehicle for the Air Force acceptance of the Jig - Assembly and Test Unit Mounting.

**References and Remarks**
Applies to both A&B Programs.
From -560 Contract.

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2-6015-10-6

REV SYM

BOEING NO. D2-20032-1A

SECT. PAGE 159
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No. 112

Data Ident. No. D2-111353

Title

Identification Specification Cable Assembly Set, Electrical, Telemetry Checkout, Hardened Launch Control Center, Combat Training Launch Instrumentation (S-133-2110-1-12)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Cable Assembly Set, Electrical Telemetry Checkout, CTLI, Figure A 9326 Revision 6A.

Purpose and Scope

To provide a vehicle for Air Force acceptance of the Cable Assembly Set, Electrical Telemetry Checkout, CTLI.

References and Remarks

Applies to both A and B Programs.

From 289 Contract.

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2-6015-10-6

REV SYM

BOEING
NO. D2-30032-1A
SECT. PAGE No.
Title
Identification Specification Tower, Telemetry Checkout, Combat Training Launch Instrumentation
(S-1-33-2210-3-11)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Tower, Telemetry Checkout, CTLI, Figure A, 9296 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Tower, Telemetry Checkout, CTLI.

References and Remarks
Applies to both A and B Programs. From -289 Contract.
Title
Identification Specification Wrench, Torque, Insulated (8-133-121-3-1-63)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Wrench, Torque, Insulated, TLU-159/E, Fig. A 4406, Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Wrench, Torque, Insulated.

References and Remarks
Applies to both A&B Programs.
From -269 Contract.

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BOEING NO. D2-30032-1A

SECT. PAGE 142
Identification Specification Adapter Set, Shipping and Storage Container to C-133B Aircraft (S-133-121-1-71)

This specification sets forth the requirements and tests necessary to define and insure the Adapter Set, Shipping and Storage Container to C-133B Aircraft, Figure A 4527 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Adapter Set, Shipping and Storage Container to C-133B Aircraft.

Applies to both A and B Programs from -580 Contract.

MNT: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE AS REQUIRED

A/F REQMT: YES NO IN-HOUSE REQMT: YES NO A/P APPROVAL: YES NO

CLASSIFICATION: SECRET CONFIDENTIAL UNCLASSIFIED NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE VAFS ANAC CHANUTE PLT 77 WING I

WING II WING III WING IV WING V WING VI WING VII WING VIII

WING IX WING X OTHER

AUTHORITY: CONTRACT NO. 266 CCN CONTRACT REF.

PARA NO. H2 W.O. NO. WORK PKG. NO. ERA NO.

REVSYM BOEING NO. D2-30032-1A

SEC. PAGE 163
Identification Specification Barrier Set, Launcher Opening, Safety
(S-133-121-3-1-28)

This specification sets forth the requirements and tests necessary to
define and insure the Launcher Opening Safety Barrier Set, Figure A 4038,
Revision 6A.

To provide a vehicle for the Air Force acceptance of the Launcher Opening
Safety Barrier Set.

Applies to both A and B Programs.
From -259 Contract.
### Title
Identification Specification Sling, Beam Type
(S-133-120-8-36)

### Description
This specification sets forth the requirements and tests necessary to define and insure the Sling, Beam Type HIJN-122/E, Fig. A 4586.

### Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Sling, Beam Type.

### References and Remarks
Applies to both A&B Programs.
From -289 Contract.

### Requirement Table

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### Data Required At:
Seattle VAFB ANF Chasute FL 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM_________
Preliminary Mass Data, Wing VI (U)

Description:
Consists of weight studies and configuration weight summaries.

Purpose and Scope:
Preliminary studies in base structure and separation, raceways and R&D instrumentation to support designing.

References and Remarks:
D2-3910-22 Part II
D2-11210 Sec. 123
STL 9862.6-376
ASD Data Sheet 2-5550-0-12 R2

Maintenance:
Annually________ Semi-Annually________ Quarterly________ Monthly________ Bi-Weekly________
Weekly________ Single Release________ As Required________

A/P Request Yes________ X________ No________
In-House Request Yes________ X________ No________
A/P Approval Req. Yes________ X________ No________

Classification:
Secret________ Confidential X________ Unclassified________ New________ Revision________

Document Required At:
Seattle________ VAFB________ AMR________ CHANUTE________ P.I.T.77________ WING I________
WING II________ WING III________ WING IV________ WING V________ WING VI________ WING VII________ WING VIII________
WING IX________ OTHER________

Authority:
Contract No.________ 6266________
Work pkg. No.________ 15.1.1.7________

Boeing No.________ D2-30032-1A________
# Identification Specification Wrench, Portable Electric

(S-133-121-1-72)

## Description

This specification sets forth the requirements and tests necessary to define and insure the Portable Electric Wrench, Figure A 1526, Revision 6A.

## Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Portable Electric Wrench.

## References and Remarks

Applies to both A and B Programs.

From -289 Contract.

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Identification Specification Bridge Set, Missile Transfer (S-133-121-1-75)

This specification sets forth the requirements and tests necessary to define and insure the Missile Transfer Bridge Set, Figure A 1585, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Missile Transfer Bridge Set.

References and Remarks

Applies to both A and B Programs. From -289 Contract.

Maintenance:

Anually ____________________ Semi-Annually ____________________ Quarterly ____________________ Monthly ____________________ Bi-Weekly ____________________
Weekly ____________________ Single Release ____________________ As Required ____________________

A/P Right:

Yes X No ____________________ In-House Right Yes No ____________________ A/P Approval Req'd Yes X No ____________________

Classification:

Secret ____________________ Confidential ____________________ Unclassified ____________________ New Revision ____________________

Document Required At:

Seattle ____________________ VAFB ____________________ AME ____________________ CHAPEL ____________________ PLT 77 ____________________ WING I ____________________
WING II ____________________ WING III ____________________ WING IV ____________________ WING V ____________________ WING VI ____________________ WING VII ____________________ WING VIII ____________________
WING IX ____________________ WING X ____________________ Other ____________________

Authority:

Contract No. -266 ____________________ Con ____________________ Contract Rep. ____________________

Boeing No. D2-30032-1A
Title
Identification Specification Test Stand, Hydraulic System Components (S-133-120-6-37)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Test Stand, Hydraulic System Components, T2U-161/E, Figure A 3056 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Test Stand, Hydraulic System Components.

References and Remarks
Applies to both A&B Programs.
From 580 Contract.

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REV SYM______
Identification Specification Maintenance Kit, Guided Missile Components (S-133-121-2-1-26)

This specification sets forth the requirements and tests necessary to define and insure the Guided Missile Components Maintenance Kit, Figure A W83 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Guided Missile Components Maintenance Kit.

References and Remarks

Applies to both A and B Programs.
From -289 Contract.

Maintenance:

Annually
Semi-Annually
Quarterly
Monthly
Bi-Weekly
Weekly
Single Release
As Required

A/P Right: Yes
In-House Right: Yes
A/P Approval Req: Yes

Classification: Secret
Confidential
Unclassified

Document Required At:
Seattle
VAFB
AMP
Chariton
FLT 77
WING I

WING II
WING III
WING IV
WING V
WING VI
WING VII
WING VIII

WING IX
WING X
Other

Authority:
Contract No.
Con

Para. No.

Rev Sym
Identification Specification Stop, Railroad Wheel (S-133-121-1-73)

This specification sets forth the requirements and tests necessary to define and insure the Railroad Wheel Stop, Figure A 4525 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Railroad Wheel Stop.

Applies to both A and B Programs.

From -580 Contract.

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE AS REQUIRED X

A/F REQMT YES NO IN-HOUSE REQMT YES NO A/F APPROVAL REQD YES X NO

CLASSIFICATION: SECRET CONFIDENTIAL UNCLASSIFIED X NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE VAFB AME CHAMUPT MLT 77 WING I

WING II WING III WING IV WING V WING VI WING VII WING VIII WING IX WING X OTHER

AUTHORITY: CONTRACT NO. -266 CCN CONTRACT REF.

PARA. NO. L42 W.O. NO. WORK ING. NO. WOA NO.
IDENTIFICATION SPECIFICATION RESETING DEVICE, LAUNCHER-CLOSURE ACTUATOR (S-133-120-6-31)

**DESCRIPTION:**

This specification sets forth the requirements and tests necessary to define and insure the Launcher-Closure Actuator Resetting Device, Figure A 1634; Revision 6A.

**PURPOSE AND SCOPE:**

To provide a vehicle for the Air Force acceptance of the Launcher-Closure Actuator Resetting Device.

**REFERENCES AND REMARKS:**

Applies to both A and B Programs. From -289 Contract.

**MAINTAINED:**

- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**CLASSIFICATION:**

- Secret
- Confidential
- Unclassified
- New
- Revision

**DOCUMENT REQUIRED AT:**

- Seattle
- YAFS
- AMC
- CHANCELLOR
- PII 77
- WING I
- WING II
- WING III
- WING IV
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- WING VI
- WING VII
- WING VIII
- Other

**AUTHORITY:**

- Contract No.: 266
- CON
- Contract Ref.

**REV SYM:**

- Boeing No. D2-30032-1A
- SEC.
- PAGE 172
**Identification Specification Manifold, Purging, Guidance and Control Section (S-133-121-3-1-88)**

**DESCRIPTION:**
This specification sets forth the requirements and tests necessary to define and insure the Manifold, Purging, Guidance and Control Section, Figure A 4625 Revision 5a.

**PURPOSE AND SCOPE:**
To provide a vehicle for the Air Force acceptance of the Manifold, Purging, Guidance and Control Section.

**REFERENCES AND REMARKS:**
Applies to both A and B Programs. From -289 Contract.

**MAINTAINED:**
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

**A/P REQUI:**
- YES ☑
- NO ☐
- IN-HOUSE REQUI
- YES ☐
- NO ☑
- A/P APPROVAL REQUI
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- NO ☑

**CLASSIFICATION:**
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- REVISION

**DOCUMENT REQUIRED AT:**
- SEATTLE
- YAFB
- ANB
- CHANUTE
- PLT 77
- WING I
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**AUTHORITY:**
- CONTRACT NO.
- CCN
- CONTRACT REF.
- PARA. NO.
- W.O. NO.
- WORK NO.
- EWA NO.

**REVISION:**
- 1-6813-00-1

**Boeing No.:**
D2-30032-1A

**Page:** 173
Title
Identification Specification - Wrench Strap Actuator
(S-133-121-3-1-69)

Description
This Specification sets forth the requirements and tests necessary to define and insure the Wrench, Strap, Actuator, Fig. A 4568 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Wrench, Strap, Actuator.

References and Remarks
Applies to both A&B Programs.
From -289 Contract
**Title**

Identification Specification - Hoist, Chain (S-133-121-3-1-92)

**Description**

This Specification sets forth the requirements and tests necessary to define and insure the Hoist, Chain, Fig. A 3-37 Rev. 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Hoist, Chain.

**References and Remarks**

Applies to both A&B Programs.
From -580 Contract.

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Data Required At:
Seattle, VAFB

**REV SYM**

**BOEING**

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Identification Specification Adapter, Hoisting, Stabilizing Ring (S-133-121-2-1-28)

This specification sets forth the requirements and tests necessary to define and insure the Stabilizing Ring Hoisting Adapter, Figure A 4-53 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Stabilizing Ring Hoisting Adapter.

References and Remarks

Based on 4053.2 applies on both A and B Programs.
From -289 Contract.
Identification Specification Test Kit, Cable Retractor
(8-135-127-3-1-90)

This Specification sets forth the requirements and tests necessary to define and insure the Test Kit, Cable Retractor, TTU-186/E, Fig. A 4570 Rev. 6A.

To provide a vehicle for the Air Force acceptance of the Test Kit, Cable Retractor.

Applies to both A&B Programs.
From 266 Contract.

<table>
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Seattle: VAFB, ANB, Chanute, Kirt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
Identification Specification Inspection Kit, Penetrant, Combat Training Launch (S-133-111-8-11)

This specification sets forth the requirements and tests necessary to define and insure the Inspection Kit, Penetrant, CTL, Figure A 9298, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Inspection Kit, Penetrant, CTL.

References and Remarks

Used on both A and B Programs.
From -757 Contract.
Identification Specification Adapter Set, Anti-tilt, Elevator - Work Cage (S-133-111-6-10)

This specification sets forth the requirements and tests necessary to define and insure the Modification Kit, Elevator and Work Cage, CTL, Figure A 926h; Revision 6AV.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Modification Kit, Elevator and Work Cage, CTL.

REFERENCES AND REMARKS

Applies to both A & B Programs.
From -757 Contract.

MAINTENANCE:

- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

A/P REGIME:

- YES
- NO
- IN-HOUSE REGIME

A/P APPROVAL REGIME:

- YES
- NO

CLASSIFICATION:

- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- REVISION

DOCUMENT REQUIRED AT:

- SEATTLE
- VAF
- ANR
- CHANUTE
- PLT FY
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- OTHER

AUTHORITY:

- CONTRACT NO.
- 266
- CCN
- CONTRACT REP.
- PARA NO.
- h.2
- W.O. NO.
- WORK NO.
- AHA NO.

BOEING

NO. D2-30032-1A

REV SYM
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 4.2
Data Ident. No. D2-14848

Title
Identification Specification Adapter Set, Hoisting, Hydraulic Cylinders (S-133-121-3-1-99)

Description
This Specification sets forth the requirements and tests necessary to define and ensure the Adapter Set, Hoisting, Hydraulic Cylinders, A/E 32T-4, Fig. A 4591 Rev. 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Adapter Set, Hoisting, Hydraulic Cylinders.

References and Remarks
Applies to both A&B Programs.
From -289 Contract.

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Seattle VAFB, AMR Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6

REV SYM

BOEING
NO. D2-30032-1A
SECT.
PAGE 180
Identification Specification Switch Box Assembly - Remote Environmental Control (S-133-111-8-12)

This specification sets forth the requirements and tests necessary to define and insure the Switch, Remote Environmental Dampers, CTLI, Figure A 9266 Revision 6AV.

To provide a vehicle for the Air Force acceptance of the Switch, Remote Environmental Dampers, CTLI.

Applies to both A & B Programs.
From -289 Contract.
This specification sets forth the requirements and tests necessary to define and insure the Jack Kit, Hydraulic, Figure A 1640 Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Jack Kit, Hydraulic.

**REFERENCES AND REMARKS**

Applies to both A and B Programs.
From -289 Contract.

**MAINTAINED:**

ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________ WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________

**A/P RECOMMENDATION:**

YES ___ NO ___ IN-HOUSE RECOMMENDATION ___________ A/P APPROVAL ___________ NO ___________ RETURN ___________

**CLASSIFICATION:**

SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED ___________ NEW ___________ REVISION ___________

**DOCUMENT REQUIRED AT:**

SEATTLE ___________ VAFA ___________ AMR ___________ CHANUTE ___________ PLT 77 ___________ WING I ___________  WING II ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________ WING IX ___________ WING X ___________ OTHER ___________

**CONTRACT:**

CONTACT NO. ___________ 266 ___________  CCN ___________ CONTRACT REP. ___________

**PARA. NO.**

1.2 ___________ W.O. NO. ___________ CONTRACT NO. ___________ W.O. ID. ___________ EVANS NO. ___________
Identification Specification Hoist, Hydraulic Jack (S-133-121-3-1-116)

This specification sets forth the requirements and tests necessary to define and insure the Hoist, Hydraulic Jack, Figure A hoist8 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Hoist, Hydraulic Jack.

Applies to both A and B Programs.
From -269 Contract.

MAINTAINED:
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

A/7 REEQMT:
- YES
- NO

IN-HOUSE REQMT:
- YES
- NO

A/7 APPROVAL REQD:
- YES
- NO

CLASSIFICATION:
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW

DOCUMENT REQUIRED AT:
- SEATTLE
- VAR
- AAF
- CHANCE
- PLT 77
- WING 1
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- OTHER

AUTHORITY:
- CONTRACT NO. 266

PROJECT NO. 342

OFFICE NO. 183

BOEING NO. D2-30032-1A

REV SYM
Identification Specification Dolly, Hydraulic Jack (S-133-121-3-1-11l)

This specification sets forth the requirements and tests necessary to define and insure the Dolly, Hydraulic Jack, Figure A 16165 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Dolly, Hydraulic Jack.

REFERENCES AND REMARKS

Applies to both A and B Programs.
From -269 Contract.
Identification Specification Slings, Hydraulic Jack
(S-133-121-3-115)

This specification sets forth the requirements and tests necessary to define and insure the Sling, Hydraulic Jack, Figure A 6096 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Sling, Hydraulic Jack.

References and Remarks

Applies to both A and B Programs.

From -289 Contract.
**TITLE**
Configuration Management Manual

**DESCRIPTION**
Narrative description of configuration control methods and policies followed by The Boeing Company from the time of the System Requirements Analysis through delivery, including delivery data requirements. Includes functional analysis, serialization, prime level code, change processing, and a training program for subcontractors and suppliers.

**PURPOSE AND SCOPE**
To describe configuration management at Boeing for all Minuteman contracts.

**REFERENCES AND REMARKS**

**MAINTAINED:**
- **ANNUALLY**
- **SEMI-ANNUALLY**
- **QUARTERLY**
- **MONTHLY**
- **BI-WEEKLY**
- **WEEKLY**
- **SINGLE RELEASE**
- **AS REQUIRED**

**A/F REMT:**
- **YES**
- **NO**

**IN-HOUSE REMT:**
- **YES**
- **NO**

**A/F APPROVAL REMT:**
- **YES**
- **NO**

**CLASSIFICATION:**
- **SECRET**
- **CONFIDENTIAL**
- **UNCLASSIFIED**
- **NEW**
- **REVISION**

**DOCUMENT REQUIRED AT:**
- **SEATTLE**
- **VALLEYS**
- **AME**
- **CHARLOTTE**
- **PET/77**
- **WING I**
- **WING II**
- **WING III**
- **WING IV**
- **WING V**
- **WING VI**
- **WING VII**
- **WING VIII**
- **WING IX**
- **WING X**
- **OTHER**

**AUTHORITY:**
- **CONTRACT NO.**
- **CONTRACT REF.**
- **WORK Pkg. NO.**
- **AWS NO.**
- **W.O. NO.**
- **CCN NO.**
- **REV SYM.**

**BOEING NO.**
D2-00032-1A
**Title:** Minuteman R&D Missile Configuration Index

**Description:**

The official Air Force document that lists and identifies the approved configuration of equipment comprising the Minuteman R&D Flight Test Missiles.

**Purpose and Scope:**

To provide Air Force and contractor agencies with the official authorized and required configuration as a condition of acceptance; in order to make it possible to meet the maintenance, operation, and logistic support requirements of the Minuteman R&D Flight Test Missile in an orderly and timely fashion.

**References and Remarks:**

Published internally to Boeing as D2-15056; transmitted as AFESD Exhibit 60-60B. Applies to both A&B Programs. From -289 Contract

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**SEC.** | PAGE 187 |
These networks show pictorially the logical development of the WS-133B Integration, Assembly and Test programs. Covers technical requirements, identification through design, production and test, to final deployment.

The networks will present the overall planning for the WS-133B Integration, Assembly and Test programs.
This document will contain the dictionary and glossary of events used on the Event Logic Networks. Each event appearing on the networks will be explained in this document.

PURPOSE AND SCOPE

To support the Event Logic Networks by providing detailed explanation and definition.
Management Structure and Responsibility Assignment

DESCRIPTION:
A graphical and narrative portrayal of the Contractor's WS-133B management structure depicting organizational relationships and the apportionment of responsibilities for performance of the required tasks.

PURPOSE AND SCOPE:
To outline the general objectives of the Minuteman Branch and to provide the broad conceptual framework within which the major segments of the organization will be expected to function, and to identify the common management functions for which each manager is responsible, and to outline the general relationships between Boeing and external organizations.

REFERENCES AND REMARKS:

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE AS REQUIRED

CLASSIFICATION: SECRET CONFIDENTIAL UNCLASSIFIED NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE YAPB AMR CHANUTE PLT 77 WING I

WING II WING III WING IV WING V WING VI WING VII WING VIII WING IX OTHER

AUTHORITY: CONTRACT NO. -266 CCH CONTRACT REF.

PARA. NO. 12 W.O. NO. WORK PKG. NO. EWA NO.

REV SYM —

BOEING NO. D2-30032-1A SEC. PAGE 190
WS-1338 Integration Assembly and Test Management and Implementation Plan - Wing VI Block Change R&D Program (U)

The document is a program plan for the Wing VI Block Change.

To describe the Boeing plan to accomplish the Wing VI Block Change in accordance with AP01(65h)-266.

Purpose and Scope

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______ WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______

A/F RECMX YES ______ NO ______ IN-HOUSE RECMX YES ______ NO ______ A/F APPROVAL RECMX YES ______ NO ______

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WING IX ______ WING X ______ OTHER ______

AUTHORITY: CONTRACT NO. ______ CON ______ CONTRACT REF. ______

PARA. NO. ______ W.O. NO. ______ WORK PROC. NO. ______ EMR NO. ______

BOEING NO. D2-30000-1A

REV SYM ______

SEC. ______ PAGE 191
WS-133B Logistics Support System Exhibit 62-72 (U)

Contains logistic criteria around which the weapon system is designed and developed.

PURPOSE AND SCOPE

Specifies the criteria for the WS-133B Logistics Support System and establishes procedures for its further development. Encompasses the logistics support of the AGE, Training Equipment and Depot Maintenance Equipment in terms of maintenance, provisioning, supply, transportation and logistics support data.

REFERENCES AND REMARKS

From -289 Contract
Title
Operational Facilities Requirements Exhibit WS-133B (62-71)

Description
Contains WS-133B System Requirements for the following facilities:
  a. Launch Control Facilities
  b. Launch Facilities
  c. Strategic Missile Support Base Facilities
  d. Connecting roads and utility services.

Purpose and Scope
To establish the operational facilities requirements for the WS-133B Weapon System.
WS-133B Mechanical ORE Subsystem Design Criteria Exhibit

**DESCRIPTION:**

Covers Shock Isolation, AVE Umbilicals and Hardened Facility Closures.

**PURPOSE AND SCOPE:**

To provide design criteria for the shock mounts, AVE mount, G&C Umbilical, Skirt Umbilical, Launcher Closure and Personnel Doors.

**REFERENCES AND REMARKS:**

From -289 Contract
SM-80C Design Loads - Preliminary

Provides physical loads data for the missile in terms of:
(a) Ground handling loads
(b) Nuclear shock loads on the in-silo missile
(c) Flight loads.

These data are required to design the missile structures.

CLASSIFICATION: SECRET

DOCUMENT REQUIRED AT: SEATTLE, WING II — WING IX

AUTHORITY: CONTRACT NO. 266
SM-80C Design Loads (U)

Contains physical loads data for the primary and secondary missile structure in terms of:
1. Ground Handling loads
2. Nuclear shock loads on the in-silo missile
3. Flight loads.
This document contains information more recent than was available at the time of release of D2-30007 "SM-80C Design Loads - Preliminary".

To establish design loads to which the missile structure can be designed, this document satisfies the contractual requirement of one updating for Aerospace Vehicle Design Loads Document. This document will be an input to BSD Exhibit 62-67.

BSD Exhibit 62-67
CCN II requires revision for Figure A 6155.
Covers facility features, OGE and special personnel support items, such as LCF, breathable atmosphere, LCSB, Mobile Maintenance Vans, LF, etc.

Purpose and Scope

To establish design criteria requirements to be imposed on the hardware and facilities to provide Life Support features.

References and Remarks

AFBSD Exhibit 62-79

From -289 Contract

Maintenance: Annually__________ Semi-Annually__________ Quarterly__________ Monthly__________ Bi-Weekly__________ Weekly__________ Single Release__________ As Required__________

A/P Report: Yes__________ No__________ In-House Report: Yes__________ No__________ A/P Approval Reqd: Yes__________ No__________

Classification: Secret__________ Confidential__________ Unclassified__________ New__________ Revision__________

Document Required At: Seattle__________ VAFB__________ ANH__________ CHANUTE__________ FLT 77__________ WING I__________

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WING IX__________ WING X__________ Other__________

Authority: Contract No. -289__________ CCN__________ 428__________ Contract Ref.__________

Para. No.__________ No.__________ Work Pn. No.__________ ERA No.__________

3-4651-00-4

REV SYM__________ BOEING NO. D2-30003-1A

SEC. ______ PAGE 197
### Title

WS-133B Finish Criteria 62-88

### Description

Lists methods and materials for the finish protection of the WS-133B System Equipment and Facilities.

### Purpose and Scope

To define requirements for all hardware finishes.

To establish minimum requirements for the finishing, marking, color and corrosion control of the WS-133B System. Covers organic and inorganic finishes. Provides a finish for AVE, AGE and Facilities.

### References and Remarks

From -289 Contract

### Requirement Table

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2-6015-10-6

REV SYM.

BOEING

NO. D2-30032-1A
SECT.
PAGE 198
WS-133B Preservation, Packaging and Packing Criteria 62-89

Description

Describes the preservation, packaging and packing requirements as established by the Air Force procurements requirements and Weapon System (WS-133B) requirements.

Purpose and Scope

Establish preservation, packaging, packing and marking criteria for use in shipping, handling and storage of weapon system equipment. Includes AVE, AGE, training and others (tooling, test and factory support) equipment.

References and Remarks

BSD 62-51
62-89
From -289 Contract
WS-133B Standardization Exhibit 62-84

Establishes standardization for the WS-133B AGE.

Purpose and Scope

To provide requirements for uniform design and standardization of WS-133B AGE. Covers electrical and mechanical components, packaging, cooling, power circuits and electrical and electronic parameters.

References and Remarks

From -289 Contract


A/F Request:          YES:          NO:          In-House Request:          YES:          NO:          A/F Approval:          YES:          NO:

Classification:          SECRET:          CONFIDENTIAL:          UNCLASSIFIED:          NEW:          REVISION:          

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Authority:          CONTRACT NO.:          -289:          CCN:          428:          CONTRACT REP.:          

PARA NO.:          W.O. NO.:          WORK PKG. NO.:          EWA NO.:          

2-4815-60-3          REV SYM:          BOEING:          NO. D2-30032-1A:          SEC.          PAGE 200
**Gas Dynamics Test Plan**

**Outlines the test requirements, test plans, facility requirements, model requirements, test run schedules, and instrumentation requirements.**

**To define those tests required to provide support data for the design documents referenced in BSD Exhibit 62-99, "Gas Dynamics Criteria".**

**Work started on CCN 428 para. 2.16.2.3.3 Initial due per CCN 428 Form -289 Contract**

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**AUTHORITY:** CONTRACT NO. 266, CCN 428, CONTRACT REF. 15.1.1.5, WORK REG. NO., EWA NO.
Title

WS-133B AMR Functional Analysis and Equipment Requirements

Description

Test program functional flow analysis providing an assembly, checkout and test sequence associated with hardware, data and test requirements.

Purpose and Scope

To provide design requirements for test support equipment and logical event phasing for missile processing.

TWI-BSQA 16-10-37, October 17, 1962, says that AMR Fac. Concepts and AMR Design Criteria should be included in this document.

References and Remarks

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- QUARTERLY
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A/V Approval Req:

- YES
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- NEW
- REVISION

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Authority:

- CONTRACT NO.
- CCN
- CONTRACT REF.
- PARA NO.
- W.O. NO.
- WORK PKG NO.
- DFAW NO.
MS-133B Structural Design Study Report - Aerospace Vehicle

DESCRIPTION

Covers mandatory and justified structural changes to the SM 80B to meet SM 80C requirements.

PURPOSE AND SCOPE

To present structural design evaluations of the subsystems for the Wing VI Minuteman configuration.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______ WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______

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FILE NO. ______ 15.1.2.3 ______ W.O. NO. ______ WORK PKG. NO. ______ ERA NO. ______

REV SYM: ______

BOEING NO. _____ D2-30032-1A
**TITLE**

WS-133B Air Borne Instrumentation Design Study Report

**DESCRIPTION**

Covers mandatory and justified changes to the SM-80B instrumentation packages.

**PURPOSE AND SCOPE**

To present the results of a preliminary design study along with Boeing recommendations and conclusions on R & D instrumentation requirements for Wing VI.

**REFERENCES AND REMARKS**

STL Doc. 6120-9128-TU-000, 5-24-2

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**REVISION:**

1-4819-00-3  REV SYM
This report provides the calculated bending modes and frequencies data for the Wing VI Minuteman missile.

These data are required in the design of the missile control systems.

Work started on CCN 428
This document contains the calculated bending modes and frequencies for the Wing VI Minuteman missile. It also contains data that was used in these calculations (i.e. mass and stiffness properties). These calculations are based on more up to date information than was available for the preparation of D2-30023 "SM-80C Structural Dynamics Characteristics - Preliminary" (U).

This document will serve as design information in the design of the missile control system. This document satisfies the contractual requirement of one updating for Missile Bending Modes and Frequencies Document.
Facilities Criteria for WS-133B Launch Facility VAFB (U)

Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the Launch Facilities. Includes: Physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements, and all other peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per AFBSD Exhibit 62-1h9.

To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the VAFB Launch Facilities.

AFBSD Exhibits 62-71 and 62-1h9

ECP Rh

MAINTAINED: ANNUALLY _______ SEMI-ANNUALLY _______ QUARTERLY _______ MONTHLY _______ BI-WEEKLY _______ WEEKLY _______ SINGLE RELEASE _______ AS REQUIRED _______ REVIEWED _______ A/P REQUIRED _______ YES _______ NO _______ A/P APPROVAL REQUIRED _______ YES _______ NO _______ CONFIDENTIAL _______ UNCLASSIFIED _______ NEW _______ REVISION _______

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AUTHORITY: CONTRACT NO. _______ CCN _______ OTHER _______ REVIEW _______ W.O. NO. _______ WORK REQ. NO. _______ TWA NO. _______ REV SYM _______ 2-0015-06-3 _______

BOEING NO. D2-30032-1A

BOEING NO. D2-30032-1A

BOEING NO. D2-30032-1A
Facility Criteria Drawings - Launch Facility - VAFB WS-133B

Contains facilities criteria drawings which establish facilities requirements necessary to ensure compatibility with AGE. Information will include critical dimensions and tolerances beyond normal standard construction practice and other data predicted upon AGE physical configuration weights, loads, tie-down requirements, maneuvering space, etc.

To provide the A-E with detailed information on critical requirements dictated by AGE hardware and weapon system requirements. Provide a source of information for inspection and acceptance of facilities.

AFESD Exhibit 62-71 & 62-149

MAINTAINED: ANNUALLY _______ SEMIANNUALLY _______ QUARTERLY _______ MONTHLY _______ BI-WEEKLY _______ WEEKLY _______ SINGLE RELEASE _______ AS REQUIRED _______

A/P RECORD: YES _______ NO _______ IN-HOUSE RECORD: YES _______ NO _______ A/P APPROVAL RECORD: YES _______ NO _______

CLASSIFICATION: SECRET _______ CONFIDENTIAL _______ UNCLASSIFIED _______ NEW _______ REVISION _______

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WING IX _______ WING X _______ OTHER _______

AUTHORITY: CONTRACT NO. _______ CON _______ CONTRACT REF. _______

PARA. NO. 8-147 _______ W.O. NO. _______ WORK PKG. NO. _______ EA No. _______

REV SYM: _______
**Facilities Criteria for WS-133B Launch Control Facility, VAFB (U)**

**Description:**
Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the Launch Control facilities. Includes: Physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements, and all other peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per AFSBD Exhibit 62-119.

**Purpose and Scope:**
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the VAFB Launch Control Facilities.

**References and Remarks:**
AFBSD Exhibits 62-71 and 62-119

**Maintained:**
Annual _x_ Semi-annual _x_ Quarterly _x_ Monthly _x_ Bi-weekly _x_
Weekly _x_ Single Release _x_ As Required _x_
A/P Review _x_ No _x_ In-House Review _x_
A/P Approval Req'd _x_ As Required _x_ No _x_

**Classification:**
Secret _x_ Confidential _x_ Unclassified _x_ New _x_ Revision _x_

**Document Location:**
Seattle _x_ VAFB _x_ AMX _x_ WMX _x_ PLT 77 _x_ Wing I _x_
Wing II _x_ Wing III _x_ Wing IV _x_ Wing V _x_ Wing VI _x_ Wing VII _x_ Wing VIII _x_ Wing IX _x_ Wing X _x_ Other _x_

**Authority:**
Contract No. _266_ CCN _x_ Contract Ref. _x_
Para. No. _81-7_ W.O. No. _x_ Work Pkg. No. _x_ IPA No. _x_
TITLE
Facility Criteria Drawings - Launch Control Facility - Vandenberg AFB
MS-133

DESCRIPTION
Contains facilities criteria drawings which establish facilities requirements necessary to ensure compatibility with AGE. Information will include critical dimensions, tolerances, and other data predicated upon AGE physical configuration, weights, loads, tie-down requirements, maneuvering space, etc.

PURPOSE AND SCOPE
To provide the A-E with detailed information on critical requirements dictated by AGE hardware and weapon system requirements.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY _________ SEMI-ANNUALLY _________ QUARTERLY _________ MONTHLY _________ BI-WEEKLY _________ WEEKLY _________ SINGLE RELEASE _________ AS REQUIRED _________

A/P REQMT: YES _________ NO _________ IN-HOUSE REQMT: YES _________ NO _________ A/P APPROVAL REQMT: YES _________ NO _________

CLASSIFICATION: SECRET _________ CONFIDENTIAL _________ UNCLASSIFIED _________ NEW _________ REVISION _________

DOCUMENT REQUIRED AT: SEATTLE _________ VAFB _________ AMR _________ CHAMPUTE _________ PLS-77 _________ WING E _________ WING II _________ WING III _________ WING IV _________ WING V _________ WING VI _________ WING VII _________ WING VIII _________ WING IX _________ OTHER _________

AUTHORITY: CONTRACT NO. _________ CCN _________ CONTACT NO. _________
PARA. NO. _________ W/O NO. _________ WORK PKG. NO. _________ EWA NO. _________

REV SYM _________

BOEING NO. D2-30032-1A
SEC. _________ PAGE 210
AMR Program Requirements Document Revisions (U)

DESCRIPTION

Delineates changes to Contractor AMR support data and requirements generated by the Wing VI Block Change Development Program.

PURPOSE AND SCOPE

To collect data and requirements for transmission to BSD/STL as revisions to PR2000, the WS-133B AMR Program Requirements Document.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY _______ SEMI-ANNNUALLY _______ QUARTERLY _______ MONTHLY _______ BI-WEEKLY _______

WEEKLY _______ SINGLE RELEASE _______ AS REQUIRED _______

A/P REQMT: YES X NO _______ IN-HOUSE REQMT YES _______ NO _______ A/P APPROVAL REGD YES X NO _______

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WING II _______ WING III _______ WING IV _______ WING V _______ WING VI _______ WING VII _______ WING VIII _______

WING IX _______ WING X _______ OTHER _______

AUTHORITY: CONTRACT NO. 266 _______ CCN 128 _______ CONTRACT REF. _______

PARA. NO. 722.10.h _______ W.O. NO. _______ WORK Ptg. NO. _______ ERA NO. _______
Sets forth the specific design criteria, excluding the structural design criteria, for the Contractor's equipment, interpreting such specific discipline criteria as Human Engineering, Maintainability, Environments, Interchangeability, Reliability, applicable military specifications, and Subsystem Criteria. Applies, in specific terms, the general requirements set forth in AFBSD Exhibit 52-123, and the included criteria and specifications, for the Boeing OGE Figure A's.

To constitute, together with the Technical Requirements Part of the Figure A and the structural design criteria, the sole end item design criteria for the Operational Ground Equipment.
DATA REQUIREMENT INFORMATION (DRI)

Title

Structural Design Criteria - Operational Ground Equipment - Minuteman Wing VI (U)

Description

Sets forth the specific structural design criteria for the Contractor's equipment, interpreting such specific discipline criteria as Human Engineering, Maintainability, Environments, Interchangeability, Reliability, applicable military specifications and Subsystem criteria. Applies, in specific terms, the general requirements set forth in AFBSD Exhibit 62-123, and the included criteria and specifications for the Operational Ground Equipment.

Purpose and Scope

To constitute, together with the Technical Requirements part of the Figure A and the design discipline document, the sole end item design criteria for the Operational Ground Equipment.

References and Remarks

AF BSD Exhibit 62-123

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REV SYM._________________

Contains master layout drawings, component assembly and packaging techniques, requirements and deviations thereto, preliminary analyses, initial release of applicable ICD's, preliminary electrical design, adjustments and checkout procedures, and an engineering test schedule pertaining to the development of Boeing OGE equipment.

To facilitate the review of the contractor's preliminary design effort by providing supporting development data, completely documenting the design approach.

REFERENCES AND REMARKS

AFBSD Exhibit 62-55
### Preliminary Design Report - Maintenance Ground Equipment - Minuteman Wing VI

**Description:**

Contains master layout drawings, component assembly and packaging techniques, requirements and deviations thereto, preliminary analyses, initial release of applicable ICD's, preliminary electrical design, adjustments and checkout procedures and an engineering test schedule pertaining to the development of the Maintenance Ground Equipment.

**Purpose and Scope:**

To facilitate the review of the contractor preliminary design effort by providing supporting development data, completely documenting the design approach.

**References and Remarks:**

AFBSD Exhibit 61-55.

**Maintenance:**

- **ANNUALLY**
- **SEMI-ANNUALLY**
- **QUARTERLY**
- **MONTHLY**
- **BI-WEEKLY**
- **WEEKLY**
- **SINGLE RELEASE**
- **AS REQUIRED**
- **X**

**A/P Right:**

- **YES**
- **X**
- **NO**

**In-House Right:**

- **YES**
- **NO**

**A/P Approval Eco:**

- **YES**
- **NO**
- **X**

**Classification:**

- **SECRET**
- **CONFIDENTIAL**
- **UNCLASSIFIED**
- **NEW**
- **REVISION**
- **X**

**Document Requested At:**

- **SEATTLE**
- **YAFB**
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- **CHATAN**
- **PLT**
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- **WING III**
- **WING IV**
- **WING V**
- **WING VI**
- **WING VII**
- **WING VIII**
- **WING IX**
- **WING X**
- **OTHER**

**Authority:**

- **Contract No.**
- **266**
- **CCN**
- **CONTRACT REP.**
- **PARA. NO.**
- **2.2**
- **W.O. NO.**
- **WORK Pkg. NO.**
- **EWI NO.**

**Boeing**

- **Doc. No.**
- **D2-30032-1A**

**Page 215**
Equipment - Transportation and Handling, Figure "A" Design Discipline Document

Sets forth the specific design criteria, excluding the structural design criteria for the Contractor's equipment, interpreting such specific discipline criteria as Human Engineering, Maintainability, Environments, Interchangeability, Reliability, Applicable Military Specifications, and Subsystem Criteria. Applies, in specific terms, the general requirements set forth in AFSD Exhibit 62-123, and the included criteria and specifications, for the Transportation and Handling Equipment.

To constitute, together with the Technical Requirements Part of the Figure A and the structural design criteria, the sole end item design criteria for the Transportation and Handling Equipment.

REFERENCES AND REMARKS:

AFSD Exhibit 62-123
WS-133B Transportation and Handling Equipment Preliminary Design Report

Contains master layout drawings, component assembly and packaging techniques, requirements and deviations therefrom, preliminary analyses, initial release of applicable ICDs, preliminary electrical design, adjustments and checkout procedures, and an engineering test schedule pertaining to the development of Boeing Transportation and Handling Equipment.

PURPOSE AND SCOPE

To facilitate the review of the contractor preliminary design effort by providing supporting development data, completely documenting the design approach.

REFERENCES AND REMARKS

APBSD Exhibit 61-55
**Title**

WS-133B Master Technical Data Index

**Description**

A compilation of information concerning Boeing data prepared in compliance with Appendix V to Exhibit D to Letter Contract AF04(69R)-266. Includes:
1. Document number and title
2. Description
3. Statement of purpose and scope
4. Contractual authority

**Purpose and Scope**

To document the information prepared to justify data preparation and to serve as a source of technical abstracts of contractual WS-133B data.

**References and Remarks**

D2-30032-2A indexes supporting noncontractual WS-133B technical data.

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- Kirtland
- Whiteman
- Malmstrom
- Cheyenne
- PEO
- Ft. Bliss
- Textron
- MDA
- Other

REV SYM.

BOEING NO. D2-30032-1A

SECT.

PAGE 210
OOC. NO.

DOCUMENT REOUIREMENf ft DEVELOPMENT NOTICE (DRON)

W-133B Facilities Criteria for Modificationa to AKR

Contains design criteria for modifications to Silo 32A, Blockhouse 32,
and the Missile Assembly Building (MB).

fUIPOSt AND SCOPt

To document those facility modifications required at AMR to support
the Wing VI Block Change Flight Test Program.

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02-30032
PAGE

219

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Grounding Criteria, WS-133B

Establishes electrical grounding criteria for the WS-133B missile, LF and LCF.

PURPOSE AND SCOPE

To attain a system level control of grounding interconnections among electrical and electronic circuits in missile, primary ground support, secondary ground support equipment and earth ground.

REFERENCES AND REMARKS

Boeing's proposed version of AFRSD Exhibit 62-75.

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE AS REQUIRED

A/P REMIT: YES NO IN-HOUSE REMIT: YES NO A/P APPROVAL REQD: YES NO

CLASSIFICATION: SECRET CONFIDENTIAL UNCLASSIFIED NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE VAFB AME CHANUTE PLT 77 WING I
WING II WING III WING IV WING V WING VI WING VII WING VIII WING IX OTHER

AUTHORITY: CONTRACT NO. CCN CONTRACT REF. L/C 8-5-2

PARA. NO. 266 W.O. NO. WORK REQ. NO. IWA NO.
Title: Electro-Interference Control Specification for Electrical/Electronic Equipment

Description:
Delineates the general control disciplines that shall be applied by the cognizant Contractor to the equipment for which a contract has been negotiated.

Purpose and Scope:
To assure the Contracting Agency adequate and timely incorporation of electro-interference control measures into the entire progressive design and development phases for electrical/electronic equipment.

References and Remarks:
Boeing's proposed version of AFRSD Exhibit 62-37 (First Half)

Maintenance:
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

A/P Receipt:
- Yes
- No

In-House Receipt:
- Yes
- No

A/P ApprovalReqd:
- Yes
- No

Classification:
- Secret
- Confidential
- Unclassified
- New
- Revision

Document Required At:
- Seattle
- WING 1
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- Other

Authority:
- Contract No.: 266
- CCN
- Contract Ref.: I/C 5-6-2

Page 221
Electro-Interference Test Specifications for Electrical/Electronic Equipment

Delineates the general test disciplines that shall be applied by the cognizant Contractors to the equipment for which a contract has been negotiated.

PURPOSE AND SCOPE

To assure the Contracting Agency adequate and timely incorporation of electro-interference testing measures into the entire progressive design and development phases for electrical/electronic equipment.

REFERENCES AND REMARKS

Boeing's proposed version of AFBSD Exhibit 62-87 (Last Half).
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 2.3.1
Data Ident. No. D2-30032-IA

Title
Weapon System Requirements and Description, S-133-10
(Introduction, Table of Contents, and Usage Index)

Description
Contains
Section I - Introduction to Document Series
Section II - Table of Contents of Document Series,
Section III - Usage Index

Purpose and Scope
To introduce the reader to the total series of volumes of S-133-10 and to
provide a means of locating information in any part of the document.

References and Remarks
AFBSD Exh 62-123 and 62-62

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Seattle VAFB ANR Chanute Pkt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6

REV SYM_________
DATA REQUIREMENT INFORMATION (DRII)

Contract -266
Item No. 2.3.1

Title
Weapon System Requirements and Description, S-133-10 (Flow Diagrams - Operational)

Description
Contains Section IV - Functional Flow Diagrams

Purpose and Scope
To illustrate in a single-thread fashion, the flow of activities for the Operational Weapon System.

References and Remarks
AFBSD Exhibits 62-123 and 62-62

<table>
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Data Required At:
Seattle, VAFB, AMR, Chantles, FLt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6615-10-6

REV SYM

BOEING NO. D2-30032-1A
SECT. | PAGE 224
Title
Weapon System Requirements and Description, S-133-10 (Flow Diagrams - Vandenberg AFB)

Description
Contains Section V - VAFB Supplement Flows

Purpose and Scope
To illustrate in single-thread fashion, the flow of activities for the VAFB Weapon System.

References and Remarks
AFBSD Exhibits 62-123 and 62-62

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Data Required At:
Seattle WAFB

2-6015-10-6
Title
Weapon System Requirements and Description, S-133-10 (Form B's - Operational)

Description
Contains Section I - Flight Mission
Section II - Maintain Readiness, Monitor and Launch
Section III - On-Site Maintenance
Section IV - Emergency Response
Section V - SNSB Activities
Section VI - Maintain Missile Downstage (MAUS)

Purpose and Scope
To document the analysis of each function shown on the functional flow diagrams and to call out specific equipment (Figure A's) required to perform these functions. Also included are specific facility and personnel requirements where applicable.

References and Remarks
AFBSD Exhibit 62-123 and 62-62

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2-6012-10-6
Title

Weapon System Requirements and Description, S-133-10 (Form B's - Vandenberg AFB)

Description

Contains Section VII - VAFB Supplement Form B's.

Purpose and Scope

To document the analysis of each function shown on the functional flow diagrams and to call out specific equipment (Figure A's) required to perform these functions. Also included are specific facility and personnel requirements where applicable.

References and Remarks

AFBSD Exhibit 62-123 and 62-62

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BOEING NO. D2-30032-1A

REV SYM 2-6815-10-6

SECT. PAGE 227
**DATA REQUIREMENT INFORMATION (DRI)**

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**Title**

Weapon System Requirements and Description, S-133-10
(Figure A's - Operational - AVE-OGS-RPS)

**Description**

Contains
Section I - Aero-Space Vehicle Equipment
Section II - Operational Ground Equipment
Section III - Real Property Installed Equipment (LF/LCF/MLCC)

**Purpose and Scope**

To list functional requirements and design constraints for WS-133B Hardware, AVE and AGE.

**References and Remarks**

AFBSD Exhibits 62-123 and 62-62

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- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

**REV SYM.**

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**BOEING**

**NO.** D2-30032-1A

**SECT.**

**PAGE** 228
Title
Weapon System Requirements and Description, S-133-10
(Figure A's - Operational - MGE-DT&E)

Description
Contains
Section IV - Maintenance Ground Equipment (SYGB)
Section V - Depot Tooling and Test Equipment (MAMS & SRA)

Purpose and Scope
To list functional requirements and design constraints for WS-133B hardware, AVE and AGE.

References and Remarks
AFSSD Exhibits 62-123 and 62-62

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2-6815-10-6

REV SYM._________
DATA REQUIREMENT INFORMATION (DRI)

Title
Weapon System Requirements and Description, S-133-10 (Figure A's - Vandenberg AFB)

Description
Contains Section VI - VAFB Peculiar and Modified Equipment

Purpose and Scope
To list functional requirements and design constraints for WS-133B hardware, AVE and AGE.

References and Remarks
AFBSSD Exhibits 62-123 and 62-62

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DATA REQUIREMENT INFORMATION (DRI)

Contract: D-266
Item No: 2.3.1
Data Ident. No: D2-30054-1A

Title
Weapon System Requirements and Description, S-133-10
(Subsystem Schematic Block Diagrams - Operational)

Description
Contains
Section I - Aero-Space Vehicle Functional System (Flight Mode)
Section II - Launch Facility Functional System (AVE, CGE & RPFE)
Section III - Launch Control Facility Functional Systems (CGE & RPFE)
Section IV - Support Base Functional Systems
Section V - KAMS Functional Systems

Purpose and Scope
An aid in grouping Form B requirements into specific equipment recommendations (Figure A's) and to illustrate the functional operation of equipment in system installed configurations.

References and Remarks
AFBSD Exhibits 62-123 and 62-62

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REV SYM.               BOEING NO. D2-30032-1A
SECT.     PAGE 231
**Title**
Weapon System Requirements and Description, S-133-10  
(Subsystem Schematic Block Diagrams - Vandenberg AFB)

**Description**
Contains  
Section VI - VAFB Subsystems

**Purpose and Scope**
An aid in grouping Form B requirements into specific equipment recommendations (Figure A's) and to illustrate the functional operation of equipment in system installed configurations.

**References and Remarks**
AFBSD Exhibits 62-123 and 62-62

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**Data Required At:**
Seattle VAFB, ANG Chanute PIt 77 Wing I; Wing II; Wing III; Wing IV; Wing V; Wing VI; Other

REV SYM 

2-6035-10-6
**Title**

Weapon System Requirements and Description, S-133-10 (U)
(Form C's and Q's - Operational)

**Description**

Contains:
- Section I - Aero-Space Vehicle Equipment
- Section II - Operational Ground Equipment
- Section III - Real Property Installed Equipment (LF/LCF/MLCC)
- Section IV - Maintenance Ground Equipment (SISB)
- Section V - Depot Tooling and Test Equipment (MMS & SRA)

**Purpose and Scope**

To provide a detailed description of the maintenance requirements that must be satisfied by hardware, facilities, and personnel.

**References and Remarks**

APBSD Exhibits 62-123 and 62-62

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Data Required At:
- Seattle VAFB
- Chanute
- Fort 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

REV SYM

BOEING NO. D2-300032-1A
SECT. PAGE 233
**Title**

Weapon System Requirements and Description, S-133-10 (II)
(Form C's and Cl's - Vandenberg AFB)

**Description**

Contains

Section VI - VAFB Peculiar and Modified Equipment

**Purpose and Scope**

To provide a detailed description of the maintenance requirements that must be satisfied by hardware, facilities, and personnel.

**References and Remarks**

AFBSD Exhibits 62-123 and 62-62

**AF Approval Required**

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Data Required At:

Seattle, VAFD, ANH, Chanute, Ft 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6

REV SYM

BOEING NO. D2-30032-1A

SECT. PAGE 234
**Title**

Weapon System Requirements and Description, S-133-10
(Form D's - Operational)

**Description**

Contains:
- Section I - Operation and Organizational (on-site) Maintenance Technical Manual Requirements
- Section II - Field Level (Support Base) Maintenance Technical Manual Requirements
- Section III - RSIE Maintenance Data Requirements (Organizational and Field Levels)
- Section IV - Depot Level (MAMS & SRA) Maintenance Data Requirements

**Purpose and Scope**

To initially present the technical requirements and contractor recommendations for specific technical manuals. These data may be later used as instruments of procurement.

**References and Remarks**

AFBSD Exhibits 62-123 and 62-62

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2-6815-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: -266
Item No: 2.3.1

Data Ident. No. D2-3004-48

Title
Weapon System Requirements and Description, 5-133-10
(Form D's - Vandenberg AFB)

Description
Contains
Section V - VAFB Operation and Maintenance Technical Manual Requirements

Purpose and Scope
To initially present the technical requirements and contractor recommendations for specific technical manuals. These data may be later used as instruments of procurement.

References and Remarks
AFBSD Exhibit 62-123 and 62-62

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Data Required At:
Seattle, VAFB, ANG, Chanute, Flt 77, Wing I, II, III, IV, V, VI, Other

2-6015-10-6
DATA REQUIREMENT INFORMATION (DRI)

**Title**
- Weapon System Requirements and Description, S-133-10
  (Time Line Forms - Operational - Vandenberg)

**Description**
Contains
- Section I - Flight Mission Time Lines (Flow Diagram 1.0)
- Section II - Ground Operation Time Lines (Flow Diagram 2.0)
- Section III - On-Site Maintenance Time Lines (Flow Diagram 3.0)
- Section IV - Emergency Response Time Lines (Flow Diagram 4.0)
- Section V - Support Base Time Lines (Flow Diagram 5.0)
- Section VI - VAFB Time Lines
- Section VII - VAFB Time Lines

**Purpose and Scope**
To provide data for determining weapon system reaction time and for determining quantities of NRE, personnel, and spares. It further provides information relative to weapon system down times.

**References and Remarks**
AFBSD Exhibit 62-123 and 62-62.

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DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 2.3.1

Title

Weapon System Requirements and Description, S-133-10 (0)
(Maintenance Loading)

Description

Contains
Section I - Maintenance Loading Summaries
Section II - Failure Rate Apportionment Data
Section III - Maintenance Summary and Correlation Data
Section IV - Maintenance Loading Backup Data

Purpose and Scope

To derive equipment quantities (including spares), required personnel quantities, and system down-times for all scheduled and unscheduled maintenance activities.

References and Remarks

AFTSSD Exhibit 62-123 and 62-62

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Data Required At:
Seattle VAFB ART Chanute Prt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No. 2.3.1

Data Ident. No. D2-30032-9

Title

Weapon System Requirements and Description, S-133-10 (U)

Description

Contains
Introduction, Section I - Weapon System Concepts
Subsection IA - Operational Concept
Subsection IB - Maintenance Concept
Section II - Subsystem Operating Diagrams
Section III - Facility Configurations.

Purpose and Scope

To assist the functional analysis and preliminary design effort by providing a graphic picture of the weapon system. Also serves as a vehicle for evaluating system changes. Can be used as an indoctrination tool.

References and Remarks

AFBSD Exhibit 62-62 and 62-123

AF Approval Required

AF Inhouse

Single Release

Updating Required

Security Classification

New Document

Revision Symbol

Scheduled Release

yes

no

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Data Required At:

Seattle VAFB ANR Chanute Plt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6

REV SYM.

BOEING

NO. D2-30032-1A

SECT.

PAGE 23
WS-133B External Insulation Material Properties Document

Defines the material thermal and mechanical properties of the external insulation and motor base area and insulation materials.

PURPOSE AND SCOPE

Provides the qualification test requirements of the AVE less the RV.

REFERENCES AND REMARKS

APBSD Exhibit 62-65

Due 14 days prior to CDE.
The Boeing Company Measurement Requirements for the Wing VI Block Change Program (U)

Instrumentation requirements from each AVE Associate Contractor and the I&TAT Contractor are integrated into a single FTM measurement list.

The list is based on the objectives of the WS-133B flight and the capabilities of the telemetry system.

REFERENCES AND REMARKS

BSQAP-24-1-151/C. Humphrey/B821 dated 1-21-63
Provides inputs on AFSD Exhibit 62-139
As requested by BSD/STL, TX by 2-6813-00-122 dated 12-28-2
Mockup Plan-Launch Operational Complex

Delineates the description of the functional mock-ups, the method of maintaining configurations control the inter-relationship and use by the Associate Contractors and the modification to support A & C/O Startup Program and to incorporate AGE and facilities changes.

To provide plans for operational LF and ICQ mockups and AGE equipment constructed to sufficient production standards to provide optimum assessment of form, fit, interface and functional integrity.

AVE support of the A & C/O Startup Program will be required for the mockup.
This specification describes an airborne instrumentation subsystem which will transmit R&D performance data from the HSM-300 missile.

To provide a vehicle for Air Force acceptance of AVE R&D Instrumentation at AFRL.
Title
Interstage Compartment Venting Study - WS-133B Minuteman (U)

Description
Includes a summary of the study, bibliography, assumed venting environment, venting analysis and results, and the method of analysis.

Purpose and Scope
To present the design and analysis for the compartment venting on the Wing VI Minuteman missile 1-2 and 2-3 interstages, in partial fulfillment of AFBSD Exhibit 62-69 "Gas Dynamics Criteria - WS-133B Minuteman".

References and Remarks
AFBSD Exhibit 62-69

Data Requested At:
Seattle, VAFB, ANR, Chanute, Ft. 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6
Title
Model Specification for Body Section, Guided Missile (S-133-1000-1-25)

Description
This specification sets forth the requirements and tests necessary to define and insure the Section 149 Skirt, Figure A 6950 Revision 6A, for operational missiles.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Section 149 Skirt.

References and Remarks

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Data Required At:
Seattle, VAFB, AMR, Chanute, Ft. 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
DATA REQUIREMENT INFORMATION (DRI)

Title

R&D Variations in Guided Missile Body Section
(S-133-1000-1-25, Addendum 1)

Description

This specification sets forth the requirements and tests necessary to define and insure the Section 49 Skirt, Figure A 6750 Revision 6A, for flight test missiles.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Section 49 Skirt.

References and Remarks

Requirement | AF Approval | Single Release Required | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
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AF Inhouse | yes | no | X | X | U | |

Data Required At:
Seattle, VAFB, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM 2-6815-10-6

NO. D2-30032-1A
Data Requirement Information (DRI)

Contract: 266
Item No. 4-2

Data Ident. No. D2-30062

Title
Model Specification for Body Section, Guided Missile
(S-133-1000-1-26)

Description
This specification sets forth the requirements and tests necessary to define and insure the Interstage 1-2, Figure A 6750 Revision 6A, for operational missiles.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Interstage 1-2.

References and Remarks

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Data Required At:
Seattle VAFB AMR Chanute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM __________________

Boeing | NO. D2-30032-1A
SECT. | PAGE 247
DATA REQUIREMENT INFORMATION (DBI)

Contract. -266
Item No. 1.2

Data Idn. No. D2-30032-1

Title
R&D Variations in Guided Missile Body Section
(S-133-1000-1-26, Addendum 1)

Description
This specification sets forth the requirements and tests necessary to define and insure the Interstage 1-2, Figure A 6750 Revision 6A, for flight test missiles.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Interstage 1-2.

References and Remarks

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Data Required At:
Seattle VAFB AIR Force
Chantilly Ft 77 Wing I; Wing II; Wing III; Wing IV; Wing V; Wing VII; Other

2-5615-10-6

REV SYM ____________
Model Specification for Body Section, Guided Missile (S-133-1000-1-27)

This specification sets forth the requirements and tests necessary to define and insure the Interstage 2-3, Figure A 6550 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of Interstage 2-3.

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2-6015-10-6
Title
RLD Variations in Guided Missile Body Section
(S-133-1000-1-27, Addendum 1)

Description
This specification sets forth the requirements and tests necessary to define and insure the Interstage 2-3, Figure A 6550 Revision 6A, for flight test missiles.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Interstage 2-3.

References and Remarks

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Data Required At:
Seattle VAFB AMR Chanute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM
Title
Specification - Launch Operational System
(S-133-110-0-5)

Description
Sets forth the requirements and tests necessary to define and ensure an operating system made up of interconnecting subsystems and equipment.

Purpose and Scope
Requirements peculiar to Vandenberg AFB will be submitted as an addendum, including the equipment and acceptance tests necessary for CTLI.

References and Remarks

- Requirement: Specification - Launch Operational System
- Approval Required: no
- Single Release: Only
- Updating Required: no
- Security Classification: U
- New Document: no
- Revision Symbol: no
- Scheduled Release: no

Data Required At:
- Seattle
- VAFB
- Chanute
- Ft. 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

REV SYM: 2-6815-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No.: 42

Data Ident. No.: D2-30055-1

Title
Specification - Launch Operational System (S-133-110-0-5), Addendum 1 (VAFB)

Description
Presents the additions, deletions, and changes to the basic operational specification (S-133-110-0-5) necessary to define the Launch Operational System at Vandenberg AFB.

Purpose and Scope
To constitute, together with the basic operational specification, a complete description of the technical requirements for the Launch Operational System at VAFB.

References and Remarks

Requirement | AF Approval Required | Single Release Required | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
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AF Inhouse | yes | no | | | | | |

Data Required At:
Seattle: VAFB
Chanute: Fit 77
Wing I: Wing II: Wing III: Wing IV: Wing V: Wing VI: Other

REV SYM:___

BOEING NO. D2-30032-1A
SECT. PAGE 252
Title
Specification - Launch Facility Subsystem (S-133-111-0-5)

Description
Sets forth the technical requirements and tests necessary to define an operating Launch Facility.

Purpose and Scope
Requirements peculiar to Vandenberg AFB will be submitted as an addendum.

References and Remarks

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Data Required At:
Seattle, VAFB, AMR, Chanute, PI, 77th Wing, II Wing, III Wing, IV Wing, V Wing, VI Wing, Other

4-8015-10-6
Title
Specification - Launch Facility Subsystem (S-133-111-0-5), Addendum 1 (VAFB)

Description
Presents the additions, deletions, and changes to the basic operational specification (S-133-111-0-5) necessary to define the Launch Facility Subsystem at VAFB.

Purpose and Scope
To constitute, together with the basic operational specification, a complete description of the technical requirements for the LF Subsystem at VAFB.

References and Remarks
**DATA REQUIREMENT INFORMATION (DRI)**

**Contract.** 266  
**Item No.** L-2  
**Data Ident. No.** D2-30067

**Title**  
Specification - Launch Control Facility Subsystem (S-133-112-0-5)

**Description**  
Sets forth technical requirements and tests necessary to define and ensure proper functioning of the different kinds of Launch Control Facilities within a Wing.

**Purpose and Scope**  
Requirements peculiar to Vandenberg AFB will be submitted as an addendum.

**References and Remarks**

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Data Required At:  
Seattle, VAFB, AHR, Chanute, Pit 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6

REV SYM.

BOEING | NO. D2-30032-1A
SECT. | PAGE 235
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**References and Remarks**

Data Required At:
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- ANF
- Chanute Plt 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6815-10-6

REV SYM

---

**Title**

Specification - Launch Control Facility Subsystem (S-133-112-0-5) Addendum 1 (VAFB)

**Description**

Presents the additions, deletions, and changes to the basic operational specification (S-133-112-0-5) necessary to define the Launch Control Facility Subsystem at Vandenberg AF3.

**Purpose and Scope**

To constitute, together with the basic operational specification, a complete description of the technical requirements for the LCF Subsystem at VAFB.
DATA REQUIREMENT INFORMATION (DRI)

Contract: -265
Item No.  4.2
Data Ident. No.  D2-30068

Title
Specification Strategic Missile Support Base (S-133-120-0-5)

Description
Sets forth the Maintenance Ground Equipment facilities and present necessary
tests required to insure proper functioning of the support base for one
operational wing. Does not include the Munitions Facility.

Purpose and Scope
Requirements peculiar to Vandenberg AFB will be submitted as an addendum.

References and Remarks

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<th>New Document</th>
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Data Required At:
Seattle, VAFB, AMR, Chanute, MAT, 77th Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-68735-10-6

REV SYM:__________       BOEING NO.  D2-30033-1A
SECT.       PAGE 257
DATA REQUIREMENT INFORMATION (DRI)

Contract: -256
Item No.: 4.2

Data Ident. No. D2-30032-1

Title
Specification - Strategic Missile Support Base (S-133-120-0-5) Addendum 1 (VAFB)

Description

Presents the additions, deletions, and changes to the basic operational specification (S-133-120-0-5) necessary to define the Strategic Missile Support Base at VAFB.

Purpose and Scope

To constitute, together with the basic operational specification, a complete description of the technical requirements for the SMSB at VAFB.

References and Remarks

Requirement AF Approval Single Updating Security New Revision Scheduled
AF Inhouse Required Release Required Classification Document Symbol Release

X yes X X U X

Data Required At:
Seattle VAFB Air Force Chanute Plt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

X X

2-6815-10-6

REV SYM

BOEING NO. D2-30032-1A

SECT. PAGE 258
**WS-1338 External Insulation Subsystem Development Plan**

**DESCRIPTION**

A statement of the objectives to be pursued and the methods to be followed in the development of the Wing VI External Insulation Subsystem.

**PURPOSE AND SCOPE**

To permit timely evaluation of the conception of the External Insulation Subsystem Development and to act as a guide to the Contractor in the fulfillment of the development plan.

**REFERENCES AND REMARKS**

MAINTAINED: ANNUALLY __________ SEMI-ANNUALLY __________ QUARTERLY __________ MONTHLY __________ BI-WEEKLY __________ WEEKLY __________ SINGLE RELEASE __________ AS REQUIRED __________

A/P REReviewed: YES __________ NO __________ IN-HOUSE REVIEW __________ YES __________ NO __________ A/P APPROVAL REQUIRED __________ YES __________ NO __________

CLASSIFICATION: SECRET __________ CONFIDENTIAL __________ UNCLASSIFIED __________ RADIO __________ NEW __________ REVISION __________

DOCUMENT REQUIRED AT: SEATTLE __________ VAFB __________ AHE __________ CHANUTE __________ PLT 77 __________ WING I __________ WING II __________ WING III __________ WING IV __________ WING V __________ WING VI __________ WING VII __________ WING VIII __________ WING IX __________ OTHER __________

AUTHORITY: CONTRACT NO. __________ CCN __________ CONTRACT REF. __________ L/C __________

PARA. NO. __________ W.D. NO. __________ WORK PG. NO. __________ E/WA NO. __________

REV 3-SYM __________

**BOEING** NO. D2-30032-1A
Test Program Plan for Boeing Supplied Equipment - HSM-80C

Description

Provides a summary of test plans for structural development and confirmation of section 45, 47, and 49. Includes Ordnance joint evaluation, static, dynamic and staging tests.

Purpose and Scope

To describe how testing will be accomplished to support the PTM program. Covers the R&D Instrumentation Subsystem.

References and Remarks

Maintained: Annually ________ Semi-Annually ________ Quarterly ________ Monthly ________ Bi-Weekly ________ Weekly ________ Single Release ________ As Required ________

A/F room: Yes X No ________ In-House Room: Yes _____ No ________ A/F Approval Req: Yes X No ________

Classification: Secret ________ Confidential ________ Unclassified X ________ New ________ Revision ________

Document Required At: Seattle ________ VAFB ________ AMF ________ Chanute ________ PLT 77 ________ Wing I ________

Wing II ________ Wing III ________ Wing IV ________ Wing V ________ Wing VI ________ Wing VII ________ Wing VIII ________

Wing IX ________ Wing X ________ Other ________

Authority: Contract No. ________ CEN ________ Contract Ref. ________

Para. No. ________ W.O. No. ________ Work Reg. No. ________ EWA No. ________

REV SYM ________ BOEING NO. D2-30032-1A
WS-133B Assembly and Checkout Startup Program Plan

Covers the activities of certifying the Weapon System Assembly and Checkout procedures training of Assembly and Checkout personnel and compliance with AFBSD Exhibit 62-46.

Purpose and Scope

Program Plan for verification of Assembly and Checkout procedures and compliance with 62-46 and the training of contractor personnel for the Assembly and Checkout tasks, to be performed at VAFB and the operational Wing VI facilities, conducted at Seattle during the Startup Program.

References and Remarks

AFBSD Exhibit 62-46
**TITLE:**
MS-1333 Study Plan - Re-Entry Vehicle - Stage III/G&C Separation Study

**DESCRIPTION:**
A plan to study through analytical analysis and tests to establish the Re-Entry Vehicle - Stage III/G&C Separation Characteristics.

**PURPOSE AND SCOPE:**
To determine the impulse, velocities, trajectories, dynamics and disturbance of R/V and Penetration Aids caused by thrust termination, thrust reversal, squib action, retro-rockets, etc.

**REFERENCES AND REMARKS:**

**MAINTAINED:**

- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

**A/P REQMT:**

- YES
- NO

**IN-HOUSE REQMT:**

- YES
- NO

**A/P APPROVAL REQMT:**

- YES
- NO

**CLASSIFICATION:**

- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- REVISION

**DOCUMENT REQUIRED AT:**

- SEATTLE
- VAPE
- AOE
- CHANUTE
- PLT 77
- WING I
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- WING IV
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- WING VII
- WING VIII
- OTHER

**AUTHORITY:**

- CONTRACT NO.
- CCN
- CONTRACT REF.
- W/NO.
- WORK PEG. NO.
- EA/RA NO.
- BOEING NO. D2-30002-1A

**REV SYM:**

- 3-611-60-3

- SEC.

- PAGE 262
Facilities Criteria for the WS-133B Launch Facility - Operational

Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the Launch Facilities. Includes:

Physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements and all other peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per APBSD Exhibit 62-149.

To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Wing VI Launch Facilities.

APBSD Exhibits 62-71
62-149

ECP B4

MAINTAINED: ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______ WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______

A/P REQMT: YES X NO ______ IN-HOUSE REQMT: YES ______ NO ______ A/P APPROVAL REQD: YES X NO ______

CLASSIFICATION: SECRET ______ CONFIDENTIAL ______ UNCLASSIFIED ______ NEW ______ REVISION ______

DOCUMENT REQUIRED AT: SEATTLE ______ VAFS ______ AME ______ CHALUTE ______ PLT 77 ______ WING I ______

WING II ______ WING III ______ WING IV ______ WING V ______ WING VI ______ WING VII ______ WING VIII ______

WING IX ______ WING X ______ OTHER ______

AUTHORITY: CONTRACT NO. ______-266 ______ CCN ______ CONTRACT REF. ______

PARA. NO. ______ 8-1-7 ______ W.O. NO. ______ WORK PG. NO. ______ ERA NO. ______

REV SYM ______
Facility Criteria Drawings - Launch Facility - Operational WS-133B

DESCRIPTION
Contains facilities criteria drawings which establish facilities requirements necessary to ensure compatibility with AGE. Information will include critical dimensions, tolerances, and other data predicated upon AGE physical configuration, weight, loads, tie-down requirements, maneuvering space, etc.

PURPOSE AND SCOPE
To provide the A-E with detailed information on critical requirements dictated by AGE hardware and weapon system requirements.

REFERENCES AND REMARKS
ECP Bl

MAINTAINED:
ANNUALLY  □  SEMI-ANNUALLY  □  QUARTERLY  □  MONTHLY  □  BI-WEEKLY  □
WEEKLY  □  SINGLE RELEASE  □  AS REQUIRED  □

A/P REOMT
YES  □  NO  □  IN-HOUSE REOMT  YES  □  NO  □
AP APPROVAL REOMT  YES  □  NO  □

CLASSIFICATION:
SECRET  □  CONFIDENTIAL  □  UNCLASSIFIED  X

DOCUMENT REQUIRED AT:
SEATTLE  □  VAPB  □  AMP  □  CHANUTE  □  PLT 77  □  WING I  □
WING II  □  WING III  □  WING IV  □  WING V  □  WING VI  □  WING VII  □  WING VIII  □
WING IX  □  WING X  □  OTHER  □

AUTHORITY:
CONTRACT NO.  □  0266  □
CONTRACT REP.  □

PARA. NO.  □
W.O. NO.  □
WORK PKG. NO.  □
EWA NO.  □
Facilities Criteria for the VS-133B Launch Control Facility - Operational (U)

Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the Launch Control Facilities. Includes: Physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements, and all other peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per AFESD Exhibit 62-149.

To provide the design criteria needed by an Architect-Engineer (A-E) to prepare construction drawings and specifications for the Wing VI Launch Control Facilities.

AFESD Exhibits 62-71
62-149

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE AS REQUIRED X

A/E RECOMMENDATION: YES NO IN-HOUSE RECOMMENDATION: YES NO A/E APPROVAL RECOMMENDATION: YES NO

CLASSIFICATION: SECRET X CONFIDENTIAL UNCLASSIFIED NEW REVISION

DOCUMENT REQUEST: BOEING - 266 SIC - 8.1.7 W.O. NO. WORK PKG. NO. EMA NO.

AUTHORITY: CONTRACT NO. 6.1.7 CCN CONTRACT REF. W.T. NO. CONTACT

3-6010-09-3 REV SYMBOL

BOEING NO. D2-30032-1A
**TITLE**

Facilities Criteria Drawings – Launch Control Facility – Operational WS-133B

**DESCRIPTION**

Contains facilities criteria drawings which establish facilities requirements necessary to ensure compatibility with AGE. Information will include critical dimensions, tolerances, and other data predicated upon AGE physical configuration, weight, loads, tie-down requirements, maneuvering space, etc.

**PURPOSE AND SCOPE**

To provide the A-E with detailed information on critical requirements dictated by AGE hardware and weapon system requirements.

**REFERENCES AND REMARKS**

ANNUALLY | SEMI-ANNUALLY | QUARTERLY | MONTHLY | BI-WEEKLY |
----------|---------------|-----------|---------|-----------|
WEEKLY | SINGLE RELEASE | AS REQUIRED | X |

A/E REQUEST | YES | NO | IN-HOUSE REQUEST | YES | NO | A/E APPROVAL | YES | NO |

CLASSIFICATION: SECRET | CONFIDENTIAL | UNCLASSIFIED | X | NEW | REVISION |

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2-8815-99-1

REV SYM | BOEING | PAGE 266 | D2-30032-1A
Facilities Criteria for the WS-133B Strategic Missile Support Base - Operational

Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the SMSB. Includes: Physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangement and all other peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per AFBSD Exhibit 62-149.

PURPOSE AND SCOPE

To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the SMSB at Wing VI.

REFERENCES AND REMARKS

AFBSD Exhibits 62-71
62-149
Title
Facilities Criteria for WS-133B SNSB, Grand Forks AF B Supplement

Description
Contains facilities design criteria peculiar to the Wing VI Grand Forks SNSB siting requirements. In its final form this document will site adapt the general SNSB criteria document (D2-30083-1).

Purpose and Scope
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Wing VI SNSB at Grand Forks AFB.

References and Remarks
AFBSD Exhibits 62-71 and 62-119

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Data Required At:
Seattle VAFB ANR Chanute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6

REV SYM

BOEING NO. D2-30032-1A
SECT. PAGE 268
**Title**

WS-133B Human Engineering Plan

**Description**

Sets forth the organizations and procedures of the contractor adopted to comply with such human engineering requirements of AFBSD Exhibit 61-99 as administering: System and Task Analyses, Equipment Detail, Layout and System Design; Studies and Functional Tests.

**Purpose and Scope**

To delineate the organizations and procedures adopted by the contractor in order to assure that compliance with Human Engineering criteria will be reflected in the system.

**References and Remarks**

AFBSD Exhibits 61-99 and 62-79

MIL-STD-803

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**Data Required At:**

Seattle, VAFB, ANR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

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REV SYM

BOEING

NO. D2-30032-1A

SECT. 269
WS-133B AMR Test Program Plan (U)

Provides the plan for the implementation and conduct of the HSM-80C Flight Test Program at AMR. It identifies the existing facilities to be modified to the Wing VI configuration, lists the objectives of the various tests and defines how these objectives will be met.

To provide basic program information necessary for management control by outlining task responsibilities, procedures and criteria against which program performance will be measured.

MAINTAINED: ANNUALLY  | SEMI-ANNUALLY | QUARTERLY | MONTHLY | B-WEEKLY | WEEKLY | SINGLE RELEASE | AS REQUIRED

A/P REOUIRY: YES  | NO  | IN-HOUSE REOUIRY: YES  | NO  | A/P APPROVAL ReqD: YES  | NO

CLASSIFICATION: SECRET  | CONFIDENTIAL  | UNCLASSIFIED  | NEW  | REVISION

DOCUMENT REQUIRED AT: SEATTLE  | VAFB  | AMR  | CHAMPAIGN  | PLT 77  | WING 1

WING II  | WING III  | WING IV  | WING V  | WING VI  | WING VII  | WING VIII  | WING IX  | WING X  | OTHER

AUTHORITY: CONTRACT NO.  | 266  | CCN  | CONTRACT REP.

PARA. NO.  | 7.2.2.9  | W.O. NO.  | WORK PROG. NO.  | ERA NO.
DATA REQUIREMENT INFORMATION (DRI)

Contract. 266
Item No. 18.1.2.3

Data Ident. No. D2-30090

Title
WS-133B Assembly and Checkout Startup Program SIP

Description
Based upon Associate Contractor program requirements. Describes the working relationship of the Associate Contractors.

Purpose and Scope
To define Associate Contractor interrelationships and support for the subject program. Includes Associate Contractor's interfaces during and in support of Mock-up Phase of program.

References and Remarks

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REV SYM ____________

BOEING NO. D2-300021-A

SECT. PAGE 271
Title: WS-133B Structural Design Criteria for Transportation and Handling Equipment

Description:
Contains Structural Design Criteria, Design Limit Loads and Dynamic Requirements for each item of Boeing furnished Transportation and Handling Equipment.

Purpose and Scope:
Covers only new or modified hardware for WS-133B.

References and Remarks:

Maintenance:
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

A/P Digest:
- Yes
- No
- In-House Digest

A/P Approval
- Yes
- No

Classification:
- Secret
- Confidential
- Unclassified

Document Required At:
- Seattle
- VAFS
- AME
- CHANUTE
- PLT 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Wing VII
- Wing VIII
- Wing IX
- Wing X
- Other

Authority:
- Contract No.
- CCN
- Contract Ref.
- L/C 8-6-2

Boeing No. D2-30032-1A
Rev. 272
Title
Assembly and Checkout System Requirements - Wing VI

Description
Details the requirements for conducting an integrated Assembly and Checkout operation for a complete Wing.

Contains a functional analysis of the Assembly and Checkout tasks for an operational base; includes checkout and activation requirements for the CSA, LF, LCP, and SMSB.

Purpose and Scope
This document, developed as a result of analyses of subsystem and end-item integration, shall prescribe the level of subsystem and equipment tests, test and assembly equipment and personnel necessary to demonstrate acceptance model specification compliance in conformance with AFM Exhibit 60-30.

References and Remarks

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REV SYM. ____________________________  NO. D2-30032-1A

SECT.  PAGE 273
Assembly and Checkout System Requirements - VAFB

Details the requirements for conducting an integrated Assembly and Checkout operation for the VAFB.

This document contains a functional analysis of the Assembly and Checkout tasks for the VS-133B facilities at Vandenberg AFB, and includes checkout and activation requirements for the CSF, LF, LCF, and SMSF.

This document developed as a result of analyses of subsystem and end-item integration shall prescribe the level of subsystem and equipment tests, test and assembly equipment and personnel necessary to demonstrate acceptance model specification compliance in conformance with AFBM Exhibit 60-30.
WS-133B Assembly and Checkout Startup Program Data and Support Requirements (U)

To establish the support requirements for conducting the Assembly and Checkout Startup Program. Included in the document will be the space, special services, power, environmental conditions, communications, transportation, and other required support facilities and services.

Purpose and Scope

This document establishes the requirements for space, special services, power and other facilities for the support of the A&C0 Startup Program in accordance with Task 18.7.2.5 of Letter Contract AFO(69U)-266.

References and Remarks

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2-6815-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No. 1.2

Data Ident. No. D2-30108

Title
Model Specification Semi-Trailer Guidance Control Re-Entry Vehicle (S-133-121-2-1-30)

Description
This specification sets forth the requirements and tests necessary to define and insure the Semi-Trailer Guidance Control Re-Entry Vehicle, Figure A No.24, Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Semi-Trailer Guidance Control Re-Entry Vehicle.

References and Remarks
AFBSD Exhibit 62-123

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Data Required At:
Seattle, VAFB, ANG, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6

REV SYM
BOEING
SECT. PAGE 276
Title

Model Specification - Carriage, Rocket Motor, Second Stage (S-133-121-1-83)

Description

This specification sets forth the requirements and tests necessary to define and insure the Carriage, Rocket Motor Second Stage, Figure A 1120 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Carriage, Rocket Motor, Second Stage.

References and Remarks
**Title:** GTM Requirements

**Description:**
Outlines the GTM program plan and lists the detail requirements for the AVE hardware for the Wing VI R&D and Operational Programs.

**Purpose and Scope:**
To list the schedules for GTM assembly, site usage, hardware configuration requirements, detail instrumentation requirements and possible usage of modified GTM's for the WS-133A Program.

**References and Remarks:**

6650.3.35G1

**Maintenance:**
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- Bi-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

**A/P REQMT:**
- YES
- NO

**In-House Reqmt:**
- YES
- NO

**A/P Approval Reqmt:**
- YES
- NO

**Classification:**
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED

**Document Required At:**
- SEATTLE
- VAPE
- AMR
- CHAPELE
- P1T.77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**Authority:**
- CONTRACT NO. 666
- CCN
- CONTRACT REP.
- PARA. NO. 6.6.1
- W.O. NO.
- WORK REG. NO.
- FWA NO.
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 6.5.1

Title
HSM-80C Mockup Plan

Description
A document defining scope, purpose, implementation, responsibilities, and schedules for construction of non-functional airborne vehicle mockups to support AMR and Plant 77.

Purpose and Scope
Defines all associate contractor's responsibilities in support of the Wing VI AVE mockup program. Provides record of mockup numbers, types, changes and schedules. Provides criteria for implementation and sustenance of mockups.

Requirements

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2-6815-10-6
Title

WS-133B Model Specification Distribution Box (S-133-111-1-79)

Description

This specification sets forth the requirements and tests necessary to define and insure the Distribution Box, Figure A 1337 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Distribution Box.

References and Remarks

Requirement | AF Approval Required | Single Release Only | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
---|---|---|---|---|---|---|---
AF I House | yes | no | X | U | | | 

Data Required At:

WS-133B Model Specification Cable Assembly Set Launcher (S-133-111-1-75)

This specification sets forth the requirements and tests necessary to define and insure the Cable Assembly Set Launcher, Figure A 1248 Revision 5A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Cable Assembly Set Launcher.

References and Remarks

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Data Required At:
Seattle VAFB 777 Chateau Pit 77 Wing I, II, III, IV, V, VI, VII, Other

REV SYM
Identification Specification, Adapter, Ring, Missile Support (S-133-111-1-76)

This specification sets forth the requirements and tests necessary to define and insure the Adapter, Ring, Missile Support, Figure A 1252, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Adapter, Ring, Missile Support.
Title
Model Specification Shock Absorber Set ** (LER)
S-133-111-1-81

Description
This specification sets forth the requirements and tests necessary to define and ensure the Shock Absorber Set ** (LER), Figure A 5006 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Shock Absorber Set ** (LER).

References and Remarks
*Type designator will appear after proper name when it is received from the customer.
DATA REQUIREMENT INFORMATION (DRI)

Contract. 266
Item No. 42
Data Ident. No. D2-30126

Title
Model Specification Absorber Set * (LCC)
S-133-112-1-100

Description
This specification sets forth the requirements and tests necessary to define and ensure the Absorber Set * (LCC), Figure A 11.21 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Absorber Set * (LCC).

References and Remarks
*Type designator will appear after proper name when it is received from the customer.

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Data Required At:
Seattle, WAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6

REV SYM

BOEING

NO. D2-30032-1A

SECT.

PAGE 284
**DATA REQUIREMENT INFORMATION (DRI)**

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**Title**

Model Specification Shock Absorber Set (LCEB) S-133-112-1-102

**Description**

This specification sets forth the requirements and tests necessary to define and ensure the Shock Absorber Set (LCEB) Figure A 5007 Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Shock Absorber Set (LCEB).

**References and Remarks**

*Type designator will appear after proper name when it is received from the customer.*

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**Data Required At:**

Seattle, VAFB, AFH, Chateau, P I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6

REV SYM.  

BOEING NO. D2-30032-1A

SECT.  

PAGE 265
Model Specification Shock Absorber Set * (LEB) (S-133-111-1-82)

This specification sets forth the requirements and tests necessary to define and insure the Shock Absorber Set * (LEB), Figure A 5008 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Shock Absorber Set * LEB.

References and Remarks

* Type designator will appear after proper name when it is received from the customer.

Maintained: Annually __________ Semi-Annually __________ Quarterly __________ Monthly __________ Bi-Weekly __________

Weekly __________ Single Release __________ As Required __________

A/9 Request: Yes __________ No __________ In-House Request: Yes __________ No __________ A/9 Approval Required: Yes __________ No __________

Classification: Secret __________ Confidential __________ Unclassified __________ New __________ Revision __________

Document Required At: Seattle __________ VAF __________ AME __________ CHAAL __________ PLT __________ WING __________

WING II __________ WING III __________ WING IV __________ WING V __________ WING VI __________ WING VII __________ WING VIII __________

WING IX __________ WING X __________ Other __________

Authority: Contract No. 46-2 __________ CCN __________ Contract Ref. __________

Para. No. 2-30129 __________ W.O. No. __________ Work Pkg. No. __________ EWA No. __________
Identification Specification Wrench Assembly, Socket Safing Pin
(S-133-121-2-1-31)

This specification sets forth the requirements and tests necessary to define and insure the Wrench Assembly, Socket Safing Pin, Figure A 4047 Revision 6A.

To provide a vehicle for the Air Force Acceptance of the Wrench Assembly Socket Safing Pin.
Title
Model Specification Valve, Safety, Ventilation *(LEB)
S-133-111-1-83

Description
This specification sets forth the requirements and tests necessary to define and ensure the Valve, Safety, Ventilation *(LEB), Figure A 5000 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Valve, Safety, Ventilation *(LEB).*

References and Remarks
*Type designator will appear after proper name when it is received from the customer.*
Title
Model Specification Plumbing Set, Guidance and Control, Ground Cooling (S-133-l11-l-78)

Description
This specification sets forth the requirements and tests necessary to define and insure the Plumbing Set, Guidance and Control Ground Cooling, Figure A 1318, Revision 6a.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Plumbing Set, Guidance and Control, Ground Cooling.

References and Remarks

Data Required At:
Seattle, VAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
Title

Model Specification Support, Missile, Suspension and Alignment System (S-133-111-1-85)

Description

This specification sets forth the requirements and tests necessary to define and insure the Support, Missile, Suspension and Alignment System, Figure A 1322, Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Support, Missile, Suspension and Alignment System.

References and Remarks

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Data Required At:
Seattle; VAFB; AMR; Qanute; F117; Wing I; Wing II; Wing III; Wing IV; Wing V; Wing VI; Other

2-5815-10-6
Modal Specification Valve, Safety, Ventilation *(LCEB) (S-133-112-1-103)

This specification sets forth the requirements and tests necessary to define and insure the Valve, Safety, Ventilation, *, LCEB, Figure A 1118 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Valve, Safety, Ventilation *, (LCEB).

References and Remarks

* Type designator will appear after proper name when it is received from the customer.

Maintained: Annually __________ Semi-Annually __________ Quarterly __________ Monthly __________ Bi-Weekly __________ Weekly __________ Single Release __________ As Required __________

A/P Reqs.: Yes __________ No __________ In-House Reqs.: Yes __________ No __________ A/P Approval Req.: Yes __________ No __________

Classifications: Secret __________ Confidential __________ Unclassified __________ New __________ Revision __________

Document Required At: Seattle __________ VAF __________ AM __________ CHANUT __________ PLT 77 __________ WING I __________

WING II __________ WING III __________ WING IV __________ WING V __________ WING VI __________ WING VII __________ WING VIII __________

WING IX __________ WING X __________ OTHER __________

Authority: Contract No. 866 __________ Contract Eff. __________

Page 291
Model Specification Pumping Unit, Hydraulic *(LCB) (S-133-112-1-10h)

This specification sets forth the requirements and tests necessary to define and insure the Pumping Unit, Hydraulic *(LCB), Figure A 1432 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Pumping Unit, Hydraulic *(LCB).

REFERENCES AND REMARKS

* Type designator will appear after proper name when it is received from the customer.
Title
WS-1338 ANR Test Directive, Section III

Description
Section III includes test plans and procedures necessary to prepare missile for launch (by description or reference) final test objectives and internal measurement requirements, missile configuration to component level, description of test data displays and channel assignments, data distribution requirements and any other special requirements.

Purpose and Scope
This document will have volumes added to account for applicability to various missiles.

References and Remarks
This document will be submitted 1 month prior to MAB delivery of the GTM or FTM to which it applies.

*1 through -26 (25 FTMs and 1 GTM)
(-2 through -26 will be used for FTMs 1 through 25)

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Data Required At:
Seattle VAFB ANR Chanute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM_________
Data Requirement Information (DRI)

Contract: -266
Item No.: 17.5

Title
Weight and Balance Status Report - Wing VI (U)

Description
This is the first in a series of monthly reports covering the status of mass data on Boeing Wing VI hardware. Both operational and R&D hardware configurations shall be described in the report series. Current Boeing Wing VI operational hardware weights are summarized. The heat protection data used in this report have been based upon criteria defined by D2-30027-1 and D2-30031. The weight data were derived upon best estimates and Wing II experience.

Purpose and Scope
To provide BSD/STL current weight information in order to permit accurate predictions of missile performance; encompasses Wing VI operational and R&D hardware configurations.

References and Remarks
*1 issued March 8, 1963.

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Seattle, VAFB, AB, Canute, Flt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6
**Model Specification Guided Missile, Main Assemblage (S-133-1000-0-2)**

**Description**

This specification sets forth the requirements and tests necessary to define and insure the Guided Missile, Main Assemblage, Figure A 6050 Revision 6A.

**Purpose and Scope**

To provide a vehicle for the Air Force acceptance of the Guided Missile, Main Assemblage.

**References and Remarks**

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**Data Required At:**

Seattle, VAFB, AMR, Grand Forks, FLI 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM ___________  BOEING NO. D2-30032-1A  SECT. PAGE 295
Title
Model Specification R&D Prototypes for Wing VI Missiles
(S-133-1000-0-2)

Description
This specification sets forth the requirements and tests necessary to define and insure the Guided Missile, Main Assemblage for R&D Flight Test Missiles.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Guided Missile, Main Assemblage for R&D Flight Test Missiles.

References and Remarks

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2-6815-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 1.2

Data Ident. No. D2-30150-3

Title
R&D Addenda to Model Specification S-133-1000-0-1 (D2-30150-1) - Telemetry Outputs

Description
Specifies channel error tolerances, PCM/FM system channel accuracy, and FM/FM system accuracy and linearity for R&D HSM-80C missiles.

Purpose and Scope
To provide requirements for telemetry measurements to be made on each R&D HSM-80C missile.

References and Remarks

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Data Required At:
Seattle, VAFB, Anr, Chanute, Ft. 77, Wing 1, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

X

2-6815-10-6
Title
WS-133B Model Specification AC-DC Converter, Launcher (S-133-111-1-86)

Description
This specification sets forth the requirements and tests necessary to define and insure the Launcher AC-DC Converter, Figure A 5002 Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Launcher AC-DC Converter.

References and Remarks
Identification Specification Insulation Components, Formed, Thermal Fastener and Assembly Joint (S-133-1000-1-31)

This specification sets forth the requirements and tests necessary to define and insure the Formed Thermal Fasteners and Assembly Joint Insulation Components, Figure A 605h Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Formed Thermal Fasteners and Assembly Joint Insulation Components.
Title

Electro-Interference Control Plan for WS-133B

Description

Defines the design, equipment tests, and system tests progression that will be used on WS-133B. Provides gross milestones for overall E-I activities.

Purpose and Scope

Define to the Customer and to Management the overall control plans to be implemented by Boeing to assure final delivery and acceptance of both equipment and systems void of E-I degradation.

References and Remarks

AFBSD 62-87

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Data Required At:
Seattle VAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6
Title

Electro-Interference Test Plan for WS-133B Equipment

Description

Delineates the extent and details of the equipment level electro-interference test program. This document will include the test requirements for all Figure "A's" designated for ultimate use on the WS-133B program to assure acquisition of data required to perform MIL-E-6051C testing.

Purpose and Scope

To provide all associate contractors direction by which they will plan detailed tests on equipment.

References and Remarks

Due 30 days before start of test.
Electro-Interference Test Objectives for the WS-133B Program - Atlantic Missile Range Complex

Establishes and defines test objectives, success criteria and data accumulation requirements needed to demonstrate actual system ability to perform in its installed environment successfully without degradation of electro-interference. This document will be applicable to AMR Complex only.

Purpose and Scope

To define the parameters and success criteria needed to verify the degree of compliance with MIL-E-6051C.

References and Remarks

MIL-E-6051C This document, together with D2-30167 "Electro-Interference Test Plan for the WS-133B Program - AMR Complex", satisfy the contractual requirement of paragraph 7.2.2.10 Weapon System E-I Test Plan for AMR.
Electro-Interference Test Objectives for the WS-133B Program - PMR Complex

Description
Establishes and defines the test objectives, success criteria, and data accumulation requirements that will be needed to demonstrate actual system ability to perform in its installed environment successfully without degradation from electro-interference. This document will be applicable to the PMR Complex only.

Purpose and Scope
To define the parameters and success criteria needed to verify the degree of compliance with MIL-E-6051C.

References and Remarks
MIL-E-6051C This document together with D2-30168 "Electro-Interference Test Plan for the WS-133B Program-PMR Complex" satisfy the contractual requirement of para. 7.3.4.1 Weapon System E-I test plan for VAFB.

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Data Required At:
Seattle VAFB AMR Chanute Pkt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM _________
**TITLE**
Identification Specification Marker Set, Safety and Arm Pins (S-133-1000-1-30)

**DESCRIPTION**
This specification sets forth the requirements and tests necessary to define and insure the Marker Set, Safety and Arm Pins, Figure A 6053 Revision 6A.

**PURPOSE AND SCOPE**
To provide a vehicle for the Air Force acceptance of the Marker Set, Safety and Arm Pins.

**REFERENCES AND REMARKS**

**MAINTAINED:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Right:**
- Yes
- No

**IN-HOUSE RIGHT:**
- Yes
- No

**A/P APPROVAL REQ:**
- Yes
- No

**CLASSIFICATION:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**DOCUMENT REQUIRED AT:**
- Seattle
- VAFB
- AMR
- CHANGITE
- PLT 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Wing VII
- Wing VIII
- Wing IX
- Wing X
- Other

**AUTHORITY:**
- CONTRACT NO. 666
- CCN
- CONTRACT REF.

**Para. No.**
- 1-2
- W.O. NO.
- WORK P/G. NO.
- EWA NO.

**REV SYM**

**BOEING**
- NO. D2-30031-1A
- SEC.
- PAGE 304

**DOC. NO.**
D2-30159
TITLE
Modal Specification Explosive Kit, Stage Separation, Missile (S-133-1000-1-29)

DESCRIPTION
This specification sets forth the requirements and tests necessary to define and insure the Explosive Kit, Stage Separation, Missile, Figure A's 6552 Revision 6A and 6751 Revision 6A.

PURPOSE AND SCOPE
To provide a vehicle for the Air Force acceptance of the Explosive Kit, Stage Separation, Missile.

REFERENCES AND REMARKS
Figure A 6552 Revision 6A similar to MRON 6503.
Figure A 6751 Revision 6A similar to MRON 6703.

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY
WEEKLY SINGLE RELEASE AS REQUIRED

A/P REGMT: YES X NO IN-HOUSE REGMT: YES NO A/P APPROVAL REQD: YES X NO

CLASSIFICATION: SECRET CONFIDENTIAL UNCLASSIFIED X NEW REVISION

DOCUMENT REQUIRED AT: SEATTLE VAFB AMR CHAMUITE PLT 77 WING I
WING II WING III WING IV WING V WING VI WING VII WING VIII
WING IX WING X OTHER

AUTHORITY: CONTRACT NO. D2-30032-1A
PARA. NO. 266 CCN CONTRACT REF.
WORK PG. NO. W.O. NO. WPA NO.

REV SYM 3-4915-40-5 BOEING NO. D2-30032-1A SEC. PAGE 305
BAD Variations to Model Specification for Explosive Kit, Stage Separation, Missile (S-133-1000-1-28)

This specification sets forth the requirements and tests necessary to define and insure the Explosive Kit, Stage Separation, Missile, Figure A's 6552 Revision 6A and 6751 Revision 6A for flight test missiles.

To provide a vehicle for the Air Force acceptance of the Explosive Kit, Stage Separation, Missile.
**Title**

WS-133B VAFB Program Requirements Document Inputs (U)

**Description**

Includes requirements for space, ground instrumentation, CTI, power, range support and other requirements necessary to support the test program.

**Purpose and Scope**

To supply BSD with the Boeing requirements for incorporation into the AFBSD VAFB Program Requirements Document.

**References and Remarks**

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**Data Required At:**

Seattle, VAFB, AMP, Chanute, Pit 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

REV SYM __________
Identification Specification Conduit-Support Set, Raceway Guided Missile (S-133-1000-1-29)

This specification sets forth the requirements and tests necessary to define and insure the Conduit-Support Set, Raceway Guided Missile, Figure A 6051 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Conduit Support Set, Raceway Guided Missile.

References and Remarks

Similar to MRCN's 6005, 6011, 6507, 6706.
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266  
Item No. 7.2.2.10  
Data Ident. No. D2-30167

Title
Electro-Interference Test plan for the WS-133B Program - AMR Complex

Description
Delineates and defines the test configuration, test instrumentation and modes of operation that will be used on the various elements of the WS-133B Program at AMR to demonstrate actual ability of those elements to perform successfully without degradation from electro-interference. This document will describe those tests needed to satisfy the success criteria established in D2-30155.

Purpose and Scope
To describe those tests needed to satisfy the success criteria established in D2-30155 "Electro-Interference Test Objectives for WS-133B Systems - AMR Complex (U)".

References and Remarks

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Data Required At:
- Seattle
- VAFB
- Chanute
- Plt 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6015-10-6

REV SYM

BOEING  
No. D2-30032-1A

SECT.  
PAGE 309
**Title**
Electro-Interference Test Plan for the WS-133B Program - PMR Complex

**Description**
Delineates and defines the test configurations, test instrumentation, and modes of operation that will be used on the various elements of the WS-133B Program at PMR to demonstrate actual ability of those elements to perform successfully without degradation from electro-interference. This document will describe those tests needed to satisfy the success criteria established in D2-30156.

**Purpose and Scope**
To describe those tests needed to satisfy the success criteria established in D2-30156 "Electro-Interference Test Objectives for WS-133B Systems - PMR Complex" (U).

**References and Remarks**

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Data Required At:
Seattle VAFB, APR, Chanute; P1t 77, Wing; I Wing; II Wing; III Wing; IV Wing; V Wing; VI Other

2-6015-10-6
## Title
Facilities Design Criteria for WS-133B CRT/CTL Maintenance Building (SMSB) VAFB

## Description
Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the CRT/CTL Maintenance Building. Includes: physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements and all peculiar requirements which affect facility design.

## Purpose and Scope
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the CRT/CTL Maintenance Building at VAFB.

## References and Remarks
AFBSO Exhibit 62-71

### Requirement
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Data Required At:
- Seattle VAFB
- AMR
- Chanute
- Flt 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6815-10-6

REV SYM
Facility Criteria for WS-133B Destruct Ordnance Installation Building - VAFB

Description

Contains facilities design criteria defining the physical and functional relationships of Weapon System elements to the facilities of the Destruct Ordnance Installation Building. Includes: Physical interfaces of equipment and facilities, Layout drawings showing functional and spatial arrangements and all peculiar requirements which affect facility design.

Purpose and Scope

To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Destruct Ordnance Installation Building at VAFB.

References and Remarks

AFBSD Exhibit 62-71

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Data Required At:
Seattle, VAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
**Title**
Facilities Criteria for WS-133B Launch Control Center Training Facility, VAFB

**Description**
Contains facilities design criteria defining the physical and functional relationships of the trainer elements to the Crew Procedures Trainer Facility. Includes: physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements and all peculiar requirements which affect facility design. In its final form this document will provide site adapted criteria per AFBSD Exhibit 62-119.

**Purpose and Scope**
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Crew Procedures Trainer Facility at VAFB.

**References and Remarks**
AFBSD Exhibit 62-71 and 62-119

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**REV SYM**

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*Boeing* NO. D2-30032-1A

SECT. PAGE 313
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266
Item No. 6.9
Data Ident. No. D2-30177-1

Title
WS-133B Minuteman Research and Development Master Equipment List (U)

Description
Lists allocations and schedules of all Minuteman equipment arranged by associate contractor and test program, sectionalized as follows: Aerojet, Autonetics, Boeing, Hercules, Sylvania, Thiokol, Avcoast.

Purpose and Scope
To provide WS-133B equipment allocation and schedule oriented toward test program.

References and Remarks

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Data Required At:
Seattle VAFB ANR Chanute Plt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other Assoc-Contractor

2-6015-10-6

REV SYM

BOEING NO. D2-30032-1A
SECT.  PAGE 314
DATA REQUIREMENT INFORMATION (DRI)

Title
WS-133B Minuteman Research and Development Master Equipment List (U)

Description
Lists allocations and schedules of all WS-133B Minuteman equipment arranged by supplier and figure "A's" in sections, as follows:
Aerojet, Autonetics, Boeing, Hercules, Sylvania, Thiokol, Avco, American Air Filter and Air Force supplied.

Purpose and Scope
To provide complete WS-133B equipment allocation and schedule oriented toward supplier.

References and Remarks

60-59 Format

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Data Required At:
Seattle VAFB, Mount Shasta, Plit 77, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
**Model Specification Truck Tractor, Transporter-Erector (S-133-121-1-91)**

**DESCRIPTION:**

This specification sets forth the requirements and tests necessary to define and insure the Truck Tractor, T-E, Figure A 4075 Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Truck Tractor, T-E.

**REFERENCES AND REMARKS**

- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED
- X
- QUARTERLY
- X
- X
- AS REQUIRED

**CLASSIFICATION:**

- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- X
- REVISION

**DOCUMENT REQUIRED AT:**

- Seattle
- VAFB
- ANH
- CHAMPI
- PLT 77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**AUTHORITY:**

- CONTRACT NO. D2-30190
- W.O. NO.
- CONTRACT REP.
- WORK Pkg. NO.
- WGA NO.
- 4.2 and 4.3
- CONTE NO.
- 266

**REV SYM:**

- D2-30032-04

**BOEING NO.:** D2-30032-1A
Model Specification Carriage, Rocket Motor, 3rd Stage (8-133-121-1-92)

This specification sets forth the requirements and tests necessary to define and insure the 3rd Stage Rocket Motor Carriage, Figure A 4121 Revision 6A.

To provide a vehicle for the Air Force acceptance of the 3rd Stage Rocket Motor Carriage.
Model Specification Alarm Set, Missile Storage - Transit Status, 2nd Stage Rocket Motor/Missile (S-133-121-1-93)

This specification sets forth the requirements and tests necessary to define and ensure the Missile Storage - Transit Status Alarm Set, Figure A 4187 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Missile Storage - Transit Status Alarm Set.
Model Specification Semitrailer, Transporter-Erector (S-133-121-1-90)

This specification sets forth the requirements and tests necessary to define and insure the T-E Semitrailer, Figure A 4059 Revision 6A.

To provide a vehicle for the Air Force acceptance of the T-E Semitrailer.

REFERENCES AND REMARKS

ANNUAL

WEEKLY

SEM-ANNUAL

SINGLE RELEASE

AS REQUIRED

A/H REGT:

YES

NO

IN-HOUSE REGT:

YES

NO

A/F APPROVAL REGT:

YES

NO

CLASSIFICATION:

SECRET

CONFIDENTIAL

UNCLASSIFIED

NEW

REVISION

DOCUMENT REQUIRED AT:

SEATTLE

VAFB

AAM

CHANGE

PLT 77

WING 1

WING II

WING III

WING IV

WING V

WING VI

WING VII

WING VIII

WING IX

WING X

OTHER

AUTHORITY:

CONTRACT NO.

-266

CON

CONTRACT REP.

PARA. NO.

4.2 & 4.3

W.O. NO.

NO. PAGE

319
Identification Specification Truck, Mechanical, Maintenance (S-133-121-3-1-103)

This specification sets forth the requirements and tests necessary to define and insure the Truck, Mechanical Maintenance, Figure A 4031 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Truck, Mechanical Maintenance.
Title

Functional Signal Flow Drawing Procedures for WS-133B

Description

This is a drawing standards document for use by all Associate Contractors for the preparation of Time Flow Logic Diagrams.

Purpose and Scope

To familiarize, instruct, and assist those agencies responsible for the preparation, delivery, integration and revision of the Functional Time Flow Diagrams. The end product of these efforts shall be the establishment and generation of a unified, properly documented, cross-correlated and maintained drawing system for the WS-133B Weapon System.

References and Remarks

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Data Required At:
Seattle, WAFB, ANR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
Identification Specification Restraint Rod,
Base Adapter Ring to Transporter-Erector
(S-133-121-1-56)

This specification sets forth the requirements and tests
necessary to define and insure the Base Adapter Ring to
Transporter-Erector Restraint Rod, Figure A 4307 Revision 6A.

To provide a vehicle for the Air Force acceptance
of the Base Adapter Ring to T-E Restraint Rod.
Identification Specification Support, Ramp (8-133-121-1-95)

DESCRIPTION

This specification sets forth the requirements and tests necessary to define and insure the Ramp Support, Figure A 4206 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Ramp Support.
Identification Specification Truck, Transporter-Erector, Support (S-133-121-1-96)

This specification sets forth the requirements and tests necessary to define and insure the Truck, Transporter-Erector, Support, Figure A 4119 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Truck, Transporter-Erector, Support.
Identification Specification Truck, Electronic Maintenance (S-133-121-3-1-124)

This specification sets forth the requirements and tests necessary to define and insure the Truck, Electronic Maintenance, Figure A 4063 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Truck, Electronic Maintenance.
DATA REQUIREMENT INFORMATION (DRI)

Title
Missile Handling and Storage Facilities Criteria for WS-133B, VAFB

Description
Contains facilities design criteria defining the physical and functional relationship of weapon system elements to the Missile Handling and Storage Facilities.

Purpose and Scope
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Missile Handling and Storage Facilities. These facilities are: Rail and Loading Facility; Aircraft Unloading Facilities; Missile Storage Facility; Transient Missile Loading Facilities; Transporter-Erector Parking; and Proof Load Test Facilities.

References and Remarks
AFBSD Exhibit 62-71

Requirement

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REV SYM

BOEING NO. D2-30032-1A

SECT. PAGE 326
Title
Air Force Weapon Supply Warehouse Facility Criteria for WS-133B, VAFB

Description
Contains facilities design criteria defining the physical and functional relationships of weapon system elements to the facilities of the Air Force Weapon Supply Warehouse. Includes: physical interfaces of equipment and facilities, layout drawings showing functional and spatial arrangements, and all peculiar requirements which affect facility design.

Purpose and Scope
To provide the design criteria needed by the Architect-Engineer (A-E) to prepare construction drawings and specifications for the Air Force Weapon Supply Warehouse Facility at VAFB.

References and Remarks
AFBSD Exhibit 62-71

<table>
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Data Required At:
Seattle, VAFB and Quantie, Ft. 77 Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
**Title**

VS-133B Qualitative and Quantitative Personnel Requirements Information (QQPRI)

**Description**

Qualitative and Quantitative Personnel Requirements Information (QQPRI) is personnel subsystem data used in planning for system personnel, training, and manpower. It identifies the equipment-associated duty positions that are required to operate, maintain, and control the system. QQPRI Reports provide a basis for preparing the system's Personnel Plan, which, in turn, is used to develop detailed training plans and to commit personnel resources for the system.

**Purpose and Scope**

Qualitative and Quantitative Personnel Requirements Information is used as a source of data for such related actions as the development or revisions of USAF personnel concepts or policies, the revision of the USAF classification system, manning and the utilization of personnel, and the development or revision of operational and maintenance concepts or plans.

It will cover all Minuteman peculiar base operations and maintenance personnel. It will not include base supervisory or base support personnel, nor will it include personnel to support Minuteman depot functions.

**References and Remarks**

AFBSD Exhibit 62-90
MIL-D-26239A

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**Data Required At:**

Seattle VAFB ANB Channute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6
WS-133B Fault Tree Analysis Program Plan

DESCRIPTION:
Develops the Fault Tree Analysis Methods for calculating the degree of safety provided in the system against an undesirable event. Contains the program for the development of fault trees by the Contractors and defines the inter-Contractor relationships.

PURPOSE AND SCOPE:
To organize an integrated fault tree analysis program for the WS-133B system to:
(a) Determine the probability of the occurrence of serious events
(b) Identify those failures and acts which make excessive contribution to (a).
(c) Establish ground rules, formats, definitions, and instructions for preparing fault trees, analysis applicable to all contractors.
(d) Recommend corrective measures.

REFERENCES AND REMARKS:
BSD Exhibit 62-82

MAINTAINED:
ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY X ___________ MONTHLY ___________ BI-WEEKLY ___________
WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________

A/P REGT: YES X ___________ IN-HOUSE REGT: YES ___________ NO ___________
AP APPROVAL: YES ___________ NO ___________

CLASSIFICATION: SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED X ___________ NEW ___________ REVISION ___________

DOCUMENT REQUIRED AT:
SEATTLE ___________ VAF ___________ ANB ___________ CHARLOTTE ___________ PLT ___________ WING I ___________
WING II ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________
WING IX ___________ WING X ___________ OTHER ___________

AUTHORITY:
CONTRACT NO. ___________ CON ___________ CONTRACT REP. ___________
PARA. NO. ___________ W.O. NO. ___________ WORK PKG. NO. ___________ FWA NO. ___________
This volume contains the fault tree analysis of all operational circuits, equipment and facilities, including the missile, at the LF's and LCF's. Recommendations for change of circuits and equipment will be included.

To serve as a depository for detailed functional flow diagrams, fault trees, mathematical analysis and recommendations.

BSD Exhibit 62-62

MAINTAINED: ANNUALLY _ SEMI-ANNUALLY _ QUARTERLY _ MONTHLY _ BI-WEEKLY _ WEEKLY _ SINGLE RELEASE _ AS REQUIRED _

A/P REQMT: YES _ NO _ IN-HOUSE REQMT: YES _ NO _ A/P APPROVAL REQ: YES _ NO _

CLASSIFICATION: SECRET _ CONFIDENTIAL _ UNCLASSIFIED _ NEW _ REVISION _

DOCUMENT REQUIRED AT: SEATTLE _ VAFB _ AFB _ MCRS _ PLANET _ WING I _ WING II _ WING III _ WING IV _ WING V _ WING VI _ WING VII _ WING VIII _

WING IX _ WING X _ OTHER _

AUTHORITY: CONTRACT # _ 266 _ CCN _ CONTRACT REP. _

PARA. NO. _ 44.6.2 _ W.O. NO. _ WORK PKG. NO. _ FRA NO. _

BOEING NO. D2-30032-1A _

REV SYM _
This volume contains the fault tree analysis of test and checkout operations at tactical bases up to and including turnover to the operational command, and of maintenance tests to be used after turnover.

Purpose and Scope

To serve as a depository for detailed functional flow diagrams, fault trees, mathematical analysis and recommendations.

References and Remarks

BSD Exhibit 62-82
**DATA REQUIREMENT INFORMATION (DRI)**

**Contract.** 266  
**Item No.** 7.2.6.11.2 and 7.2.6.11.3  
**Data Ident. No.** D2-30209-#

<table>
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**Title**  
FTM Mass Data Report - Wing VI (U)

**Description**  
Contains: Associate Contractor Mass Data Reference List, Missile Station Diagram, Missile Mass Data Summary consisting of weight, center of gravity and expended items during intervals of flight sequence, Boeing Hardware Sectional Mass Data Summary, and Boeing Hardware Sectional Mass Data detailed by function.

**Purpose and Scope**  
To provide the prime input for cutting the STL targeting data tapes for FTM **.

**References and Remarks**  
This document will be released 85 days prior to firing of FTM to satisfy the requirement for predicted weight reports (F-85) and revised once 30 days prior to firing to satisfy actual weight reports (F-30) requirements.

Data Required At:  
Seattle, WAFB, AMR, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

X X X

REV SYM ____________________________

NO. D2-30102-1A

SECT. PAGE 332
The preceding DRI includes the following volumes:

- D2-30209-1
- 2nd
- 3rd
- 4th
- 5th
- 6th
- 7th
- 8th
- 9th
- 10th
- 11th
- 12th
- 13th
- 14th
WS-133B - VAFB Modification Plan - VAFB Minuteman Complex Review

Includes installation, facilities and equipment documentation to determine the extent of modifications required to support Wing VI MM & HSM-80C/WS-133A Compatibility test program.

Purpose and Scope

See above description.

References and Remarks

Maintenance:

- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY [X]
- B/WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

A/F REG.

- YES [X]
- NO

In-House Reg.

- YES
- NO

A/F Approval Req'd

- YES [X]
- NO

Classification:

- SECRET
- CONFIDENTIAL
- UNCLASSIFIED [X]
- NEW
- REVISION

Document Required At:

- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- OTHER

Authority:

- CONTRACT NO. [X] 266
- CCN
- CONTRACT REF.

Para. No.

7-3-3-2

W.O. No.

DEVELOPMENT NOTICE

DOC. NO. D2-30210
WS-133B VAFB Acceptance Demonstration Plan

States the plan for demonstrating to the customer the ability of the weapon system to function as demanded by the design criteria. The program includes at least one missile launch.

PURPOSE AND SCOPE

See above description.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY X ___________ MONTHLY ___________ BIWEEKLY ___________

WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________

A/P REQUI ___________ YES X ___________ NO ___________ IN-HOUSE REQUI ___________ YES ___________ NO ___________ A/P APPROVAL REQUI ___________ YES ___________ NO ___________

CLASSIFICATION: SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED X ___________ VIEW ___________ REVISION ___________

DOCUMENT REQUIRED AT: SEATTLE ___________ VAFB ___________ AMK ___________ CHARLOTTE ___________ PLT 77 ___________ WING I ___________

WING II ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________

WING IX ___________ WING X ___________ OTHER ___________

AUTHORITY: CONTRACT NO. 3-66 ___________ CCN ___________ CONTRACT REP. ___________

PARAM NO. 7-3-23 ___________ W.O. NO. ___________ WORK AUTH. NO. ___________ EWA NO. ___________

3-6815-00-1 REV SYM ___________ BOEING NO. 32-30032-1A

SEC. PAGE 333
Contains the plan by which Boeing will implement the requirements for VAFB demonstration and technical approval, inventory acceptance and turnover of the WS-133B sites. This plan specifies the tasks which are required to accomplish final demonstration that the VAFB test sites, procedures, technical orders and manuals, etc. are satisfactorily complete for site acceptance and delivery.

Purpose and Scope

To present the specified tasks which are required to accomplish acceptance demonstration of the category I and II Vandenberg AFB Field Test Program.
### Title
WS-133B Category I Plan, VAFB - Operating (U)

**Description**
Details the objectives and requirements for the engineering test activity at VAFB. This program integrates the total weapon system terminating in a missile launch.

**Purpose and Scope**
See above description.

**References and Remarks**

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Data Required At:
- Seattle
- VAFB
- AFB Chanute
- Pt 77 Wing
- I Wing
- II Wing
- III Wing
- IV Wing
- V Wing
- VI Wing
- Other

REV SYM

BOEING NO. D2-30032-1A
SECT. PAGE 337
**Title**
WS-133B Category II Plan, VAFB - Operating (U)

**Description**
Details the objectives and requirements for the weapon system demonstration program. Integrates hardware, personnel, and procedures. It is conducted jointly by Boeing and the Customer.

**Purpose and Scope**
See above description.

**References and Remarks**

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Data Required At:
Seattle, VAFB, AMR, Chanute, Pnt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
Title

Program Plan for Staging and Skirt Removal Test - Interstage 2-3 (R&D) Section A - Detail Test Plan

Description

Covers full scale test, similar to the WS-133B Minuteman Staging Test. Include detailed Assembly and Checkout Procedures.

Purpose and Scope

Presents the overall plan for conducting a ground level staging test of a 2-3 interstage utilizing a live stage 3 motor.

Contains 3 sections:
A. Detailed Test Plan (responsibilities and objectives)
B. Test Article (assembly procedures)
C. Pre-Fire and Post Fire Check list

References and Remarks

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Data Required At:

- Seattle
- VAFB
- Chanute
- Plt 77
- Wing I
- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6015-10-6

REV SYM

BOEING NO. D2-30032-1A
Program Plan for Staging and Skirt Removal Test -
Interstage 1-2 (N&D) Section A - Detail Test Plan

Covers full scale test similar to the WS-153A Minuteman Staging Tests. Includes detailed Assembly and Test Checkout procedures.

Purpose and Scope

To present the overall plan for conducting a ground level staging test of a 1-2 interstage, utilizing a live stage 2 motor.

Contains 3 sections:
A. Detailed Test Plan (Responsibilities and Objectives)
B. Test Article (Assembly Procedure)
C. Pre-Fire and Post Fire Checklist

References and Remarks
Detailed Test Plan - Section h5 - Flight Proof Test - 2-3 Interstage

Contains test objectives, methods, configuration, test data to be obtained, TSE required, test instrumentation, schedules, milestones, test facilities, location, responsibilities and criteria for success required to test section h5 of the Wing VI configuration missile. Section h5 is the Boeing produced 2-3 Interstage. These tests will be conducted on a production line article.

PURPOSE AND SCOPE

To subject Section h5 to the vibrational environment which it should encounter during actual flight. The purpose of this will be to prove the vibrational flight capability of Section h5 of the Wing VI missile configuration.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ______ SEASON-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______

WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______

A/P AUTHORITY: YES ______ NO ______ IN-HOUSE AUTHORITY: YES ______ NO ______ A/P APPROVAL REQU'S: YES ______ NO ______

CLASSIFICATION: SECRET ______ CONFIDENTIAL ______ UNCLASSIFIED ______ NEW ______ REVISION ______

DOCUMENT REQUIRED AT: SEATTLE ______ VAFB ______ AMR ______ CHANUTE ______ PLT 77 ______ WING I ______
WING II ______ WING III ______ WING IV ______ WING V ______ WING VI ______ WING VII ______ WING VIII ______
WING IX ______ WING X ______ OTHER ______

AUTHORITY: CONTRACT NO. ______ NO 266 ______ CON ______ CONTRACT REP. ______

PARA. NO. ______ W.O. NO. ______ WORK PKG. NO. ______ EWA NO. ______
Contains complete documentation of the analyses leading to the determination of nominal thicknesses for each item of external insulation installations.

To substantiate the selection of the insulation subsystem component thicknesses. Includes joint analyses, protuberance effects and weight data.
WS-133B External Insulation Assembly Data

Includes assembly data for external insulation material, covering processing operations for AVE assembly.

Establishes the basic requirements constraining processing operations for the insulation subsystem.

DOCUMENT REQUIREMENT & DEVELOPMENT NOTICE (DRDN)

TITLE

WS-133B External Insulation Assembly Data

DESCRIPTION

Includes assembly data for external insulation material, covering processing operations for AVE assembly.

PURPOSE AND SCOPE

Establishes the basic requirements constraining processing operations for the insulation subsystem.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY _____ SEMI-ANNUALLY _____ QUARTERLY _____ MONTHLY _____ BI-WEEKLY _____ WEEKLY _____ SINGLE RELEASE _____ AS REQUIRED _____

A/Y REQMT: YES X NO _____ IN-HOUSE REQMT: YES NO X A/Y APPROVAL REQD: YES NO X

CLASSIFICATION: SECRET _____ CONFIDENTIAL _____ UNCLASSIFIED X NEW X REVISION X

DOCUMENT REQUIRED AT: SEATTLE X VAFB _____ KSC _____ CANAVAN _____ PLT 77 _____ WING I _____

WING II _____ WING III _____ WING IV _____ WING V _____ WING VI _____ WING VII _____ WING VIII _____ WING IX _____ OTHER _____

AUTHORITY: CONTRACT NO. -266 CON CONTRACT REF. (Jan. 7, 1963)

P/N. NO. 411.3.2 W.O. NO. WORK PKG. NO. PMA NO.

BOEING NO. D2-30032-1A

REV SYM. 343
Includes test requirements, procedures, and schedules for the Production Environmental Test Program. The attempt of the program will be to ensure that the Manufacturing and Quality Control provisions necessary to achieve subsystem requirements can be met. The test environment will reflect the integrity of manufacturing procedures.

PURPOSE AND SCOPE:

To outline the plan by which Boeing, subcontractors and suppliers will conduct the PET on reliability sensitive items.
This plan shall contain scope, objectives, equipment identification, data sources, ground rules for data interpretation and utilization, definition of test plan (statistical or other), and to demonstrate compliance with numerical reliability requirements to a minimum confidence level of 80%.

To demonstrate the achievement of the reliability requirement as detailed in paragraph 2.7 of Exhibit 62-123 revision 1.

REFERENCES AND REMARKS

APBSD Exh. 62-123.
WS-133B Failure Summaries and Problem Status Report

Contains monthly compilations of failures acquired through each prior month. Forms RS-1, 2, and 3 comprise the document which reflect the information that will be transmitted to AFBSD. These forms depict failures at the Figure A level, problem status, and recommendations for elimination of existing problems (Figure A or lower indentation level only).

PURPOSE AND SCOPE

To define Figure A problem areas which arise on reliability sensitive items as defined in paragraph 2.2 of D2-5072-11. To alert the design areas of field problems.

REFERENCES AND REMARKS

D2-5072-11

* - I will indicate initial submittal after which each following month's issue will bear the next dash number.
WS-133B Safety Procedures and Checklist Requirements

This document will include a list of known WS-133B procedural documents and emergency procedures and indicate the safety information, by category, that each should contain.

PURPOSE AND SCOPE

To ensure that safety policies will be included in system procedure documents as required.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________ WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________

A/P REGULATORY: YES ________ NO ________ IN-HOUSE REGULATORY ________ YES ________ NO ________ A/P APPROVAL REQUIRED ________ YES ________ NO ________

CLASSIFICATION: SECRET ________ CONFIDENTIAL ________ UNCLASSIFIED ________ NEW ________ REVISED ________

DOCUMENT REQUIRED AT: SEATTLE ________ VANCOUVER ________ AMB ________ CANADA ________ PLT 77 ________ WING I ________ WING II ________ WING III ________ WING IV ________ WING V ________ WING VI ________ WING VII ________ WING VIII ________ WING IX ________ WING X ________ OTHER ________

AUTHORITY: CONTRACT NO. ________ CCN ________ CONTRACT REF. ________ PARA. NO. ________ W.O. NO. ________ WORK PNC. NO. ________ FHA NO. ________

Classified Copy

CLASSIFICATION: SECRET

AUTHORIZED BY: ________

REMARKS: ________

date: ________

COPY: ________

REV: ________
Assembly and Checkout Procedures - Plant 77 - WS-133B

Contains detailed end-item and integration acceptance tests of the items of equipment utilized in the various areas of Plant 77.

To provide detailed instructions for the assembly of Plant 77 equipment into a system and to provide the method of checking out the resulting system to assure that the Plant 77 equipment is functioning properly.
Title: Assembly and Checkout Procedures - HSM 80C - WS-133B

Description:
Establishes the effort required for testing the airborne components and the assembled missile to demonstrate compliance to model specification S-133-1000.

Purpose and Scope:
To present the procedures for testing of the missile component assemblies, and finally, the assembled SM-80 missile, less the R/V G&C. These tests performed at Plant 77, establish compliance with Specification S-133-1000.

References and Remarks:

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A/P REMIT: YES, NO
IN-HOUSE REMIT: YES, NO
A/P APPROVAL REMIT: YES, NO

CLASSIFICATION: SECRET, CONFIDENTIAL, UNCLASSIFIED
NEW, REVISION

DOCUMENT REQUIRED AT:
- SEATTLE
- VAFB
- ANE
- CHARLOTTE
- PLT 77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

AUTHORITY: CONTRACT NO. -266
CONTRACT REF.
CONTRACT NO.

Para. No. 18.3
W.O. No.
WORK PKG.
EWA NO.

Boeing No. D2-30032-TA

Rev Sym
Integration Assembly and Test Contractor's Operational Personnel Training Plan

This document includes the plan for training personnel to be assigned at Plant 77, Boeing Pacific Test Center, Seattle in-plant, and Grand Forks AFB. It also contains the qualitative and quantitative training data for determining:
1. Training courses required,
2. Associate Contractor support,
3. Training equipment required.

Purpose and Scope
To present a training plan that defines, in detail, the total services and materials required to conduct the operational 133-1338 Integration Assembly and Test Contractor's training program.

References and Remarks

Maintenance:
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED
- DAILY

A/P REQUEST:
- YES
- NO
- IN-HOUSE REQUEST
- YES
- NO
- A/P APPROVAL REQUEST
- YES
- NO

Classification:
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW
- REVISION

Document Required At:
- SEATTLE
- VAN
- AME
- CHL
- PLT 77
- WING 1
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

Authority:
- CONTRACT NO.
- 266
- CCN
- CONTRACT REP.
- PARA NO.
- 112.2.1
- W.O. NO.
- WORK PKG. NO.
- EFA NO.

DESCRIPTION:

Contains a writing/illustration format guide developed by Boeing in coordination with the Air Force and Associate Contractors.

PURPOSE AND SCOPE:

To supplement the instructions for copy and art work preparation contained in applicable technical manual specifications.

REFERENCES AND REMARKS:

MAINTAINED: ANNUALLY _______________ SEMI-ANNUALLY _______________ QUARTERLY _______________ MONTHLY _______________ BI-WEEKLY _______________

A/P REMAIN: YES X NO _______________ IN-HOUSE REMAIN: YES X NO _______________ A/P APPROVAL REMOVED: YES X NO _______________

CLASSIFICATION: SECRET _______________ CONFIDENTIAL _______________ UNCLASSIFIED X NEW _______________ REVISION _______________

DOCUMENT REQUIRED AT: SEATTLE _______________ WING II _______________ WING III _______________ WING IV _______________ WING V _______________ WING VI _______________ WING VII _______________ WING VIII _______________

WING IX _______________ WING X _______________ OTHER _______________

A/P NO. _______________ CONTRACT NO. _______________

PARA. NO. _______________ W.O. NO. _______________ WORK REG. NO. _______________ EWA NO. _______________

REV SYM _______________
Technical Manual Production Quality Assurance Plan

Contains work flow diagrams showing the procedural steps of technical manual preparation including quality control of all tests and illustrations. Quality control check points will be integrated into the work flow diagrams and procedures.

This plan, with suitable quality control check lists, will facilitate format standardization, textual continuity, and accuracy. The plan will cover the entire WS-133B Technical Manual program.

A/F REQUIREMENTS: YES

CLASSIFICATION: SECRET

DOCUMENT REQUIRED AT: SEATTLE

A/F APPROVAL REQD: YES

WING II

WING III

WING IV

WING V

WING VI

WING VII

WING VIII

All Associate Contractors

AUTHORITY: CONTRACT NO. 266

CRN: CONTRACT REF.

PARA. NO. 131-3

W.O. NO.: WORK MFG. NO.

EWA NO.:
Title: Technical Manual Validation and Verification Plan

Description:
Contains the plan, per AFBSD Exhibit 62-121, by which validation and verification of in-house, VAFB, and operational site technical manuals will be accomplished. The integrated requirements of the validation and verification plan are defined in terms of policies, responsibility, procedures, records, reports, and criteria. Individual associate contractor's validation and verification plans will be incorporated as separate sections.

Purpose and Scope:
To serve as a depository of associate contractor's validation and verification plans and to assure the Air Force that all applicable technical manual procedures will be properly tested.

References and Remarks:
AFBSD Exhibit 62-121

Maintained:
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

A/F Reqs:
- Yes
- No

In-House Reqs:
- Yes
- No

A/F Approval Req:
- Yes
- No

Classification:
- Secret
- Confidential
- Unclassified
- New
- Revision

Document Required At:
- Seattle
- VAFB
- AMR
- Change
- P/77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- Other

Authority:
- Contract No.
- CCN
- Contract Ref.
- Para, No.
- W.O. No.
- Work P/L No.
- EPA No.

Boeing No. D2-30032-1A
Technical Manual Outlines

DESCRIPTION

Contains outline prepared for each organizational level manual per the requirements established in form D's, Weapon System Technical Requirements Plan, QPRI, and applicable technical manual exhibits and specifications.

PURPOSE AND SCOPE

To form, under one cover, a composite of the technical manual outlines for submittal to the Air Force in order that approval can be received before expending additional effort in preparation of the technical manuals.

REFERENCES AND REMARKS

BSD Exhibit 62-18

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A/F REGMT

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OTHER

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REV SYM

 reconciliation: 1213 W.O. NO. WORK PGM. NO. EWA NO.
Contains a plan based on an analysis of the Form D's in Vol. VI of BSD Exhibit 62-62 (WS-133B Requirements and Description Document) which will integrate the overall weapon system technical manual requirements as well as the associate contractor data responsibility in tabular form. The plan shall include an integrated manual interface table and reference or include all program policies and procedures released by BSD.

To delineate the integrating contractor's program for establishing technical manual requirements and for preparing the necessary documentation. Also, to make available in a single document all Air Force WS-133B general technical manual policy and procedures including standardization requirements.

REFERENCES AND REMARKS

WS-133B System/Subsystem Critical Design Review Plan

**Purpose and Scope**

To serve as a basis for coordination, and to set forth the requirements necessary to prepare for and conduct the System and Subsystem CDR.

**References and Remarks**

AFBSD Exhibits 62-123 and 61-55

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Site Acceptance Procedures - Assembly and Checkout VAFB Program, Wing VI Configuration

Description

Considered a top document in that it represents a summary of and index to all of the site acceptance procedures for the Assembly and Checkout VAFB Program, Wing VI Configuration.

Purpose and Scope

To provide A & C/O procedures for the calibration, pre-assembly, post-assembly, integration of the LF, LCF, SDB and CSA. The scope is restricted to the A&C/O VAFB Program, Wing VI.

References and Remarks

Coord. Sheet 2-6015-00/CS-1
Eliminate D2-30097-1

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2-6015-10-6
Site Acceptance Procedures - Assembly and Checkout Operational Program
Wing VI

Considered a top document in that it represents a summary of and index to all of the site acceptance procedures for the A&C/O Operational Program Wing VI.

To provide A&C/O procedures for the calibration, pre-assembly, post-assembly, integration of the LF, LCF, S/NIE and CSA. The scope is restricted to A&C/O Operational Program, Wing VI.

References and Remarks
Coord. Sheet 2-681'h-00/CS-1
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Data Required At:
Seattle VAFB ANR Chanute Plt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

REV SYM

BOEING NO. D2-30032-1A
SECT. PAGE 358
### MODEL SPECIFICATION TIMER SET, INTERVAL (5-133-1005-3-8)

#### DESCRIPTION

This specification sets forth the requirements and tests necessary to define and insure the Timer Set, Interval, Figure A 6353, Revision 6A.

#### PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Timer Set, Interval.

#### REFERENCE AND REMARKS

- MAINTAINED: ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________ WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________
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- AUTHORITY: CONTRACT NO. 266 ________ CCN ________ CONTRACT REF. ________
- PARA. NO. ________ W.O. NO. ________ WORK PKG. NO. ________ SWA NO. ________

*Jan 7, 63 L/C*
Detail Test Plan - Static Confirmation Tests - WS-133B

Description
The detail test plan will include the loads and temperatures that are to be applied to the test articles during the static confirmation tests. It will also specify the location of the required instrumentation. The detailed test plan will consist of several sections, each section representing one of the following structural components:
1. Guidance and Control Section
2. II - II Interstage
3. I - II Interstage
4. 1st Stage Skirt

Purpose and Scope
To present the test objectives and requirements for the various tests in the Wing VI static confirmation test program. The static confirmation test program is to substantiate the structural capabilities of the Wing VI interstages, G&C Section, and 1st Stage Skirts. A secondary objective of the test is to determine the ultimate capability of these components for the critical loads and environmental conditions.

References and Remarks
STL TWX 213-617-5100 dated 2-21-63

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Data Required At:
Seattle VAFB ANS Chanute PIT 77 Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6
Vandenberg Air Force Base System Integration and Test Plan (SITP)

In accordance with the WS-133B Minuteman Program organizational requirements, the SITP has been prepared to outline the mode of operation for program participants. It is an agreement between Boeing and Associate Contractors and details the interphase activities, responsibilities, and relationships of the program participants at VAFB.

This document is the test sites procedures document for the VAFB WS-133B Minuteman Program. Its purpose is to (1) detail interface activities, (2) set forth the responsibilities, and (3) govern working relationships of the WS-133B program participants at VAFB.
Title: WS-1338 Model Specification Launch Facility, Ground Electronic System Status Simulator (S-133-120-5-66)

Description:

This specification sets forth the requirements and tests necessary to define and insure the Simulator, Status, Launch Facility, Ground Electronic System, Figure A 5132 Revision 6A.

Purpose and Scope:

To provide a vehicle for the Air Force acceptance of the Simulator, Status, Launch Facility and Ground Electronic System.

References and Remarks:

MAINTAINED: ANNUALLY ___________ SEMI-ANNUALLY ___________ QUARTERLY ___________ MONTHLY ___________ BI-WEEKLY ___________ WEEKLY ___________ SINGLE RELEASE ___________ AS REQUIRED ___________ X

A/P REIGMT: YES ___________ NO ___________ IN-HOUSE REVIEW ___________ YES ___________ NO ___________ A/P APPROVAL REQD ___________ YES ___________ NO ___________ X

CLASSIFICATION: SECRET ___________ CONFIDENTIAL ___________ UNCLASSIFIED ___________ X NEW ___________ X REVISION ___________ X

DOCUMENT REQUIRED AT: SEATTLE ___________ X YAFB ___________ ANM ___________ CHAMPA ___________ P.I. 77 ___________ WING 1 ___________ X
WING H ___________ WING III ___________ WING IV ___________ WING V ___________ WING VI ___________ WING VII ___________ WING VIII ___________ X
WING IX ___________ WING X ___________ OTHER ___________ X

AUTHORITY: CONTRACT NO. ___________ 266 ___________ CCN ___________ CONTRACT REP. ___________ X
P.O. NO. ___________ 42 ___________ W.O. NO. ___________ WORK P.O. NO. ___________ SWA NO. ___________ X

REV SYM ___________ BEOING NO. D2-30332-1A

SEC. ___________ PAGE 362
MODEL SPECIFICATION MESSAGE GENERATOR AND STATUS DISPLAY UNIT
(S-133-120-6-47)

DESCRIPTION

This specification sets forth the requirements and tests necessary to define and ensure the Message Generator, Figure A 11489 Revision 6A.

PURPOSE AND SCOPE

To provide a vehicle for the Air Force acceptance of the Message Generator.
This specification sets forth the requirements and tests necessary to define and insure the Simulator Set, Electrical Functions, Missile and Launch, Figure A 1090 Revision 6A.

To provide a vehicle for the Air Force acceptance of the Simulator Set, Electrical Functions, Missile and Launch.
**TITLE**
Identification Specification Truck, Alignment Support
(S-133-121-3-1-13h)

**DESCRIPTION**
This specification sets forth the requirements and tests necessary to define and ensure the Truck, Alignment Support, Figure A 1520 Revision 6A.

**PURPOSE AND SCOPE**
To provide a vehicle for the Air Force acceptance of the Truck, Alignment Support.

**REFERENCES AND REMARKS**

**MAINTAINED:**
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- B/WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

**A/F REQMT**
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**IN-HOUSE REQMT**
- YES
- NO

**A/F APPROVAL REQD**
- YES
- NO

**CLASSIFICATION:**
- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- UNCLASSIFIED
- NEW
- REVISION

**DOCUMENT REQMT AT:**
- SEATTLE
- VAFB
- AMR
- 9TH MOS
- PLT 77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- OTHER

**AUTHORITY:**
- CONTRACT NO.
- NO. 266
- CCN
- CONTRACT REF.
- W/O.
- W/O. NO.
- WORK PKG. NO.
- EPA NO.
Contains the detailed test objectives, test configuration, test conditions, data requirements, test success criteria and measurements required to evaluate each objective.

To be used as a basis for planning the VAFB Category I tests, and for preparing functional test documentation.

References and Remarks
WS-133B Safety Engineering Plan

Provides a coordinated and comprehensive safety plan that ensures identification, evaluation, and resolution of Missile Weapon System safety problems.

Purpose and Scope

Defines the tasks, responsibilities, and safety action milestones for the appropriate system or subsystem. Describes the contractor safety organization, its composition and relationships with the various functional departments such as engineering, test, quality assurance, reliability, and manufacturing.

References and Remarks

BSD Exh 62-41
WS-133B Contractor's Participation in Air Force Accident/Incident Investigation Plan

Provides a plan for contractor participation in Air Force accident/incident investigations, in the event the Air Force requests such participation.

Identifies the individuals that may be called on to assist the Air Force in conducting accident/incident investigation. Defines the responsibilities of the associate contractors and the Air Force.

REFERENCES AND REMARKS

AFR 127-4, AFM 32-3, AFM 32-6

MAINTAINED: ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________ WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________

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AUTHORITY: CONTRACT NO. ________ CON ________ CONTRACT REF. ________

PARA. NO. ________ W. O. NO. ________ WORK P. O. NO. ________ FMA. NO. ________

REV SYM ________
WS-133B AMR General Safety Plan

Delineates basic safety policies and guidelines. Describes the AMR Minuteman safety working group and the responsibilities of the group and its members.

Ensures the effective, exercise of safety authorities and regulations during activities at AMR and provides for accommodating general criteria to AMR unique situations. This document will also facilitate development of AMR Safety Standards as required.

AMF 32-3, 32-6

MAINTAINED: ANNUALLY _______ SEMI-ANNUALLY _______ QUARTERLY _______ MONTHLY _______ BI-WEEKLY _______ WEEKLY _______ SINGLE RELEASE _______ AS REQUIRED _______ A/P REGIME YES _______ NO _______ IN-HOUSE REGIME YES _______ NO _______ A/P APPROVAL REGIME YES _______ NO _______ CLASSIFICATION: SECRET _______ CONFIDENTIAL _______ UNCLASSIFIED _______ NEW _______ REVISION _______

DOCUMENT REQUIRED AT: SEATTLE _______ VAFS _______ AMR _______ CHANUTE _______ PLT 77 _______ WING I _______ WING II _______ WING III _______ WING IV _______ WING V _______ WING VI _______ WING VII _______ WING VIII _______ WING IX _______ OTHER _______ AWARD _______ WPA NO. _______ CONTRACT NO. _______ Contract Ref _______ W.A. NO. _______ WORK REG. NO. _______ WO. NO. _______ CONTRACT NO. _______ W.A. NO. _______ W.P. NO. _______

Delineates basic safety policies and guidelines. Describes the VAFB Minuteman safety working group and the responsibilities of the group and its members.

Ensures the effective exercise of safety authorities and regulations during activities at VAFB and provides for accommodating general criteria to VAFB unique situations. This document will also facilitate development of the VAFB safety standards as required.

APM 32-3, 32-6
**DS-3333 AF Plant 77 General Safety Plan**

**Description**

Delineates basic safety policies and guidelines. Describes the AF Plant 77 safety working group and the responsibilities of the group and its members.

**Purpose and Scope**

Ensures the effective exercise of safety authorities and regulations during activities at AF Plant 77 and provides for accommodating general criteria to AF Plant 77 unique situations. This document will also facilitate development of the AF Plant 77 safety standards as required.

**References and Remarks**

AFM 32-3, 32-6

**Maintenance:**

- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Approval:**

- Yes
- No

**In-House Approval:**

- Yes
- No

**Classification:**

- Secret
- Confidential
- Unclassified

**Document Required At:**

- Seattle
- VAFB
- AME
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- PLT 77
- WING I
- WING II
- WING III
- WING IV
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- WING VI
- WING VII
- WING VIII
- Other

**Authority:**

- Contract No. 266
- CON
- Contract Ref.
- W.O. No.
- Work No.
- EWA No.

**Boeing No.** D2-30032-1A

**Rev Sym.**
WS-133B Operational Base General Safety Plan

Delineates basic safety policies and guidelines. Describes the Wing VI operational base, Minuteman safety working group and the responsibilities of the group and its members.

Ensures the effective exercise of safety authorities and regulations during activities at the Wing VI operational base and provides for accommodating general criteria for Wing VI unique situations. This document will also facilitate development of the operational base safety standards as required.

AFM 32-3, 32-6
Identification Specification Deflector, Rocket Motor Exhaust
8-133-1000-1-33

This specification sets forth the requirements and tests necessary to define and insure the Deflector, Rocket Motor Exhaust, Figure A 6951, Rev. 6A.

To provide a vehicle for the Air Force acceptance of the Deflector, Rocket Motor Exhaust.
**Identification Specification Deflector, Rocket Motor Exhaust (S-133-1000-1-32)**

**DESCRIPTION**

This specification sets forth the requirements and tests necessary to define and insure the Deflector, Rocket Motor Exhaust, Figure A 6551, Revision 6A.

**PURPOSE AND SCOPE**

To provide a vehicle for the Air Force acceptance of the Deflector, Rocket Motor Exhaust.

**REFERENCES AND REMARKS**

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**Boeing**

NO. D2-30032-1A

SEC.  PAGE 374
**Title**
WS-133B Training Equipment Planning Information

**Description**
Contains the Contractor's estimate of preliminary USAF training requirements and the types of training equipment considered necessary to support Air Training Command and the Strategic Air Command operational readiness training programs.

**Purpose and Scope**
To provide timely identification of training equipment needed to support USAF training and for subsequent procurement. This document contains the list of trainers, bench items, and graphic materials.

**References and Remarks**

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2-6015-10-6
WS-133B Training Equipment Analysis Summary

Description

Contains the contractors estimate of preliminary USAF training requirements and the types of training equipment considered necessary to support Air Training Command and the Strategic Air Command operational readiness training programs.

Purpose and Scope

To provide timely identification of training equipment needed to support USAF training and for subsequent procurement. This document contains the list of trainers, bench items and graphic materials.

References and Remarks

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REV SYM

BOEING

NO. D2-30032-1A

SECT.

PAGE 374
WS-133B Analysis of VAFB ORT Equipment and Facilities

Analysis of the ORT Training Plan to identify equipment, facilities, course content and sequence.

Purpose and Scope

To prepare recommendations for ORT course content, equipment, and facilities requirements. To identify the total ORT program requirements.

References and Remarks
Title

Model Specification, Adapter Set, Connector
S-133-121-3-1-135

Description

This specification sets forth the requirements and tests necessary to define and ensure the Connector Adapter Set, Figure A 1319 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Connector Adapter Set.

References and Remarks

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Data Required At:

Seattle, VAFB, AFB, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6015-10-6
WS-133B Flight Operations Plan – Section I

Contains the ground operations plan for each GTM test, including test objectives, measurements requirements, success criteria, and data presentation requirements.

To present the integrated launch countdown procedures for each GTM.
WS-133B Flight Operations Plan - Section II

Contains the ground operations plan for each PTM test, including test objectives, measurement requirements, success criteria, and data presentation requirements for all PTM preflight activities up to and including T-0 or Missile Launch.

Purpose and Scope

To present the integrated launch countdown procedures for each PTM.
WS-135B Flight Operations Plan - Section III (U)

Contains the flight test plan including the in-flight test objectives, flight missile profiles, measurement requirements success criteria, and data presentation requirements for the flight time period.

To present the integrated flight test plan.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY _____________ SEMI-ANNUALLY _____________ QUARTERLY _____________ MONTHLY _____________ BI-WEEKLY _____________ WEEKLY _____________ SINGLE RELEASE X _____________ AS REQUIRED _____________

A/P REORT: YES X NO _____________ IN-HOUSE REORT: YES X NO _____________ A/P APPROVAL RD: YES X NO _____________

CLASSIFICATION: SECRET _____________ CONFIDENTIAL X _____________ UNCLASSIFIED _____________ NEW X _____________ REVISION _____________

DOCUMENT REQUIRED AT: SEATTLE X VAFS X AMR _____________ CHANUTE _____________ PLT 77 _____________ WING I _____________ WING II _____________ WING III _____________ WING IV _____________ WING V _____________ WING VI _____________ WING VII _____________ WING VIII _____________ WING IX _____________ WING X _____________ OTHER _____________

AUTHORITY: CONTRACT NO. _____________ CCN _____________ CONTRACT REF. _____________

REVISION NO. _____________ W.O. NO. _____________ WORK PN. NO. _____________ EWA NO. _____________
This document will include all test procedures by description or reference in accordance with the approved Detailed Test Requirement document D2-30268-1. Contains information used in the preparation and maintenance of detailed schedules for test activities. Contains completed test sequences and data.

Contains information pertaining to VAFB only.

D2-30268-1 Completed test sequences and data will be contained in a revision.
Detailed Test Plan - Raceway Dynamic Test

Contains a detailed test plan for conducting a vibration, test and a
dynamic actuation test on the I - II Interstage, 0&c/CHIL disconnect
beam.

To present test procedures and requirements relative to conducting the
vibration and dynamic tests on the I - II Interstage. The purpose of
the test is to support and confirm the structural design of the inter-
stage raceway disconnect beam under flight dynamic load conditions.
Title
Calibration Requirements Summaries, Organizational and Field

Description
Contains measurement requirements for the Organizational and Field Level Maintenance of AVE, OGE, MGE, RPIE and VAFB CTL/OM equipment and systems. Includes the range and accuracies of the quantities to be measured by each specific device comprising the chain of equipment from the operational system to the base Precision Measurement Equipment Laboratory.

Purpose and Scope
To serve as a tool to be used to evaluate existing, or establish new calibration standards based upon airborne and ground system operational characteristics. Will support the operational and training systems at organizational, field and depot levels.

References and Remarks
AFBSO Exhibit 62-62
Title

Wing VI VAFB AGE PDR Report

Description

This document is part of WS-133B VAFB peculiar aerospace ground equipment preliminary design review. It will contain the results of the preliminary design of the above equipment.

Purpose and Scope

To present the results of preliminary design conducted on WS-133B VAFB peculiar aerospace ground equipment.

References and Remarks

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ANR Chanute Flt 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6815-10-6
Title

Model Specification, Ground System and Ground to Missile Subsystem Integration (S-133-2110-0-1) (U)

Description

The specification establishes the requirements for integration and acceptance testing of CTLI ground systems and CTLI ground system and missile subsystems integration.

Purpose and Scope

Contractual document - definitizes CTLI ground system requirements at VAFB.

References and Remarks

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REV SYM

BOEING

NO. D2-30032-1A
SECT. PAGE 386

2-8142-5
Title

Model Specification, Trainer-Test Group, Guided Missile
(S-133-1006-0-2)

Description

The specification covers one type of subsystem which provides the necessary equipment for modification of an HSM-60C missile to the configuration suitable for launching at non-operational targets.

Purpose and Scope

Contractual document - definitizes the components and requirements applicable to the CTLI airborne kit.

References and Remarks

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AFR  
Chamuna  
Fit 77  
Wing I  
Wing II  
Wing III  
Wing IV  
Wing V  
Wing VI  
Other

2-6015-10-6
Title

Model Specification Guided Missile, Trainer - Test,
(S-133-1000-3-3) (U)

Description

This specification establishes the variations from the HSM-80C missile necessary to define configuration, subsystem performance and acceptance test requirements following modification of an HSM-80C missile to provide CTLI functions.

Purpose and Scope

Contractual Document - Definitizes the components and requirements applicable to the Guided Missile, Trainer Test.

References and Remarks

Requirement | AF Approval Required | Single Release Only | Updating Required | Security Classification | New Document | Revision Symbol | Scheduled Release
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AF Inhouse yes | no | | | | | | 
X | X | X | C | X |

Data Required At:

- Seattle
- VAFB
- AMR
- Chanute
- Ft. 77
- I Wing
- II Wing
- III Wing
- IV Wing
- V Wing
- VI Wing
- Other

2-6015-10-6
**Title**

Model Specification, Instrumentation Group, Guided Missile Trainer-Test, (S-135-1006-1-C-2) (U)

**Description**

The specification covers one type of subsystem which provides Telemetering and Destruct functions when installed on a HSM-60C missile.

**Purpose and Scope**

Contractual Document - Definitizes the components and requirements applicable to the Instrumentation Group.

**References and Remarks**

Figure A 6350 Revision 6A.

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REV SYM

SITING NO. D2-30032-1A

SECT. PAGE 389
Title

Model Specification Power and Control Subsystem, CTLI (S-133-2110-1-0-1)

Description

The specification covers one type of subsystem which provides power and control for CTLI checkout and countdown.

Purpose and Scope

Contractual Document - Definitizes CTLI power and control subsystem requirements at VAFB.

References and Remarks

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2-6815-10-6
Title

Model Specification, Launch Complex Safety Subsystem (S-133-2110-2-0-1)

Description

The specification covers one type of subsystem which provides the Launch Complex Safety Officer with information and control capability required to assure adequate personnel safety within the launch complex area.

Purpose and Scope

Contractual Document - Defines CTLI Launch Complex Safety Subsystem Requirements at VAFB.

References and Remarks

Requirement

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2-6015-10-6
Model Specification Subsystem, RF Transmission and Relay Links (S-133-2110-3-0-1) (U)

Description

The specification covers one type of subsystem which relays radio frequency energy between missile-borne equipment and remote ground stations for open-loop and closed-loop testing of the missile-borne equipment.

Purpose and Scope

Contractual Document - Definitizes CTLI RF Transmission and Relay Links subsystem requirements at VAFB.

References and Remarks

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Seattle VAFB, AME, Chanute, Plt 77, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VI, Other

2-6815-10-6
Title
Model Specification, DOIB Subsystem Assembly and Test
(S-133-2110-4-0-1)

Description
The specification covers one type of subsystem which provides the capability for modifying operational missiles for use in Combat Training Launch operations.

Purpose and Scope
Contractual Document - Definitizes the DOIB subsystem requirements at VAPB.

References and Remarks

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- Plt 77
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- Wing II
- Wing III
- Wing IV
- Wing V
- Wing VI
- Other

2-6015-10-6
**DATA REQUIREMENT INFORMATION (DRI)**

|-----------|----------|------------------------|----------------|----------|

**Title**
Model Specification, Assembly and Test Subsystem, SMSB, CTLI (S-133-2110-5-0-1)

**Description**
The specification covers one type of subsystem which provides the capability for mating and for testing and verifying the functional status of the CTLI airborne wafer, Section 39, and the MGS, Section 42, both separately and integrated.

**Purpose and Scope**
Contractual Document - Definizes the CTLI SMSB subsystem requirements at VAPB.

**References and Remarks**

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**REV SYM**

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<td>PAGE 394</td>
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**Title**
Model Specification, Launch Area Test Subsystem
(S-133-2110-6-0-1)

**Description**
The specification covers one type of subsystem used for CTLI
ground equipment checkout in a Launch Facility prior to a launch.

**Purpose and Scope**
Contractual Document - Definitizes the CTLI Launch Area Test
Subsystem at VAFB.

**References and Remarks**

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Seattle, VAFB, ANH Channel F177, Wing I, Wing II, Wing III, Wing IV, Wing V, Wing VII, Other

2-60715-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No. 4.2
Data Ident. No. D2-30338

Title
Model Specification, Test Repair Set, Cooler, Guidance Section
(S-133-120-6-49)

Description
This specification sets forth the requirements and tests necessary to define
and ensure the Test Repair Set, Cooler, Guidance Section, Figure A 4150
Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Test Repair Set,
Cooler, Guidance Section.

References and Remarks

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Ft. Bragg, NC
Champlin, MN
Wing, IV, V, VI, Planes

2-8815-10-6

REV SYM.
DATA REQUIREMENT INFORMATION (DRI)

Title

Model Specification, Test Set, Guidance Section Liquid Cooler
(S-133-121-3-1-138)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Test Set, Guidance Section Liquid Cooler, Figure A 3035 Revision 6A.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Test Set, Guidance Section Liquid Cooler.

References and Remarks

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Seattle, VAFB, AR, Camp, Fit 77, Wing I, II, III, IV, V, VI, Other

2-6815-10-6

REV SYM ___________
Title
Model Specification, Cooler, Liquid, Guidance Section (S-133-111-1-99)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Cooler, Liquid, Guidance Section, Figure A 12ih Revision 6A.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Cooler, Liquid, Guidance Section.

References and Remarks

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2-6815-10-6

REV SYM

Boeing No. D2-30032-1A
DATA REQUIREMENT INFORMATION (DRI)

Title
Detail Test Plan Section 47 R&D Cable Staging Connector Dynamic Test

Description
The document contains a detailed test plan for conducting a vibration test and a dynamic actuation test on the R&D Cable Staging Connector.

Purpose and Scope
To present test procedure and requirements relative to conducting the vibration and dynamic test on the R&D cable staging connector installation under dynamic flight load conditions.

References and Remarks
D2-30288-1 "Detail Test Plan Raceway Dynamic Test"

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REV SYM

2-6815-10-6

BOEING

NO. D2-30032-1A
SECT. PAGE 399
Model Specification Liquid Cooling Equipment, Ground, Guidance and Control, CTLI
(S-133-2110-5-20)

This specification sets forth the requirements and tests necessary to define and ensure the Liquid Cooling Equipment, Ground, Guidance and Control, CTLI, Figure A 9278 Revision 6A.

Purpose and Scope

To provide a vehicle for Air Force acceptance of the Liquid Cooling Equipment, Ground, Guidance and Control, CTLI.
###Title
Identification Specification Cable Assembly Set, Electrical, SNSB, CTLI (S-133-2110-5-23)

###Description
This specification sets forth the requirements and tests necessary to define and ensure the Cable Assembly Set, Electrical, SNSB, CTLI, Figure A 9197 Revision 6A.

###Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Cable Assembly Set, Electrical, SNSB, CTLI.

###References and Remarks

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- AMR
- Chanute
- 77 Wing
- I Wing
- II Wing
- III Wing
- IV Wing
- V Wing
- VI Wing
- Other

REV SYM________

BOEING NO. D2-30032-1A

SECT.  PAGE 401
Title
Identification Specification Lead Set, Test, G&C Checkout, CTLI
(S-133-2110-5-22)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Lead Set, Test, Guidance and Control Checkout, Combat Training Launch Instrumentation, Figure A 9279 Revision 6AV.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Lead Set, Test, G&C Checkout, CTLI.

References and Remarks

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REV SYM_______

BOEING NO. D2-30032-1A
SECT. PAGE 402
Title

Identification Specification Cabling, Ground, CTLI Control Center (S-133-2110-1-10)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Cabling, Ground, CTLI Control Center, Figure A 9191, Revision 6AV.

Purpose and Scope

To provide a vehicle for Air Force acceptance of the Cabling, Ground, CTLI Control Center.

References and Remarks

**Requirement**

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| X | 2-6015-10-6 |

REV SYM

BOEING NO. D2-30032-1A

SECT. PAGE 403
**Title**
Identification Specification Modification Kit, Refire, Launch Area, CTL
(5-13-111-8-13)

**Description**
This specification sets forth the requirements and tests necessary to define
and ensure the Modification Kit, Refire, Launch Area, CTL, Figure A 92h1
Revision 6AV.

**Purpose and Scope**
To provide a vehicle for the Air Force acceptance of the Modification Kit,
Refire, Launch Area, CTL.

**References and Remarks**

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REV SYM
Title
Identification Specification Kit, Modification, Base Adapter Ring, Combat Training Launch Instrumentation (S-133-2110-I-20)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Kit, Modification, Base Adapter Ring, CTLI, Figure A 9176 Revision 6AV.

Purpose and Scope
To provide a vehicle for the Air Force acceptance of the Kit, Modification, Base Adapter Ring, CTLI.
Title

(S-133-2110-5-21)

Description

This specification sets forth the requirements and tests necessary to define and ensure the Power Supply Set, G&C Checkout, CTH, Figure A 9277 Revision 6AV.

Purpose and Scope

To provide a vehicle for the Air Force acceptance of the Power Supply Set, G&C Checkout, CTH.

References and Remarks

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2-6015-10-6
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No. 1.2
Data Ident. No. D2-30351.

Title
Model Specification Console, Launch Complex Safety, Combat Training Launch Instrumentation
(S-133-2110-2-2)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Console, Launch Complex Safety, CTLI, Figure A 9101 Revision 6AV.

Purpose and Scope
To provide a vehicle for Air Force acceptance of the Console, Launch Complex Safety, CTLI.

References and Remarks

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- Flt 77, Wing I
- Wing II
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- Wing IV
- Wing V
- Wing VI
- Other

2-6815-10-6

REV SYM

BOEING NO. D2-30032-1A
SECT. PAGE 407
Title
Model Specification Console, Monitor and Control, Combat Training Launch Instrumentation
(S-133-2110-1-9)

Description
This specification sets forth the requirements and tests necessary to define and ensure the Console, Monitor and Control, CTM, Figure A 9100 Revision 6AV.

Purpose and Scope
To provide a vehicle for Air Force acceptance of the Console, Monitor and Control, CTM.

References and Remarks
**Minuteman AMR Field Test Report FTM HH9 - Missile Assembly and Ground Test Operations (U)**

**Description**

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope**

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM HH9.

**References and Remarks**

Prepared by The Boeing Company from information furnished by the Associate Contractors.

**Maintained:**
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Records:**
- Yes
- No

**In-House Records:**
- Yes
- No

**A/P Approval Records:**
- Yes
- No

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- VAFB
- AMR
- Chanute
- PLT 77
- WING I
- WING II
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- WING VI
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- WING VIII
- Other

**Authority:**
- Contract No.
- 266
- CCM
- Contract Ref.

**PARA NO.:**
- 702.6.10

**W.O. No.:**
- Work Reg. No.

**FWA No.:**
- 702.6.10

**REVISION:**
- 0

**DOEING NO.:**
- D2-30032-1A

**Page:**
- 409
**Title:** Minuteman AMR Field Test Report FTM 149 - Flight Test

**Description:** Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

**Purpose and Scope:** To record and report the results of the final countdown, launch, and flight of FTM 149. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**References and Remarks:**

**Maintenance:** Annually __________ Semi-Annually __________ Quarterly __________ Monthly __________ Bi-Weekly __________ Weekly __________ Single Release __________ As Required __________

A/P Review: Yes __________ No __________ In-House Review: Yes __________ No __________ A/P Approval Req'd: Yes __________ No __________

**Classification:** Secret __________ Confidential __________ Unclassified __________ New __________ Revision __________

**Document Required At:**

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- **WING X:** __________
- **OTHER:** __________

**Authority:** Contract No. __________

**Para. No.** 72-6-10 W/O No. __________ Work M/G No. __________ EWA No. __________
**Title:** Minuteman AMF Field Test Report FTM 450 - Missile Assembly and Ground Test Operations (U)

**Description:**

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope:**

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 450.

**Prepared by:** The Boeing Company from information furnished by the Associate Contractors.
Minuteman AMR Field Test Report FTM H50 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

To record and report the results of the final countdown, launch, and flight of FTM H50. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives wherever possible.
**Title:** Minuteman AMR Field Test Report FTM 151 - Missile Assembly and Ground Test Operations (U)

**Description:**
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope:**
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 151.

**Prepared by The Boeing Company from information furnished by the Associate Contractors.**

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**Boeing No.:**

| D2-30032-1A   |

**Page:** 413
Minuteman AMR Field Test Report FTM h51 - Flight Test

DESCRIPTION
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

PURPOSE AND SCOPE
To record and report the results of the final countdown, launch, and flight of FTM h51. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________ WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________

A/P ROOM: YES ________ NO ________ IN-HOUSE ROOM: YES ________ NO ________ A/P APPROVAL RECEIVED: YES ________ NO ________

CLASSIFICATION: SECRET ________ CONFIDENTIAL ________ UNCLASSIFIED ________ NEW ________ REVISION ________

DOCUMENT REQUIRED AT: SEATTLE ________ VAFB ________ AME ________ CHANUTE ________ PLT P7 ________ WING I ________

WING II ________ WING III ________ WING IV ________ WING V ________ WING VI ________ WING VII ________ WING VIII ________ WING IX ________ OTHER ________

AUTHORITY: CONTRACT NO. ________ CCN ________ CONTRACT REF. ________

PARS. NO. ________ W.O. NO. ________ WORK ENG. NO. ________ EWA NO. ________

BOEING NO. ________

REV SYM ________
Minuteman AMR Field Test Report FTM 452 - Missile Assembly and Ground Test Operations  (U)

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 452.

Prepared by The Boeing Company from information furnished by the Associate Contractors.

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DOCUMENT REQUIRED AT:  
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- WING VII
- WING VIII
- OTHER

AUTHORITY: CONTRACT NO. 266

DOEING NO. D2-30032-1A

PAGE 415
Minuteman AHR Field Test Report FTM 152 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

To record and report the results of the final countdown, launch, and flight of FTM 152. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AHR Field Test Report FTM 453 - Missile Assembly and Ground Test Operations (U)

Description:
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

Purpose and Scope:
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 453.

References and Remarks:
Prepared by The Boeing Company from information furnished by the Associate Contractors.
Minuteman III Field Test Report FTM 453 - Flight Test

**Description:**
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

**Purpose and Scope:**
To record and report the results of the final countdown, launch, and flight of FTM 453. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMR Field Test Report FTM 154 - Missile Assembly and Ground Test Operations (0)

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 154.

Prepared by The Boeing Company from information furnished by the Associate Contractors.
Minuteman AMR Field Test Report FTN 45½ - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance evaluation, launcher performance evaluation, and instrumentation performance evaluation.

To record and report the results of the final countdown, launch, and flight of FTN 45½. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Title: Minuteman AMR Field Test Report FTM U55 - Missile Assembly and Ground Test Operations (U)

Description:
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

Purpose and Scope:
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM U55.

References and Remarks:
Prepared by The Boeing Company from information furnished by the Associate Contractors.
Minuteman AMH Field Test Report FTM 455 - Flight Test

DESCRIPTION
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

PURPOSE AND SCOPE
To record and report the results of the final countdown, launch, and flight of FTM 455. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

REFERENCES AND REMARKS

MAINTAINED: ANNUALLY SEMI-ANNUALLY QUARTERLY MONTHLY BI-WEEKLY WEEKLY SINGLE RELEASE X AS REQUIRED

A/P REQUEST: YES NO IN-HOUSE REQUEST: YES NO A/P APPROVAL REQUIRED: YES NO

CLASSIFICATION: SECRET X CONFIDENTIAL UNCLASSIFIED NEW X REVISION

DOCUMENT REQUIRED AT: SEATTLE X VANCOUVER X AMERICA X CHANGIE PLT 77 WING I
X WING II X WING III X WING IV X WING V X WING VI X WING VII X WING VIII
WING IX X WING X X OTHER

AUTHORITY: CONTRACT NO. 266 CON CONTRACT REF.
PARA. NO. 7.2.6.2.10 W.O. NO. WORK PKG. NO. WAVE NO.

Boeing No. D2-30032-1A

Sec. Page 422
Minuteman AHR Field Test Report FTM 156 - Missile Assembly and Ground Test Operations (U)

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 156.

Prepared by The Boeing Company from information furnished by the Associate Contractors.
Minuteman AMR Field Test Report FTM 456 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

PURPOSE AND SCOPE

To record and report the results of the final countdown, launch, and flight of FTM 456, limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

REFERENCES AND REMARKS

MAINTAINED:

ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ BI-WEEKLY ______ WEEKLY ______ SINGLE RELEASE ______ AS REQUIRED ______

A/P MODE ______ YES ______ NO ______ IN-HOUSE MODE ______ YES ______ NO ______ A/P APPROVAL MODE ______ YES ______ NO ______

CLASSIFICATION:

SECRET ______ CONFIDENTIAL ______ UNCLASSIFIED ______ NEW ______ REVISION ______

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AUTHORITY:

CONTRACT NO. ______ 266 ______ CN ______ CONTRACT REP. ______

NUMBER ______ 72.6.10 ______ W.O. NO. ______ WORK REG. NO. ______ EWA NO. ______
## Title
Minuteman AMR Field Test Report FTM 457 - Missile Assembly and Ground Test Operations (U)

## Description
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

## Purpose and Scope
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 457.

## References and Remarks
Prepared by The Boeing Company from information furnished by the Associate Contractors.

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### REFERENCES AND REMARKS
Prepared by The Boeing Company from information furnished by the Associate Contractors.

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### MAINTAINED
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

### A/P NUM
- YES
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- YES
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- YES
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- NEW
- REVISION

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- OTHER

### AUTHORITY
- CONTRACT NO.
- 266
- CCN
- CONTRACT REF.
- PARA. THRU
- 7.2.6.10
- WORK Pg.
- NO.
- EWA NO.

### REV SYM

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### SECURITY
- NO.
- D2-30032-1A

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### PAGE
- PAGE 425
**Title:** Minuteman AMR Field Test Report FTM 457 - Flight Test

**Description:**
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

**Purpose and Scope:**
To record and report the results of the final countdown, launch, and flight of FTM 457. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**References and Remarks:**

**Maintenance:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Request:**
- Yes
- No

**In-House Request:**
- Yes
- No

**A/P Approval Request:**
- Yes
- No

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- VAFB
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- WING I
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**Authority:**
- Contract No.: 266
- CN:
- Contract #: 1

**Boeing:**
- NO. D2-30032-1A
- SEC.
- 426
Minuteman AFR Field Test Report FTM H58 - Missile Assembly and Ground Test Operations (U)

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM H58.

Prepared by The Boeing Company from information furnished by the Associate Contractors.

Document Requirement & Development Notice (DRD)

Title: Minuteman AFR Field Test Report FTM H58 - Missile Assembly and Ground Test Operations (U)

Requirements:
- Semi-Annually
- As Required

Classification:
- CONFIDENTIAL
- UNCLASSIFIED

Prepared by:
- The Boeing Company

Information furnished by:
- Associate Contractors

Contract No.: 265

Page: 427
Minuteman AHR Field Test Report FTM 458 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

PURPOSE AND SCOPE

To record and report the results of the final countdown, launch, and flight of FTM 458. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

REFERENCES AND REMARKS

MAINTAINED:

- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
- WEEKLY
- SINGLE RELEASE
- AS REQUIRED

A/F MODEL

- YES
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- IN-HOUSE RELEASE
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CLASSIFICATION:

- SECRET
- CONFIDENTIAL
- CLASSIFIED
- UNCLASSIFIED
- NEW
- REVISION

DOCUMENT REQUIRED AT:

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- CHANUTE
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- WING VII
- WING VIII
- OTHER

AUTHORITY:

- CONTRACT NO.
- 266
- CEN
- CONTRACT REP.
- PARA. NO.
- 7.2.6.10
- W.O. NO.
- WORK P/L NO.
- EAW NO.
Minuteman AHR Field Test Report FTM 459 - Missile Assembly and Ground Test Operations (U)

**Description**

Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope**

To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 459.

**Prepared by**

Prepared by The Boeing Company from information furnished by the Associate Contractors.

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Minuteman AIC Field Test Report FTM 459 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

To record and report the results of the final countdown, launch, and flight of FTM 459. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
**Title:** Minuteman AMH Field Test Report FTM 160 - Missile Assembly and Ground Test Operations (U)

**Description:**
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope:**
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 160.

**Prepared by:** The Boeing Company from information furnished by the Associate Contractors.

**References and Remarks:**

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**Maintenance:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Record:**
- Yes
- No
- In-House Record

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- VAFB
- ANHE (X)
- CHAMPA
- PLT 77
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- WING X
- OTHER

**Authority:**
- Contract No.: 266
- CCN
- Contract Ref.

**Revised:**
- Rev 34M

**Boeing No.:** D2-30032-1A

**Page:** 43
### Title
Minuteman AMH Field Test Report FIM 460 - Flight Test

### Description
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

### Purpose and Scope
To record and report the results of the final countdown, launch, and flight of FIM 460. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

### References and Remarks

### Maintained
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-weekly
- Weekly
- As Required

### A/P Remote
- Yes
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- Yes
- No

### A/P Approval Req'd
- Yes
- No

### Classification
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- Confidential
- Unclassified

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- Seattle
- VAFB
- AMH
- CAMPA
- PLF 77
- Wing I
- Wing II
- Wing III
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- Wing VI
- Wing VII
- Wing VIII
- Other

### Authority
- Contract No.
- 266
- CCN

### PARA No.
- 72.6.10
- W.O. No.
- Work Plg. No.
- EWA No.
**Minuteman AMR Field Test Report FTM 61 - Missile Assembly and Ground Test Operations (U)**

**Description:**
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

**Purpose and Scope:**
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 61.

**References and Remarks:**
Prepared by The Boeing Company from information furnished by the Associate Contractors.

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Minuteman AAR Field Test Report FTM 161 - Flight Test

Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

To record and report the results of the final countdown, launch, and flight of FTM 161. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMR Field Test Report FTM 462 - Missile Assembly and Ground Test Operations (U)

DESCRIPTION
Covers test objectives, summary, conclusions and recommendations, operations sequence, receiving and inspection, missile assembly, missile electrical testing, launch area testing, and reliability.

PURPOSE AND SCOPE
To record, evaluate, and report the receiving, assembly, test, and preparation for launch of FTM 462.

REFERENCES AND REMARKS
Prepared by The Boeing Company from information furnished by the Associate Contractors.
Title: Minuteman ANH Field Test Report FTM 462 - Flight Test

Description:
Covers test objectives, test summary, conclusions and recommendations, missile performance, evaluation, launcher performance evaluation, and instrumentation performance evaluation.

Purpose and Scope:
To record and report the results of the final countdown, launch, and flight of FTM 462. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

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| CLASSIFICATION: | SECRET | CONFIDENTIAL | UNCLASSIFIED | NEW | REVISION |

Document Required At:
- WING I
- WING II
- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII

Authority:
- CONTRACT NO.: 266
- CONTRACT REP.:
Title: Minuteman AMR Field Test Report FTM U63
Missile Assembly and Ground Test Operations (U)

Description:
Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

Purpose and Scope:
To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM U63.

References and Remarks:
Prepared by The Boeing Company from information furnished by the Associate Contractor.

Reviewed by:

Approved by:

Prepared by:

Issued by:

Controlled help by:

Issued Date:

Contractor:

Project Manager:

Program Manager:

Revision:

Document Control:

Page 437
**Title:** Minuteman AHR Field Test Report FTM H63 - Flight Test (U)

**Description:**
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

**Purpose and Scope:**
To record and report the results of the final countdown, launch and flight of FTM H63. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**References and Remarks:**

**Maintained:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release (X)
- As Required

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- Yes (X)
- No

**In-House Remote:**
- Yes
- No

**A/H Approval Req'd:**
- Yes
- No (X)

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

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- WING 1
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- WING VI
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- WING VIII
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- WING X
- OTHER

**Authority:**
- CONTRACT NO.: 266
- CCH

**Para. No.:**
- 3.2.6.10
- W.O. No.
- Work Reg. No.
- ERD No.
**Title:** Minuteman AMR Field Test Report FTM 4614
Missile Assembly and Ground Test Operations (U)

**Description:**

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

**Purpose and Scope:**

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 4614.

**Prepared by:** The Boeing Company from information furnished by the Associate Contractor.
**Title:** Minuteman AIM-9 Field Test Report FTM 464 - Flight Test (U)

**Description:**
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

**Purpose and Scope:**
To record and report the results of the final countdown, launch and flight of FTM 464. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**References and Remarks:**

**Maintained:**
- Annually
- Semi-Annually
- Quarterly
- Monthly
- Bi-Weekly
- Weekly
- Single Release
- As Required

**A/P Rept:**
- Yes
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- A/P Approval Req'd
- Yes
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**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

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- Para No.
- 726610
- W.O. No.
- Work Pkg. No.
- ERW No.

**Boeing No.:** D2-30032-1A

**BOEING:**

**Page:** 440
Minuteman II Field Test Report FTM 665
Missile Assembly and Ground Test Operations  (U)

**DESCRIPTION**

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

**PURPOSE AND SCOPE**

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 665.

**REFERENCES AND REMARKS**

Prepared by The Boeing Company from information furnished by the Associate Contractor.

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**SEC.**

| PAGE 441 |
### Title
Minuteman AHR Field Test Report FTM 465 - Flight Test (U)

### Description
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

### Purpose and Scope
To record and report the results of the final countdown, launch and flight of FTM 465. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

### References and Remarks

### Maintained:
- **Annually**
- **Semi-Annually**
- **Quarterly**
- **Monthly**
- **Bi-Weekly**
- **Weekly**
- **Single Release**
- **As Required**

### A/P Room:
- **Yes**
- **No**
- **In-House Room**
- **Yes**
- **No**
- **A/P Approval Req**
- **Yes**
- **No**

### Classification:
- **Secret**
- **Confidential**
- **Unclassified**
- **New**
- **Revision**

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### Authority:
- **Contract No.**
- **CCH**
- **Contract Ref.**

### Remarks:

### Security:
**BOEING**
- **No.**
- **DO-30032-1A**

### Page:
**442**
Minuteman AMR Field Test Report FTM 466
Missile Assembly and Ground Test Operations (U)

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 466.

Prepared by The Boeing Company from information furnished by the Associate Contractor.

MAINTAINED: ANNUALLY ______ SEMI-ANNUALLY ______ QUARTERLY ______ MONTHLY ______ B/WEEKLY ______ WEEKLY ______ SINGLE RELEASE ______ A.S.REQUIRED ______

A/P RIGHT YES ______ NO ______ IN-HOUSE RIGHT YES ______ NO ______ A/P APPROVAL REQD ______ YES ______ NO ______

CLASSIFICATION: SECRET ______ CONFIDENTIAL ______ UNCLASSIFIED ______ NEW ______ X ______ REVISION ______

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AUTHORITY: CONTRACT NO. ______-466 ______ CEN ______ CONTRACT REF. ______

PARA. NO. ______ 7.2.8.10 ______ W.O. NO. ______ WORK PROG. NO. ______ EWA NO. ______
Title: Minuteman IIR Field Test Report FTH 166 - Flight Test (U)

Description:
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

Purpose and Scope:
To record and report the results of the final countdown, launch and flight of FTH 166. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

References and Remarks:

Maintained:
- ANNUALLY
- SEMI-ANNUALLY
- QUARTERLY
- MONTHLY
- BI-WEEKLY
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- SINGLE RELEASE
- AS REQUIRED

A/P Remote:
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In-House Remote:
- YES
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- YES
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Classification:
- SECRET
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- NEW
- X
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Authority:
- CONTRACT NO.
- CCN

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- 7.2.6.10
- W.O. No.
- WORK PKG. NO.
- EWA NO.

Rev Sym:

Boeing No.
- D2-30032-1A

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Minuteman AMF Field Test Report FTM 457
Missile Assembly and Ground Test Operations (U)

Gives Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 457.

Prepared by The Boeing Company from information furnished by the Associate Contractor.

MAINTAINED: ANNUALLY ____________ SEMI-ANNUALLY ____________ QUARTERLY ____________ MONTHLY ____________ BI-WEEKLY ____________
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AUTHORITY: CONTRACT NO. ____________ CON ____________ CONTRACT REF. ____________
PARA. NO. ____________ W.O. NO. ____________ WORK PER. NO. ____________ EWA NO. ____________
Title: Minuteman AHR Field Test Report FTM L67 - Flight Test (U)

Description:
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

Purpose and Scope:
To record and report the results of the final countdown, launch and flight of FTM L67. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMR Field Test Report FTM U68
Missile Assembly and Ground Test Operations (U)

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

PURPOSE AND SCOPE

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM U68.

REFERENCES AND REMARKS

Prepared by The Boeing Company from information furnished by the Associate Contractor.
**Minuteman Ablit Field Test Report FTM 468 - Flight Test (U)**

**DESCRIPTION**

Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

**PURPOSE AND SCOPE**

To record and report the results of the final countdown, launch and flight of FTM 468. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**REFERENCES AND REMARKS**

*Not applicable.*

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- NO

**A/P APPROVAL REG#:**

- YES X
- NO

**CLASSIFICATION:**

- SECRET
- CONFIDENTIAL
- UNCLASSIFIED
- NEW X
- REVISION

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- 5-614-30-3

**BOEING NO.:**

- 02-30032-1A

**PAGE:**

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Minuteman AMR Field Test Report FTM 469
Missile Assembly and Ground Test Operations (U)

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

Purpose and Scope

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 469.

References and Remarks

Prepared by The Boeing Company from information furnished by the Associate Contractor.

Maintained: Annually __________ Semi-Annually __________ Quarterly __________ Monthly __________ Bi-Weekly __________ Weekly __________ Single Release __________ As Required __________

A/P Reqmt: Yes X No _______ In-House Reqmt: Yes _______ No _______ A/P Approval Reqmt: Yes _______ No _______

Classification: Secret _______ Confidential X _______ Unclassified _______ New _______ Revision X _______

Document Required At: Seattle X VAFB _______ AMR X _______ CHAPMS __________ PLT 77 _______ WING I _______

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WING IX _______ WING X _______ OTHER _______

Authority: Contract No. ____________ CCN _______ Contract Rep. _______

Para. No. ____________ W.O. No. _______ Work Pkg. No. _______ EWMA No. _______

REV SYM ____________

BOEING NO. D2-30032-1A
Minuteman AHR Field Test Report FTM L69 - Flight Test (U)

Cover Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

To record and report the results of the final countdown, launch and flight of FTM L69. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMF Field Test Report FTM H70
Missile Assembly and Ground Test Operations (U)

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations
Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical
Testing, Launch Area Testing, and Reliability.

To record, evaluate and report the receiving, assembly, test and preparation
for launch of FTM H70.

Prepared by The Boeing Company from information furnished by the Associate
Contractor.
Title: Minuteman AHI Field Test Report FTH 470 - Flight Test (U)

Description:
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

Purpose and Scope:
To record and report the results of the final countdown, launch and flight of FTH 470. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMH Field Test Report FTM 471
Missile Assembly and Ground Test Operations  (U)

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 471.

Prepared by The Boeing Company from information furnished by the Associate Contractor.
Minuteman AIM Field Test Report FTH 471 - Flight Test (U)

Description:

Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

Purpose and Scope

To record and report the results of the final countdown, launch and flight of FTH 471. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.
Minuteman AMF Field Test Report FTM L72
Missile Assembly and Ground Test Operations

DESCRIPTION

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

PURPOSE AND SCOPE

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM L72.

REFERENCES AND REMARKS

Prepared by The Boeing Company from information furnished by the Associate Contractor.
Minuteman IIB Field Test Report FTM 172 - Flight Test (U)

**Title**
Minuteman IIB Field Test Report FTM 172 - Flight Test (U)

**Description**
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

**Purpose and Scope**
To record and report the results of the final countdown, launch and flight of FTM 172. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

**References and Remarks**

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**Page**

| PAGE | 156 |
Minuteman AMR Field Test Report FTM 473
Missile Assembly and Ground Test Operations (U)

**Description**

Covers Test Objectives, Summary, Conclusions and Recommendations, Operations Sequence, Receiving and Inspection, Missile Assembly, Missile Electrical Testing, Launch Area Testing, and Reliability.

**Purpose and Scope**

To record, evaluate and report the receiving, assembly, test and preparation for launch of FTM 473.

**References and Remarks**

Prepared by The Boeing Company from information furnished by the Associate Contractor.

**Maintenance**

ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________

WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________

A/P REPAIRS:

YES ________ NO ________ IN-HOUSE REPAIR ________ YES ________ NO ________ A/P APPROVAL REQUIRED ________ NO ________

**Classification:**

SECRET ________ CONFIDENTIAL ________ UNCLASSIFIED ________ NEW ________ REVISION ________

**Document Required At:**

SEATTLE ________ VAFB ________ AMR ________ CHANUTE ________ PLT 77 ________ WING I ________

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WING IX ________ OTHER ________

**Authority:**

CONTRACT NO. ________ CCM ________ CONTRACT REP. ________

PARA. NO. ________ W.O. NO. ________ WORK P/L NO. ________ DIV. NO. ________

**Boeing No.:** DZ-0022-1A

**Page:** 457
Title: Minuteman AHR Field Test Report FTM 473 - Flight Test (U)

Description:
Covers Test Objectives, Test Summary, Conclusions and Recommendations, Missile Performance Evaluation, and Instrumentation Performance Evaluation.

Purpose and Scope:
To record and report the results of the final countdown, launch and flight of FTM 473. Limited to determination of gross missile performance, resolution of known and apparent problem areas, and determination of fulfillment of test objectives where possible.

Classifications:
* NO-CHT
* IN-NOUS
* KQMT YfS
* CONFIDENTIAL
* UNCLASSIFIED

Boeing No. D2-30032-1A
Rev Sym
### Final Test Report Static Confirmation Test Program - WS-1338

#### Description
The static confirmation test program is to substantiate the structural capability of the Wing VI missile interstages, G & C section, and 1st stage skirt.

A secondary objective of the test is to determine the ultimate capability of these components for the critical loads and environmental conditions.

#### Purpose and Scope
The final test report is to present the results of the Wing VI Static Confirmation test program.

#### References and Remarks

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**REVISION:** 459
Title

Minuteman Program Procedures - Transportation and Handling - 1st, 2nd, and 3rd Stage Minuteman Rocket Motors

Description

Defines the responsibilities of the engine manufacturer associate contractors for transportation and handling of Minuteman engines during the research and development program. Detail procedural information is provided for loading or unloading each engine on and off its respective items of transporting equipment. Procedures are also given for transferring the engine from one item of handling equipment to another.

Purpose and Scope

To fulfill the requirement for information to support the transportation and handling of Minuteman rocket motors, prior to turnover of the weapon system to the Air Force.

References and Remarks

Published internally to Boeing as D2-7429.

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Data Required At:

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2-6815-10-6

REV SYM

BOEING  NO. D2-30032-1A

SECT.  PAGE 460
DATA REQUIREMENT INFORMATION (DRI)

Contract: 266
Item No.: 13.1.3
Data Ident. No.: 6600.33.151

Title
Maintenance Instructions for Minuteman Rocket Engine Handling and Transporting Equipment.

Description
Contains maintenance instructions for the first stage transporter, the second and third stage transporters, the engine handling dollies, and various items of auxiliary equipment such as harnesses, winch assemblies, and special tie-down fixtures.

Purpose and Scope
To provide information for maintenance of equipment used in the transportation and handling of Minuteman engines during the research and development program, prior to turnover of the weapon system to the Air Force.

References and Remarks
Published internally to Boeing as D2-1926-1.

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Table: 2-6015-10-6

REV SYM

BOEING NO. D2-30032-1A

SECT.

PAGE 461
DATA REQUIREMENT INFORMATION (DRI)

Contract: -266
Item No. 7.2.6.11.5
Data Ident. No. 2-8355-0-

Title
Final Weight Report - FTM #2 (U)

Description
Contains missile identification, a weight and center of gravity table, a Summary Weight Statement, a Detail Weight Statement, a Weighing Data Sheet, items to be added or subtracted, balance calculations, curves of weight and center of gravity versus fuel consumed, elevation and plan views, a list of Government furnished airborne equipment and weights, a tabulation of incorporated changes, tabulation of contractually overweight or underweight condition, and sectionalized weight and balance data. Includes data collected up to and during flight test, and is based on F-I Actual Weight Report.

Purpose and Scope

To assist in establishing and maintaining weight and balance control of the HSM-80C missile.

References and Remarks
Coordination Sheet N2G Wts. #953 dated 13 March 63
Coordination Sheet N2G Wts. #956 dated 11 March 63
AFBSD Exhibit 62-95 dated 25 September 62
MIL-W-39417
STL Document 7720.6-552 dated 8 November 60

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Data Required At:
Seattle WA
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Wing I
Wing II
Wing III
Wing IV
Wing V
Wing VI
Other

SECT.
PAGE 463
The preceding DRI includes the following volumes:

#2-8355-0-119B
-450B  450
-451B  451
-452B  452
-453B  453
-454B  454
-455B  455
-456B  456
-457B  457
-458B  458
-459B  459
-460B  460
-461B  461
-462B  462
The Flight Proof Test Plan was presented at the R & D Instrumentation and Secondary Structure Preliminary Design Review January 23, 1963. The plan is contained within meeting notes APO l20 and presents information such as the subsystem configuration to be tested, the facilities required, the level and sequence of tests, and scheduled completion.

**Purpose and Scope**

To present the Flight Proof Test Plan in conjunction with the R & D Instrumentation and Secondary Structure Preliminary Design Review.
Boeing will continue to maintain, as a contractual requirement, D590-30, section 500, which includes or references procurement, acceptance testing and design information for all Minuteman Standard Electronic Parts or which reliability controls are established in the procurement specification. The Maintenance of this document will include revisions to incorporate necessary changes and the addition of new parts as procurement specifications are released.

Purposes and Scope

To coordinate a Minuteman Standard Parts handbook.

References and Remarks

Maintained: Annually ______ Semi-Annually ______ Quarterly ______ Monthly ______ Bi-Weekly ______ Weekly ______ Single Release ______ As Required ______

A/P Reqs: Yes ______ No ______ In-House Reqs: Yes ______ No ______ A/P Approval Req: Yes ______ No ______

Classification: Secret ______ Confidential ______ Unclassified ______ New ______ Revision ______

Document Required At: Seattle ______ VAFB ______ ANH ______ Chanute ______ PLT 77 ______ WING I ______ WING II ______ WING III ______ WING IV ______ WING V ______ WING VI ______ WING VII ______ WING VIII ______ Wing IX ______ Wing X ______ Other ______

Authority: Contract No. ______ CCN ______ Contract Ref. ______

Para. No. ______ Work Pkg. No. ______ EWR No. ______
DATA REQUIREMENT INFORMATION (DRI)

Contract. -266 and All
Item No. 17-1

Data Ident. No. D7-2076-

Title

Monthly Management Report

Description

Contains:
1. Financial Status Report of Contract
2. Funding Status Information Report
3. Manpower Planning (Section 1) Total Manpower Projection
4. Manpower Status Report

Purpose and Scope

To provide the Air Force with a complete, concise status of Boeing's financial and manpower position on Minuteman contracts. This document satisfies the requirement for the four individual reports listed above, the respective purposes of which are to: (1) provide information upon which expenditure management can be based, (2) indicate possible cost overruns and expenditure targets by month, (3) report the estimated personnel buildup or decrease by month for the next twelve months, and (4) report the actual manpower utilization during the current reporting period.

References and Remarks

Applies to both A&B Programs.
AFEM Exhibit 58-1
*Indicates month (-1 was December, 1958)

Submitted by electrical means per AFEM Exhibit 58-1, Paragraph 2.5, 2.6, 2.10, 2

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Seattle VAFB ANR Chamute Pit 77 Wing I Wing II Wing III Wing IV Wing V Wing VI Other

2-6015-10-6
DOCUMENT REQUIREMENT & DEVELOPMENT NOTICE (DRDN)

TITLE
CSA Criteria Document For Wing VI-VAFB

DESCRIPTION
Contains space and space allocation for all element utilization purposes. Drawings will define space configuration. Written explanation defines use and purpose of area outlined.

PURPOSE AND SCOPE
To define the requirements of space and utilization to provide architectural engineering and/or Boeing design group with guideline for design.

Scope: Equipment, and brick and mortar

REFERENCES AND REMARKS

VAFB Wing VI

MAINTAINED: ANNUALLY ________ SEMI-ANNUALLY ________ QUARTERLY ________ MONTHLY ________ BI-WEEKLY ________ WEEKLY ________ SINGLE RELEASE ________ AS REQUIRED ________

A/P REQ'D: YES ________ NO ________ IN-HOUSE REQ'D ________ YES ________ NO ________ A/P APPROVAL REQ'D ________ YES ________ NO ________

CLASSIFICATION: SECRET ________ CONFIDENTIAL ________ UNCLASSIFIED ________ NEW ________ REVISION ________

DOCUMENT REQUIRED AT: SEATTLE ________ VAFB ________ AAR ________ CHANUTE ________ PLT 77 ________ WING I ________

WING II ________ WING III ________ WING IV ________ WING V ________ WING VI ________ WING VII ________ WING VIII ________ WING IX ________ WING X ________ OTHER ________

AUTHORITY: CONTRACT NO. ________ CON ________ CONTRACT REF. ________

PARA. NO. ________ W.O. NO. ________ WORK Pkg. NO. ________ EWA NO. ________
### Phase II CSA Design Criteria Document

**Description**
Contains space and space allocation in square feet for all element installation purposes, drawings will define space configuration. Written explanation will define use and purpose of the outlined area.

**Purpose and Scope**
To define the requirements of space and utilization. To provide architectural engineering and/or Boeing design group with guideline for design.

Design criteria will contain location of equipment.

**References and Remarks**
Operational Wing VI

**Maintained:**
- **Annually:**
- **Semi-Annually:**
- **Quarterly:**
- **Monthly:**
- **Bi-Weekly:**
- **Weekly:**
- **Single Release:**
- **As Required:**

**A/F Reqmts:**
- Yes
- No

**In-House Reqmts:**
- Yes
- No

**A/F Approval Reqmts:**
- Yes
- No

**Classification:**
- Secret
- Confidential
- Unclassified
- New
- Revision

**Document Required At:**
- Seattle
- VAFB
- AND
- CHANUTE
- MA
- JSI
- WING I
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- WING III
- WING IV
- WING V
- WING VI
- WING VII
- WING VIII
- WING IX
- Other

**Authority:**
- Contract No.: 266
- CCN: 
- Contract Ref.: 
- PARA. NO.: 8.1.7
- W.O. No.: 
- Work Pkg. No.: 
- EMA No.: 

**Rev Sym:***

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**Boeing No.:** D2-30032-1A

**Page:** 468
Phase I Facilities Design Criteria, Contractor Support Area #6, Grand Forks Air Force Base, North Dakota

**DESCRIPTION**

Contains a site plan, building floor plans, space requirements and utility requirements for:
- Administrative Complex
- Support Warehouse
- Vehicle Maintenance Shop.

Is in narrative and graphical format.

**PURPOSE AND SCOPE**

To provide design criteria for the Phase I facilities of the CSA #6. Includes construction of support warehouse and vehicle maintenance shop and their yard and parking areas; and the procurement and site work required for the transportable units of the administrative complex.

**REFERENCES AND REMARKS**

**MAINTAINED:**
- **ANNUALLY**
- **SEMI-ANNUALLY**
- **QUARTERLY**
- **MONTHLY**
- **B-WEEKLY**
- **WEEKLY**
- **SINGLE RELEASE**
- **AS REQUIRED**

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- YES [x]
- NO [ ]

**IN-HOUSE FREQ.:**
- YES [x]
- NO [ ]

**APPROVAL FREQ.:**
- YES [x]
- NO [ ]

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- **CONFIDENTIAL**
- **UNCCLASSIFIED** [x]
- **NEW** [x]
- **REVISION** [x]

**DOCUMENT REQUIRED AT:**
- **SEATTLE** [x]
- **VAFB**
- **AFB**
- **CHAMPAIGNS**
- **MT. VERNON**
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- **WING X**
- **OTHER**

**AUTHORITY:**
- **CONTRACT NO.** 266 [x]
- **CONTRACT REP.**
- **W.P. NO.**
- **W.P. NO.**
- **WAR NO.**
Minuteman HSM-80C Missile Profile - (WS-133B Wing VI)

Preliminary

DESCRIPTION

Presents outline, datum planes, cross sectional and overall dimensions, section dimensions, locations of certain connections and components, references to ICD's (Interface Control Drawings) and ICEDs (Interface Control Envelope Drawings).

PURPOSE AND SCOPE

To provide a source of overall physical configuration information on the preliminary HSM-80C R&D Missile.
Title

Master Index, Functional Signal Flow Diagrams

Description

A graphical and numerical presentation of all WS-133B Functional Signal Flow Drawings, showing the interrelationship of the individual drawings, drawing effectiveness, and drawing configuration status; i.e., changes incorporated.

Purpose and Scope

To provide a visible portrayal of the elements of the WS-133B Functional Signal Flow Drawing System, including configuration status.

References and Remarks

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REV SYM:

BOEING NO. D2-30032-1A

SECT. | PACK 471