

**AWARD/CONTRACT**

2. CONTRACT (Proc. Inst. Ident.) NO.

**HQ0006-01-C-0001**

5. ISSUED BY

Department of Defense  
Ballistic Missile Defense Organization  
1725 Jefferson Davis Highway, Suite 809  
Arlington, VA 22202  
ATTN: M Lesser, (703) 604-4242

7. NAME AND ADDRESS OF CONTRACTOR (No. street, county, state and ZIP Code)

The Boeing Company  
Space and Communications Group - NMD/LSI  
3370 E. Miraloma Avenue MC:GB-66  
Anaheim, CA 92803-3105

1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)

3. EFFECTIVE DATE

**01 JAN 2001**

CODE

HQ0006

RATING

**DX-C9**

PAGE 1 OF 75 PAGES

4. REQUISITION/PURCHASE REQUEST/PROJECT NO.

**PR No. 03192**

6. ADMINISTERED BY (If other than Item 6)

CODE

S0530A

Defense Contract Management Boeing  
Space & Communications Seal Beach  
2600 Westminister Blvd  
P.O. Box 3664, Bldg 80 M/C SD 32  
Seal Beach, CA 90740-7644

8. DELIVERY

FOB ORIGIN  OTHER (See below)

9. DISCOUNT FOR PROMPT PAYMENT

10. SUBMIT INVOICES

ITEM

(4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:

**Section G-5**

CODE 94756

FACILITY CODE

11. SHIP TO/MARK FOR

CODE

See Section E-2

12. PAYMENT WILL BE MADE BY

CODE

HO0339

DFAS - Columbus Center, DFAS-CO/West Entitlement  
P.O. Box 182381  
Columbus, OH 43218-2381

14. ACCOUNTING AND APPROPRIATION DATA

See Section G-9

13. AUTHORITY FOR USING OTHER FULL AND OPEN COMPETITION:

10 U.S.C. 2304(c)( )  41 U.S.C. 253(c)( )

15A. ITEM NO.

15B. SUPPLIES/SERVICES

15C. QUANTITY

15D. UNIT

15E. UNIT PRICE

15F. AMOUNT

15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
0101/0102		1	Lot	N/A	\$4,711,454,826
0103/0104		1	Lot	N/A	\$1,242,065,211
0105/0106		1	Lot	N/A	\$720,000,000
0107/0108		1	Lot	N/A	\$720,000,000

**15G. TOTAL AMOUNT OF CONTRACT**

**\$7,393,520.037**

**16. TABLE OF CONTENTS**

(✓) SEC.	DESCRIPTION	PAGE(S)	(✓) SEC.	DESCRIPTION	PAGE(S)
	<b>PART I - THE SCHEDULE</b>			<b>PART II - CONTRACT CLAUSES</b>	
<input checked="" type="checkbox"/> A	SOLICITATION/CONTRACT FORM	1	<input checked="" type="checkbox"/> I	CONTRACT CLAUSES	67-73
<input checked="" type="checkbox"/> B	SUPPLIES OR SERVICES AND PRICE/COST	2-9		<b>PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.</b>	
<input checked="" type="checkbox"/> C	DESCRIPTION/SPECS./WORK STATEMENT	10-13	<input checked="" type="checkbox"/> J	LIST OF ATTACHMENTS	74-75
<input checked="" type="checkbox"/> D	PACKAGING AND MARKING	14		<b>PART IV - REPRESENTATIONS AND INSTRUCTIONS</b>	
<input checked="" type="checkbox"/> E	INSPECTION AND ACCEPTANCE	15-16	<input type="checkbox"/> K	REPRESENTATIONS, CERTIFICATIONS	
<input checked="" type="checkbox"/> F	DELIVERIES OR PERFORMANCE	17-21	<input type="checkbox"/>	AND OTHER STATEMENTS OF OFFERORS	
<input checked="" type="checkbox"/> G	CONTRACT ADMINISTRATION DATA	22-24	<input type="checkbox"/> L	INSTRS., CONDS., AND NOTICES TO OFFERORS	
<input checked="" type="checkbox"/> H	SPECIAL CONTRACT REQUIREMENTS	25-66	<input type="checkbox"/> M	EVALUATION FACTORS FOR AWARD	

CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17.  **CONTRACTOR'S NEGOTIATED AGREEMENT** (Contractor is required to sign this document and return 3 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)

18.  **AWARD** (Contractor is not required to sign this document.) Your offer on Solicitation Number , including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.

19A. NAME AND TITLE OF SIGNER (Type or print)

**Pamela A. McInemey**  
Director, NMD Contracts & Pricing

19B. NAME OF CONTRACTOR

// s //

(Signature of person authorized to sign)

19C. DATE SIGNED

**12/20/00**

20A. NAME OF CONTRACTING OFFICER

**Marc Lesser**  
Contracting Officer

20B. UNITED STATES OF AMERICA

BY

// s //

(Signature of Contracting Officer)

20C. DATE SIGNED

**12/22/00**

**PART 1 – THE SCHEDULE**

**SECTION B – SUPPLIES OR SERVICES AND PRICE/COSTS**

**B-1 LINE ITEM DESCRIPTION**

In accordance with this contract, the Contractor shall furnish all materials, labor, equipment and facilities, except as specified herein to be furnished by the Government, and shall do all that which is necessary or incidental to the satisfactory and timely performance of the following:

**a. BASIC CONTRACT**

**Contract  
Line Item**

**No. (CLIN) SUPPLIES/SERVICES**

**QTY UNIT**

**AMOUNT**

**0001 thru  
0100**

**0101**

**010101**

**010102**

**010103**

**010104**

**010105**

**010106**

**010107**

**0102**



Contract  
Line Item  
No. (CLIN)

SUPPLIES/SERVICES

QTY UNIT

AMOUNT

0103

010301

010302

010303

010304

010305

010306

010307

0104



<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
-------------	--------------------------	------------	-------------	---------------

0105

0106



**b. PRODUCTION OPTIONS**

The Government may exercise the below options for the Production of the NMD system as set forth below. The Contracting Officer may exercise the Option CLINs 0201, 0202, 0203 and 0204 below in accordance with SCR H-2 either by:

- Issuance of a modification exercising such right; or
- At the Contracting Officer's discretion, the Option CLINs may be administratively carried forward under a new contract number upon the exercise of said Option.

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
-------------	--------------------------	------------	-------------	---------------

0201

020101

020102

020103

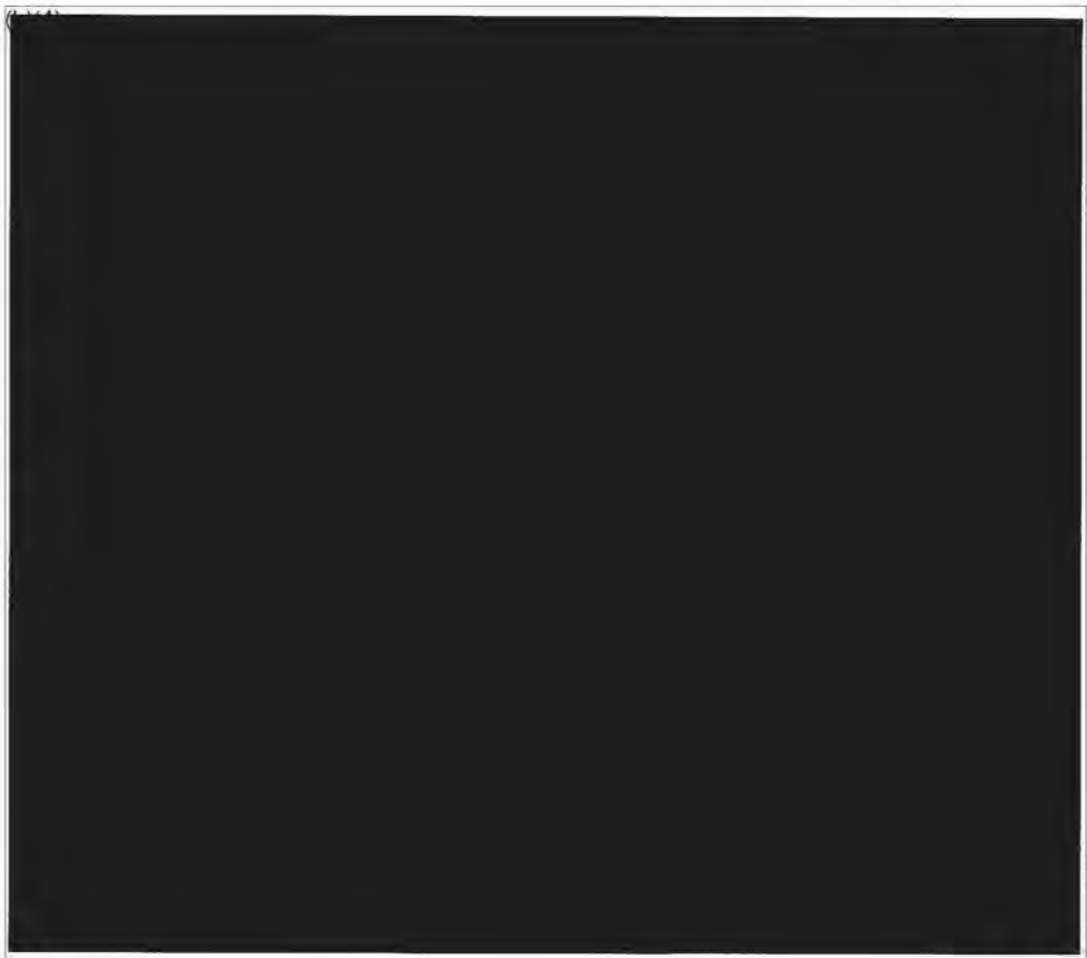
020104

020105

020106

020107

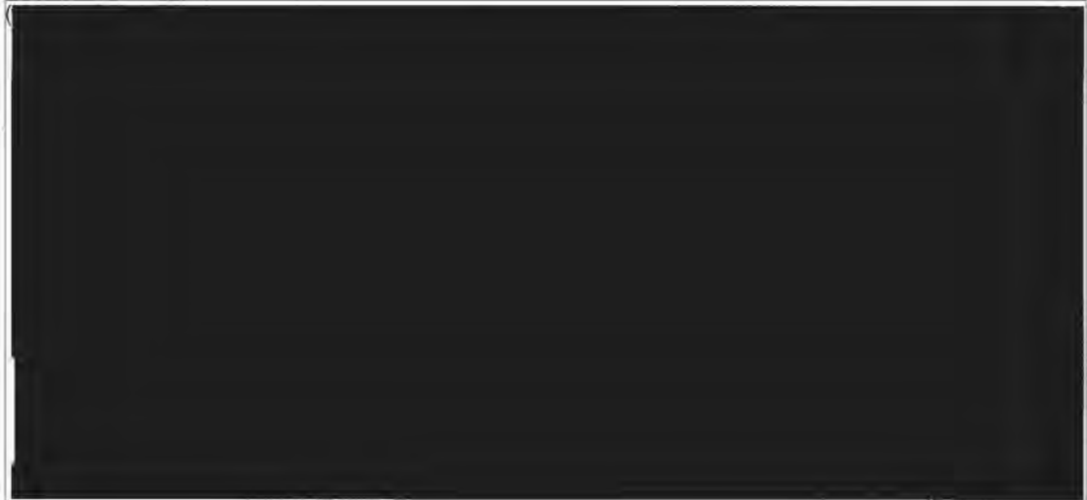
0202



<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
-------------	--------------------------	------------	-------------	---------------

0107

0108



<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
-------------	--------------------------	------------	-------------	---------------

0109

0110



**Note 1:** Represents the total Maximum Available Award Fee against the total Estimated Cost for CLINs 0105, 0107 and 0109. Actual award fee will be added to the Fee Pool by Award Fee Periods based on Task Instructions issued during each period per Section H, Special Contract Requirement H-38, Task Instructions.

CLIN      SUPPLIES/SERVICES      QTY   UNIT      AMOUNT

0203

020301

020302

020303

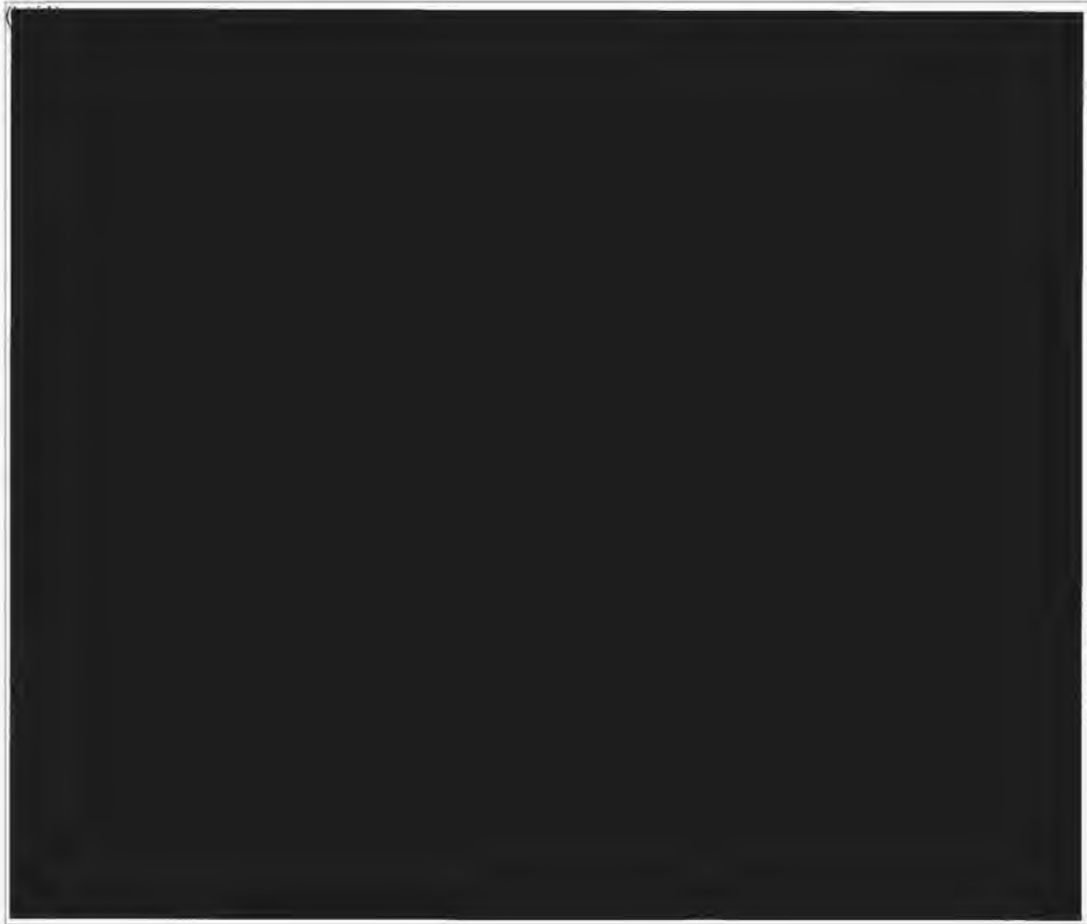
020304

020305

020306

020307

0204



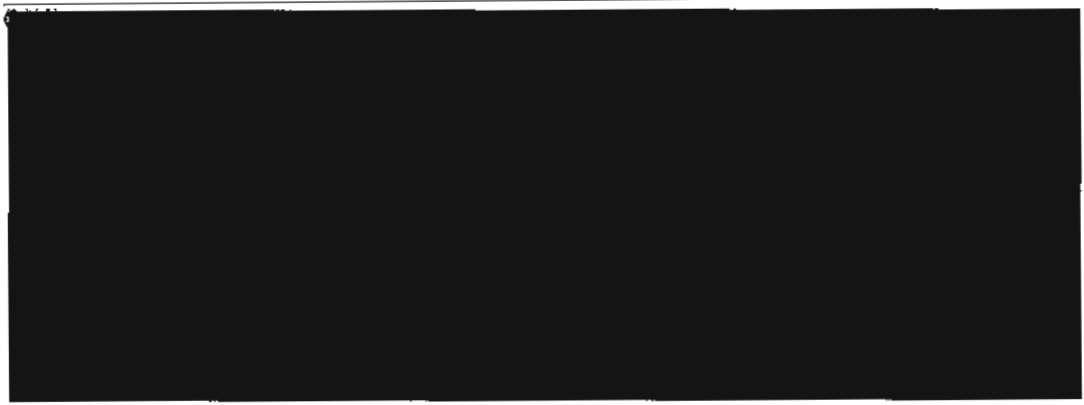
**c. SUSTAINMENT OPTION**

The Government may exercise the below options for the Production of the NMD system as set forth below. The Contracting Officer may exercise the Option CLINs 0301 and 0302 below in accordance with SCR H-2 either by:

- Issuance of a modification exercising such right; or
- At the Contracting Officer's discretion, Option CLINs 0301 and 0302 may be administratively carried forward under a new contract number with and upon the exercise of Option CLINs 0201 through 0204 (or some combination thereof); or
- At the Contracting Officer's discretion, Option CLINs 0301 and 0302 may be administratively carried forward under a new contract number upon the exercise of said Option.

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
-------------	--------------------------	------------	-------------	---------------

0301



0302



**B-2 ESTIMATED COST AND FEE**

The total estimated cost and award fee of this contract, including all options that may be exercised by the Government, are:

Estimated Cost:	\$11,693,240,294
Maximum Available Award Fee:	\$1,531,203,210
Estimated Cost Plus Maximum Available Award Fee:	\$13,224,443,504

**B-3 CONTRACT TYPE**

This is a Cost-Plus-Award-Fee completion type contract with options as specified in paragraph B-1.

**B-4 PAYMENT OF AWARD FEE**


Payment of the Award Fee will be made in accordance with provision H-23, "Award Fee."

**SECTION C - DESCRIPTION/SPECIFICATIONS/WORK**

**C-1 SCOPE OF WORK**

The contractor shall perform the work specified in Attachment 1, the NMD Prime Contract SOW.

**a. BASIC CONTRACT**

<u>CLIN</u>	DESCRIPTION AND DESIGNATION OF IPT EFFORT FOR NOTED SUBCLINS	SOW PARAGRAPHS
<b>0101</b>		
010101		
010102		
010103		
010104		
010105		
010106		
010107		
<b>0102</b>		
<b>0103</b>		
010301		
010302		
010303		
010304		
010305		
010306		

CLIN

DESCRIPTION

SOW PARAGRAPHS

010307

0104

0105

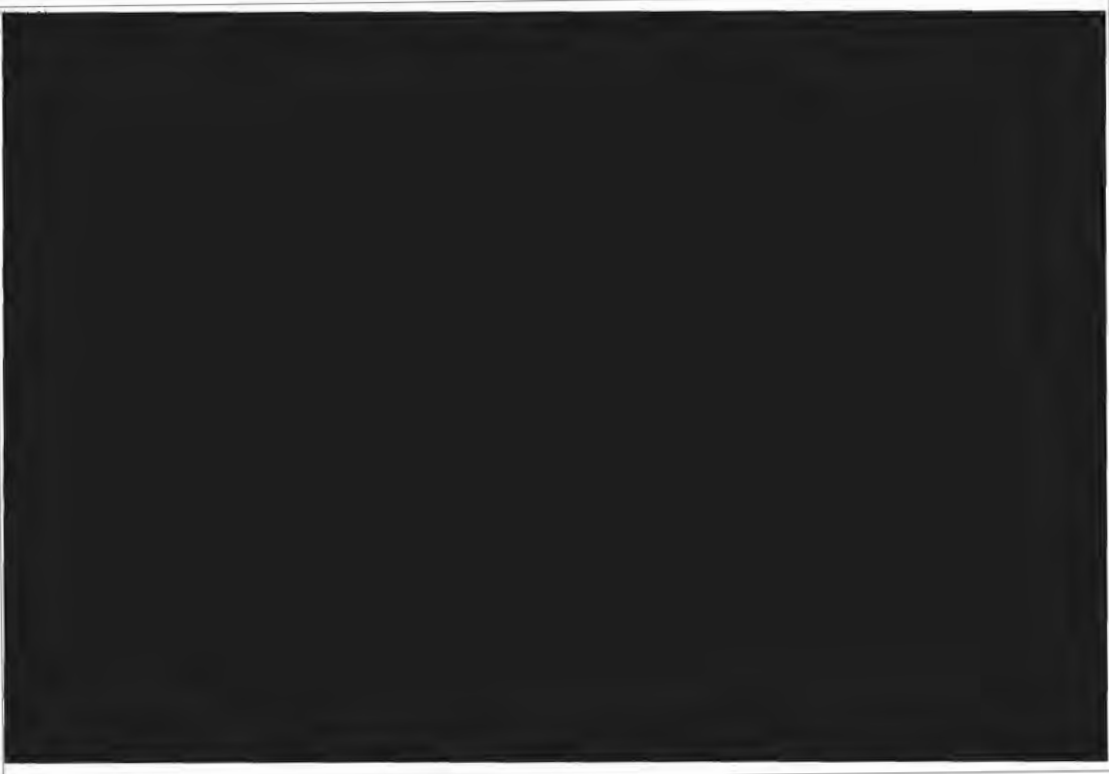
0106

0107

0108

0109

0110



**b. PRODUCTION AND SUSTAINMENT OPTIONS**

CLIN DESCRIPTION SOW PARAGRAPHS

**0201**

(b)

020101

020102

020103

020104

020107

020106

020107

**0202**

**0203**

020301

020302

020303

020304


020307

020306

020307

**0204**

c. **SUSTAINMENT OPTION**

<u>CLIN</u>	DESCRIPTION	SOW PARAGRAPHS
0301		
0302		

**PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

**SECTION J - LIST OF ATTACHMENTS**

Exhibit A	Reserved
Exhibit B	CDRLs Instructions and NMD CDRLs for Initial Capability Development, CLIN 0101, 47 pages dated 12/15/00
Exhibit C	NMD CDRLs for Initial Capability Production, CLIN 0201, 21 pages dated 12/15/00
Exhibit D	NMD CDRLs for Block 1 Increment 1 Capability Development, CLIN 0103, 21 pages dated 12/15/00
Exhibit E	NMD CDRLs for Block 1 Increment 1 Capability Production, CLIN 0203, 20 pages dated 12/15/00
Exhibit F	NMD CDRLs for Initial Sustainment, CLIN 0301, 21 pages dated 12/15/00
Exhibit G	Reserved
Exhibit H	NMD CDRLs for Advanced Capability for the NMD System (CLIN 0105), 4 pages dated 12/15/00
Exhibit J	NMD CDRLs for Enhanced Test & Evaluation (CLIN 0107), 4 pages dated 12/15/00
Exhibit K	NMD CDRLs for Special Studies, Analyses and Tasks (CLIN 0109), 5 pages dated 01/23/01
Attachment 1	Statement of Work entitled "National Missile Defense (NMD) Prime Contract Statement of Work", 146 pages, dated 01/23/01
Attachment 2	RESERVED
Attachment 3	Contract Work Breakdown Structure (CWBS), 51 pages, dated 11/30/00
Attachment 4	Contract Security Classification Specification (DD Form 254), 9 pages, dated 01/29/01
Attachment 5	Boeing "Corporate Small Business and Small Disadvantaged Business Subcontracting Plan Document No. D180-32721-3, Rev A," 60 pages, dated 10/06/99
Attachment 6	List of Less Than Unlimited Rights Technical Data, 5 pages, dated 12/14/00

- Attachment 7 List of Less Than Unlimited Rights Computer Software and Documentation, 10 pages, dated 12/14/00
- Attachment 8 Government Property List for NMD Prime Contract, 7 pages (List 8a, 4 pages dated 12/15/00 and List 8b, 3 pages dated 12/15/00) |
- Attachment 9 Base Support Requirements Document and National Ranges and Test Facilities Requirements List, 58 pages, dated 12/15/00  
(Attachment 9-1 Cheyenne Mountain Air Station, 14 pages)  
(Attachment 9-2 Clear Air Station, 17 pages)  
(Attachment 9-3 Elmendorf Air Force Base 15 pages)  
(Attachment 9-4 Fort Drum 14 pages)  
(Attachment 9-5 Fort Greely 22 pages)  
(Attachment 9-6 Fort Richardson 14 pages)  
(Attachment 9-7 Schriever Air Force Base 15 pages)  
(Attachment 9-8 Shemya Island 29 pages)
- Attachment 10 OCI Analysis/Disclosure Form, 3 pages
- Attachment 11 Award Fee Determination Plan, 6 pages, dated 12/15/00
- Attachment 12 Government Test Facilities (USAKA/KMR & Others), 11 pages (List 12a, 5 pages dated 12/15/00 and List 12b, 6 pages dated 12/15/00) |
- Attachment 13 Task Instructions, 3 pages |
- Attachment 14 RESERVED
- Attachment 15 Pricing Instructions, 5 pages

**EXHIBIT A**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR**

**RESERVED**



**EXHIBIT B**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**CDRLs INSTRUCTIONS AND NMD CDRLs FOR INITIAL CAPABILITY DEVELOPMENT  
FOR CLIN 0101**

**15 December 2000**

The following Exhibit B CDRL Sequence Numbers have been deleted:

B004 through B006, B010, B011, B016 through B021, B026, B027, B029,  
B031, B036 through B040, B042 through B047, B049 through B051, B053,  
B054, B055, B057 through B062.

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**PART I**  
**CONTRACT DATA REQUIREMENTS LIST (CDRL) and ACCESSIBLE DATA**  
**PRODUCT (ADP) INSTRUCTIONS**

**1. General**

**a. Document Security.** Security Instructions found in the DD254 for this contract will apply to CDRLs.

**b. Public Release.** All information related to the program must be submitted in accordance with Special Contract Requirement H-4, Public Release Of Information.

**c. Internet.** Unclassified controlled NMD information must not be posted, in unprotected form, on any system or network (WEB site) accessible from the public INTERNET.

**d. Encryption.** The CDRL defines the data that is to be delivered to the Government by the contractor. This data may be in hard copy, electronic, electronic mailable, or any other form specified by the Government. The primary form of unclassified data delivery will be use of Team Integration Network System (TINS) and the JPO Intranet Site (encrypted Intranet sites) or use of encrypted E-mail. Non-encrypted E-mail will be used for unclassified deliveries only when other sources are not available due to time constraints.

**e. Accessible Data Products (ADP).** ADPs are nondeliverable electronic data available in the Team Integration Network. The primary form for data viewing and delivery will be via encrypted Internet.

**f. Formats.** CDRL and ADPs are to be prepared on plain backgrounds for ease of downloading and word processing use. CDRLs will contain the same format and information as on the DD Form 1423. ADPs will follow the contractor format. These instructions apply to Exhibit B and to all subsequent Exhibits added to this contract.

**g. Review of Non-Deliverables.** ADPs are nondeliverable electronic data not governed by the contract. Since ADPs could be the only documents from which the Government could monitor NMD progress within selected areas of the program, Government Integrated Program Team Leads may periodically review selected ADPs. Comments generated and approved as a result of the Government IPT review will be forwarded for information purposes only to the appropriate Prime Contract IPT lead.

**2. Data Item Description (DID)**

Data Item Descriptions entered on the CDRL, were selected from the "Department of Defense Acquisition Management Systems and Data Requirements Control List (AMSDL)," DoD 5010.12-L.

**3. DID Tailoring for CDRLs**

DID tailoring is indicated by the addition of the suffix "T" to the DID number entered in Block 4 of the CDRL. For example, if the DID requirements were tailored for DID DI-MISC-80711, Block 4 entry in the CDRL would be DI-MISC-80711/T and the tailored requirements would be stated in Block 16. Tailoring is used to either relax format requirements or change the DID to be in consonance with the source document tailoring contained in the SOW. DID Tailoring rules prohibit "tailoring up." DID tailoring does not imply adding elements; rather, DID tailoring implies reformatting, deletion of information elements. If the requirements of a DID are found to be in conflict with the tailored application of the source document in the SOW, the tailoring shall take precedence.

**4. CDRL Sequence Numbers**

Each CDRL is assigned a unique sequence number to facilitate data tracking. CDRL sequence numbers are comprised of two elements. The first element is the letter "B" which is used in lieu of the word "EXHIBIT". The

second element consists of three digits and indicates a consecutively assigned, numerical sequence such as 001, 002, etc. For example, the first CDRL in Exhibit B to the contract would be assigned CDRL sequence number B001, the second B002, and so on until all Exhibit B CDRLs are sequentially numbered.

## **5. Data Distribution and Addresses**

The CDRL Distribution List provides information regarding destination codes for data deliveries, and quantities for shipment to those destinations (normally in Blocks 14 & 15 of the CDRL) is provided on the CDRLs Table CDRL Distribution Matrix. The complete mailing address is provided in the Addressee List.

## **6. Data Delivery Due Dates**

CDRL data delivery due dates are defined as "on-dock" dates at point of destination. Data shall be delivered on the due date specified. Unless otherwise indicated, any and all references to "days" shall be calendar days. All correspondence regarding Contractor requested extensions for CDRL due dates shall be fully coordinated with the Government's Office of Primary Responsibility (OPR) for that CDRL. Correspondence will then be addressed "Through" the OPR and "To" the Government Procuring Contracting Officer (PCO), with an electronic distribution copy to the PCO. Approval of extensions shall be documented and noted in the CDRL transmittal letter so delivery will be counted against the new due date.

CDRL and ADP data will be posted to the Team Integrated Network System (TINS). CDRL delivery dates will be forecast on a weekly basis using a 90-day window. The Contractor will notify the Government by E-mail when CDRLs identified in the SOW are placed on TINS.

## **7. Data Delivery Delinquency**

A Contractor is considered delinquent when a data delivery (or transmittal, as required) does not physically arrive at the appropriate addressee on the date(s) specified in Block 12, 13 or 16 of the CDRL and Distribution Matrix or the unclassified document is not posted to the Team Integrated Network System (TINS). However, data deliveries due on a Saturday, Sunday, or Federal holiday that are delivered on the next workday shall not be considered delinquent.

## **8. Data Delivery Requirements**

The letters "LT" entered in Block 7 of the CDRL require the preparation and delivery of a Letter of Transmittal for each CDRL data delivery. Electronic letter of transmittal shall be addressed to the PCO; copies of the letter shall be provided to the ACO, BMDO/RMC-DM, BMDO/TIC and BMDO/JNC.

The Letter of Transmittal shall include:

- Date of preparation
- Contract number
- CDRL sequence number
- DID title and subtitle, if any
- CDRL data approval requirements, if any
- How distribution was made (e.g., electronically, mail)
- Distribution made of the Letter of Transmittal (information copy addressees)
- Distribution of the data item (including addresses and number of copies)

The letters "DD" entered in Block 7 of the CDRL indicate that a DD Form 250 is required with the deliverable and that the data item will be inspected and accepted at destination.

The letters "SD" entered in Block 7 of the CDRL indicate that a DD Form 250 is required with the deliverable and that the data item will be inspected at source and accepted at destination.

Any deliverable item that exceeds 250 sheets shall be bound in separate books of 250 sheets or less.

**9. Data Approval Requirements**

Selected data require approval before their submission is considered final. The letter "A" appearing in Block 8 of the CDRL designate such data. The approving authority shall be the PCO. The absence of an "A" in Block 8 does not forfeit or otherwise affect the Government's right to comment on the CDRL. Unless otherwise specified, resubmittal of disapproved data or data approved subject to the incorporation of comments shall be so identified and delivered by the next CDRL submission or as directed by the PCO. The requirements applicable to the original submittal shall apply to the resubmittal data. Should the Contractor disagree with a resubmittal requirement, he shall submit his comments in writing to the PCO within 15 CD of receipt of data disapproval notification.

**10. Distribution Statements**

The following distribution statement shall be included on the cover page to protect all technical data:

- *DISTRIBUTION STATEMENT F*: Further dissemination only as directed by DoD, Ballistic Missile Defense Organization, ATTN: Procuring Contracting Officer, BMDO/CTN, 1725 Jefferson Davis Highway Suite 809, Arlington, VA 22202. Date determination (01 January 2001), or higher authority.

Add the following Export Control Statement to all documents assigned distribution Statement F:

- *WARNING*: This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Section 2751 et. seq.) or the Executive order 12470. Violation of these export laws is subject to severe criminal penalties.

**11. Data Format Requirements**

**a. Printable Image.** Plans, Procedures, and Specifications shall contain an "Applicable Documents" section. The title page shall include classification markings IAW the NISPOM, the CDRL number, a title (unclassified), the date of the report, the contract number, the name and address of the prime contractor, the distribution statement, and any special notices. All printed pages of each document shall contain the document control number and the date of the document in either the upper corner, opposite the binding of the page or the center of each page. Document control numbers shall include the revision and volume identification, as applicable. Each page prior to the text shall be numbered in lower-case Roman numerals beginning with page ii following either the cover page or beginning with the Table of Contents. Each page starting with the text and continuing to the appendices shall be consecutively numbered in Arabic numerals, or if more appropriate, consecutively numbered within sections using the following format: 2-1, 2-2, 2-3, etc. If the document is divided into volumes, each such volume shall restart the page numbering sequence.

**b. Magnetic Images.** To facilitate ease of transfer and use, unless otherwise indicated in a particular CDRL data item, CDRL deliverables shall be prepared in the software format indicated, or in a format readily usable by the program indicated on PC workstations using Windows and Office 97.

Written documentation	MS WORD, with figures and other graphics in a MS WORD compatible format.
Spreadsheets	MS EXCEL
Vugraphs (presentation material)	MS PowerPoint

Drawings	Any commonly available CAD
Generic databases	MS Access
Program Schedules	MS Project

Labels on data items released on electronic media shall include the following:

- Contract Number
- CDRL Number Title
- Subtitle (if applicable)
- Date
- Classification

**c. Electronic Distribution.** Unclassified documents shall be delivered electronically making use of commercial Web Browser/Web Technology or existing connections to the NMD Organization Wide Area Network (BMDO Frame Relay). Hard copies shall be distributed per the CDRLs Distribution Table to any addressee for whom BMDO notifies the Contractor that the addressee is not reachable electronically. In the event of any delay immediately after award of the contract in establishing electronic connections or procedures therefore, or for any extended period of outage, the Contractor shall deliver hard copies per Table B-1. For any documents delivered in hard copy to BMDO which are not delivered electronically, the Contractor shall also deliver magnetic disks (PC 3.5" floppy disks or 100 MB Zip Drive cartridge) for documents consisting primarily of text and CD-ROM for the IMS (B003). Deliver all magnetic media to BMDO/JNC. Classified documents will not be delivered electronically; they shall be distributed in paper (hard) copy as well as magnetic disk (PC 3.5" floppy disk only) per CDRL instruction number 15 below.

## 12. Codes Used In The CDRL

The following codes are used on CDRL forms:

A	Approval of data item is required by BMDO.
AD	Approval of draft of data item is required by BMDO.
ASREQ	As required
BIANNUAL	Frequency is every other year
CLIN	Contract Line Item Number
F	Distribution statement is required, and shall be assigned per the CDRL instructions
DAC	(Calendar) Days after Contract Award
DID	Data Item Description
LT	Letter of transmittal
N/A	Not applicable
MTHLY	Monthly
ONE/R	One time and revisions
OTIME	One time
Para.	Paragraph
QRTLY	Quarterly
SOO	Statement of Objectives
0	As of date: End of month, quarter, year

**13. Addressee List**

• BMDO/JNC, RME, RMC, CTN, SCN	<b>Ballistic Missile Defense Organization</b> <b>ATTN: (Office Symbol)</b> <b>1725 Jefferson Davis Highway Suite 809</b> <b>Arlington VA 22202</b>
• ACO	Per Block 6 of the Contract Form SF-26 (If SF 33, Block 24)
<b>BMDO/JND</b> (MAIL Deliveries--See Note 1 Fed EX, UPS use this address with Tel # 256 313-9625)	For Unclassified Hand-Carried: Ballistic Missile Defense Organization/JND ATTN: BMDO/JND 106 Wynn Drive Huntsville AL 35805
• BMDO/JNG (Mail Deliveries—See Note 1 Fed Ex, UPS use this address with Tel # 256 722-1832)	<b>For Unclassified Hand-Carried:</b> Ballistic Missile Defense Organization/JNG ATTN: BMDO/JNG 5650 Sanderson Rd Suite R Huntsville Alabama
• SAF/AQSI	SAF/AQSI Room 5D543 1060 Air Force Pentagon Washington DC 20330-1060
• Navy Code 865	Office of the CNO (N865J1) Room 4D521 2000 Navy Pentagon Washington DC 20350-2000
• Technical Information Center (TIC)	BMDO Technical Information Center (TIC) 1725 Jefferson Davis Highway STE 708 Arlington VA 22202
• BMDO/JNU	Ballistic Missile Defense Organization/JNU 11 Eglin St Hanscom AFB MA 01731
HQ US SPACECOM/J5B	HQ US SPACECOM/J5B Attn: Document Control (NMD Program) 250 South Peterson Blvd, Suite 116 Peterson AFB CO 80914-3170
ESC/NDCP	ESC/NDCP Attn: Document Control (NMD Program) 1050 E. Stewart Ave Peterson AFB, CO 80914-2902
<b>Note 1. MAIL DELIVERIES FOR BOTH HUNTSVILLE ADDRESSEES:</b>	Office Code ATTN: (Individual) P O Box 1500 Huntsville AL 35807-3801

**14. Government Requiring Office**

The Government Requiring Office, Block 6 of the CDRL will be changed as needed and will be updated with an administrative contract modification.

**15. Delivery of Classified Documents.**

Classified documents shall be delivered to the following addressees in the quantities indicated:

ADDRESSEE	PAPER COPIES	MAGNETIC COPIES
Ballistic Missile Defense Organization Attn: JN Document Control Crystal Square 11, Suite 502 1725 Jefferson Davis Hwy Arlington VA 22202  (703) 604-0757	4	1
Ballistic Missile Defense Organization Deputy for System Deployment NMD Program Office, Attn: Document Control PO Box 1500 Huntsville, AL 35807-3801  (256) 895 3836	4	1
Ballistic Missile Defense Organization/JNU Electronic Systems Center Attn: Document Control 11 Eglin Street Hanscom AFB MA 01731-2100  (781) 377-6105	1	1
SAF/AQSI Attn: Document Control 1060 Air Force Pentagon Washington DC 20330-1060  (703) 588-7393	1	1
Navy Code 865 Office of the CNO (N865JI)Room 4D521 Attn: Document Control 2000 Navy Pentagon Washington DC 20350-2000  (703) 695-2678	1	1
HQ US SPACECOM/J5B Attn: Document Control 250 South Peterson Blvd, Suite 116 Peterson AFB CO 80914-3170  (719) 554-5904	1	1
BMDO/TIC BMDO Technical Information Center (TIC) Attn: Document Control 1755 Jefferson Davis Highway, Suite 708 Arlington VA 22202  (703) 412-2827	1	1



ADDRESSEE	PAPER COPIES	MAGNETIC COPIES
<p><i>Deliver to and mark outer wrapper as follows:</i>                      The MITRE Corporation                      Document Control                      202 Burlington Road                      Bedford, MA 01730-1420</p> <p><i>Mark the inner wrapper as follows:</i>                      The MITRE Corporation                      NMD Project, Attention: 1618A                      202 Burlington Road                      Bedford, MA 01730-1420</p>	1	1
<p>ESC/NDC                      1050 E. Stewart Ave                      Peterson AFB, CO 80914-2902                       (719) 556-9319</p>	1	1
Total Classified Distribution	15	9

NOTE: The Contractor should note that in some cases (e.g., SAQ/AQSI, Navy Code 865), the above addresses for classified document delivery differ from the address for unclassified documents specified in CDRL instruction number.

## CONTRACT DATA REQUIREMENTS LIST

### EXHIBIT B NMD CDRLs FOR INITIAL CAPABILITY DEVELOPMENT FOR CLIN 0101

<u>ITEM</u>	<u>TITLE</u>
	Table B-1, CDRL Distribution Matrix
B001	Contract Funds Status Report (CFSR)
B002	Cost Performance Report (CPR)
B003	NMD Integrated Master Schedule (IMS)
B007	Integrated Master Schedule (IMS) Changes
B008	System Specification - Update
B009	NMD Integrated Test and Evaluation Plan (ITEP)
B012	Data Accession List/Internal Data
B013	Engineering Change Proposals (ECP)
B014	GBI Element Level A Specification - Update
B015	NMD Software Development Plan (SDP)
B022	NMD External Interface Control Documents (ICD's) - Update
B023	NMD Integration Plan
B024	Request for Deviation
B025	Request for Waiver
B028	System Acceptance and Turnover Plan- Update
B030	System Consolidated Facilities Requirement Document (FRD) - Update
B032	Capstone Site Activation Plan (CSAP) - Update
B033	Integrated Logistics Support Plan (ILSP) - Update
B034	NMD System Training Plan (STP) - Update
B035	Safety Assessment Report (SAR) / Hazard Tracking System (HTS)
B041	NMD System Verification Plan
B048	BMC3 Element Level A Specification - Update
B052	XBR Element Level A Specification - Update
B056	UEWR Element Level A Specification - Update
B063	Inputs to NMD Cost Analysis Requirements Description (CARD)
B064	Computer Resources Integrated Deployment & Sustainment Document (CRID&SD)
B065	NMD Contractor Cost Data Report - DD1921 (NMD CCCR)
B066	Modeling and Simulation Plan (MSP)
B067	NMD Technical Performance Measures (TPMs)
B068	NMD Communications Network (NCN) Transition Plan

Block 14. Distribution*									
<i>CDRL SEQ No.</i>	B001	B002	B003	B007	B008	B009	B012	B013	B014
<i>Short Title</i>	CFSR	CPR	NMD IMS	IMS Changes	SS	NMD ITEP	DAL/ID	ECP	WS EL A SPEC
ACO	1	1	1	1				1	
BMDO/CTN	1	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	1	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1		1	1	1	1	1
BMDO/RMC				1			1	1	1
HQSPACECOM/J5B	1	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1		1	1	1	1	1
TIC				1	1	1	1	1	1
Block 15.Total	18	18	18	15	18	18	19	20	19
Block 6. Requiring Office	JNC	JNC	JNC	JNC	JNE-I	JNT	JNC	JN	JNI-E/ JNG

Block 14. Distribution*								
<i>CDRL SEQ No.</i>	B015	B022	B023	B024	B025	B028	B030	B032
<i>Short Title</i>	NMD SDP	NMD EICD	NMD IP	RFD	RFW	SA&TP	SCFRD	CSAP
ACO								
BMDO/CTN	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	1
BMDO/RMC	1	1	1	1	1	1	1	1
HQSPACECOM/J5B	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1
TIC	1	1	1	1	1	1	1	1
Block 15.Total	19	19	19	19	19	19	19	19
Block 6. Requiring Office	JNI-E	JNI-E	JNI-E	JNI-E	JNI-E	JND-A	JND-A	JND-A

**Table B-1, CDRL Distribution Matrix**

Block 14. Distribution*								
CDRL SEQ No.	B033	B034	B035	B041	B048	B052	B056	B063
Short Title	ILSP - UPDATE	NMD STP	SAR / HTS	NMD SVP	BMC3 A SPEC	XBR EL A SPEC	UEWR A SPEC	CARD Inputs
ACO								1
BMDO/CTN	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	1
BMDO/JNG	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	
BMDO/RMC	1	1	1	1	1	1	1	1
HQ SPACECOM/J5B	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	
TIC	1	1	1	1	1	1	1	1
Block 15.Total	19	19	19	19	19	19	19	15
Block 6. Requiring Office	JND-P	JND-P	JND-A	JNI-E	JNB-N	JNX	JNU	JNE

Block 14. Distribution*								
CDRL SEQ No.	B064	B065	B066	B067	B068			
Short Title	CRID&SD	CCDR	MSP	NMD TPMs	NCN Trans Plan			
ACO		1	1	1	1			
BMDO/CTN	1	1	1	1	1			
BMDO/JNC	4	4	4	4	4			
BMDO/JND	4	4	1	1	4			
BMDO/JNG	1	1	1	1	1			
BMDO/JNU	1	1	1	1	1			
BMDO/JNX	1	1	1	1	1			
BMDO/RME	1	1						
BMDO/RMC	1	1	1	1	1			
HQ SPACECOM/J5B	1	1	1	1	1			
ESC/NDCP (PAFB)	1	1	1	1	1			
Navy Code 865	1	1	1	1	1			
SAF/AQSI	1	1						
TIC	1		1	1	1			
Block 15.Total	19	19	15	15	19			
Block 6. Requiring Office	JNI JND-A/S	JNC	JNE	JNI	JNB			

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

**Table B-1, CDRL Distribution Matrix**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 4.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **NA**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Content: Submit this report for CLIN 0101.**

**Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 45 calendar days after the end of the contractor's accounting quarter.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 4.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Change all references to "Cost/Schedule Control Systems Criteria (C/SCSC)" to read "Earned Value Management Systems (EVMS) Criteria"**

**DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:**

**7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor's system is established. The Contractor shall also make hardcopy distribution to any addressee (Table B-1) who does not have electronic connectivity with the Contractor's system. For CPR hard and electronic (MS Excel spreadsheet, WInsight X12 file) copy reporting, report to CWBS levels 3 and 4 (e.g., CWBS X.X.X ), unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the NMD JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access (1) complete cost performance information, or CPR information, electronically at the lowest CWBS level accumulated by the Contractor, (2) ICSM (Integrated Cost Schedule Management) system database (MS Access) that reflects the Tier Four System of collecting performance data at PE, SA, AC and task levels, (3) DPAR (Detailed Performance Analysis Report) database (MS Excel) that reflects sub-CPR data at the Cost Control Account level. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle, Booster Vehicle, PLV, (Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102** B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **B002**  
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**  
3. SUBTITLE:

**Block 4 (Cont.):**

**Integration and Launch Facilities of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.**

**7.6.2 Report using Formats 1 through 5.**

**10. PREPARATION INSTRUCTIONS**

**Content: Submit this report for all CLINs 0101, 0105 (task instructions), 0107 (task instructions).**

**10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award.**

**10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.**

**10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the combined amount in block 5b, Negotiated Cost and 5c, Estimated Cost Authorized Unpriced Work. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.**

**10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For Column 14 enter the balance of the Contract.**

**10.2.5.1 (Format 4): report staffing in hours and person months.**

**10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall: (1) perform and submit variance and problem analyses for the 10 most significant problems it identifies among the lowest CPR CWBS entries. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and “get well” information and variance at completion, (2) give brief explanation for major changes such as replan, transfers, WBS changes, errors, etc., (3) provide “rolling wave” status at the IPT level, (4) provide recommended problem area topic(s) for later CPR review.**

**10.2.6.2 (Format 5): Also include reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.**

**Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor’s accounting month.**

**(End of B002)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para 4.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**10. Preparation Instructions.**

**Content is modified as follows:**

**10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.**

**10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to the task level including Program Events (PE), Significant Accomplishments (SA), Accomplishment Criteria (AC) and tasks.**

**10.2.6 Integrated Program Network.**

**10.2.6 g. Critical Path. The critical path shall be calculated by computer-based software which shall have evolved from an “intuitive-” or “heuristic-based critical path” to an analytically-based critical path. The analytically based critical path shall be accompanied by Tier 1 and Tier 2 PowerPoint schedules. The Tier 1 and Tier 2 schedules will include a separate table identifying all the activities / events shown on these schedules and will include, at a minimum, the Prime Contract IMS reference number (PE, SA, AC, or task, as appropriate,) name, and baseline date. Tier 1 and Tier 2 schedules and the backup tables will be used in conjunction with the monthly Cost Performance Report (CPR, CDRL B002) submissions to monitor, assess, and display program progress. Critical Path reporting for CLINs 0201 and 0203 is not required under this CDRL.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**



**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **B003**  
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**  
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**

**Block 4 (Cont.):**

**10.3 Change “Master Integrated Program Schedule” to read “Integrated Master Schedule (IMS).”**

**Block 12: Due 60 days after contract award.**

**Block 13: Submit MONTHLY. Submittals shall be delivered on the last calendar day of the month after the end of the contractor’s accounting month.**

**Block 16: Transition delivery of this deliverable from Microsoft Project to Open Plan Professional software with the total program in OPP and the individual elements in OPP and MPP.**

**(End of B003)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102** B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD LSI**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B007**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Master Schedule (IMS) Change Notices**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**10 Preparation Instructions.** IMS Change Notices shall be prepared whenever the Contractor proposes to change the Program Events (PEs) or Significant Accomplishments (SAs) (e.g., commitment dates for Integrated Flight Tests (IFTs), Boost Vehicle (BV) Test, Integrated Ground Test (IGT)s, and LSI Integration Distributed Simulation (LIDS). IFTs, BV tests, IGTs, and LIDS should be reported at the SA Level) being reported as Tier 1 and Tier 2 Schedules, respectively.

**Content.** Contractor format applies but the IMS Change Notices shall clearly indicate the change being proposed and the reason for the change.

**Block 8:** IMS Change Notices shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt of the Notice per Special Contract Requirement H-25, "Changes to the Integrated Master Schedule."

**Blocks 10, 12, and 13:** IMS Change Notices shall be prepared on an "ASREQ" basis and shall be submitted prior to the effective date of the change. An IMS reprint shall be submitted on 2001 JUNE 30 and ANNUALLY thereafter. IMS reprints shall include all IMS Change Notices approved since the IMS was last published.

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B008**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **System Specification - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.3, 4.2.4**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Contractor format is acceptable.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the specification will be provided within 45 days after receipt. Submit final update within 30 days after receipt of Government comments.**

**Block 12: SCDR -30CD.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_ **X** \_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B009**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP) - Update**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-NDTI-81284/T**
5. CONTRACT REFERENCE: **SOW para. 4.7.3**
6. REQUIRING OFFICE: **BMDO/JNT**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**3. DESCRIPTION/PURPOSE**

**3.1 Change to read as follows: "The Plan ITEP outlines the plans and performance objectives at every level of testing on systems and subsystems. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required, test data processing requirements, and recording analysis and evaluation procedures to be used."**

**7.2 Change to read as follows: "This DID is applicable to system and subsystem tests that include laboratory tests, simulations, ground tests, flight tests, integration tests, human factor tests, operational tests and acceptance tests."**

**10.1 Format. Change "The Test and Evaluation Program Plan (TEPP) shall be in the contractor's format and shall conform to the following;" to read "The Integrated Test and Evaluation Plan (ITEP) shall be in the contractor's format."**

**10.1.1 Delete**

**10.1.2 Delete**

**(Continued)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_ **X** \_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO: **B009**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP) - Update**

**Block 4: (Cont.)**

**10.2.2 Introduction.** Change to read as follows: “The introduction shall describe the plan and its relationship to the elements of the overall program, and an overview of the test program’s objectives, including process flow diagrams, milestones/significant accomplishments, test resources and personnel, and relationship to design development, production and tactical deployment.”

**10.2.3** Change “The TEPP...” to “The ITEP...”

**10.2.4** Change “i.e., Joint Test Group (JTG)”

**10.2.5 Tests and examinations.** Change “The TEPP” to “The ITEP”

**10.2.5.1** Change to read as follows: “Process Flow Diagrams. The process flow diagrams will reflect a functional description of the test and evaluation program using a block diagram portrayal of the functions that must be met to satisfy the total test program.”

**10.2.5.2 References.** Change “The TEPP...” to “The ITEP...”

**10.2.5.3** Change to read as follows: “Test and Evaluation Objectives. Describes the objective of each test performed, including the traceability to requirements documents, test requirements, data requirements and evaluation criteria for each test.”

- a. Test requirements
- b. Data requirements
- c. Evaluation
- d. Criteria

**10.2.5.4 Test support requirements.**

**10.2.5.4a** Change to read as follows: “Instrumentation. Indicates the data collection method that will be used and the approximate number and types of parameters to be recorded.”

**10.2.5.4b** “Test Logistics,” change to “identify logistics requirements including maintenance and repair for test equipment and facilities, and packaging, handling, storage and transportation (PHS&T) for test articles, support equipment and spares.”

(Continued)

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_ **X** \_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO: **B009**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP) – Update**

**Block 4: (Cont.)**

**10.2.5.4c Change “Government facilities” to “Government facilities and locations for each type of test...” Change to read as follows: “Government test facilities. Identify the specific government to be used for each type of test.”**

**10.2.5.4d Change to read as follows: “Data reduction and analysis. Describes data to be collected and the data reduction and analysis techniques that will be used to interpret the data.” An overview of the procedures that the contractor will use to analyze, evaluate, and verify the test results will also be provided.**

**10.2.5.5 Change to read: General Tests: This section shall provide a listing for each type of test, a description, test methodology and general change to procedures.**

**10.2.5.6 Special tests. Change to read as follows: “Special tests. Provides a list of special test resources necessary to verify satisfactory system or subsystem performance to specifications.”**

**10.3.2 Change the first sentence to read as follows: “Consists of an overview of the objectives of the plan, including process flow diagrams, milestones, personnel participation, locations, schedules, and security measures to be observed”**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the ITEP will be provided within 45 days after receipt of each submittal. Submit final update within 30 days after receipt of Government comments.**

**Block 12: Update 30 days prior to SCDR.**

**(End of B009)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO: **B012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4: Provide electronic copies of any unclassified documents listed on the Prime Contract Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.**

**10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data that have been generated by the Contractor as a result of the work effort called for by this contract.**

**10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.**

**10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:**

**"UR" = Unlimited Rights**

**"LR" = Limited Rights**

**"GPLR" = Government Purpose License Rights**

**Block 12: Due 60 Days after Contract Award.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: NMD LSI  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B013**
2. TITLE OF DATA ITEM: **Engineering Change Proposals**
3. SUBTITLE:
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.3**
6. REQUIRING OFFICE: **BMDO/JN**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of ANSI/EIA-649 National Consensus Standard for Configuration Management, dated February 1, 1999.**

**10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using ANSI/EIA-649 as a guide.**

**Block 16: The contractor shall prepare, process and control Advanced Change Study Notice (ACSN) in accordance with approved internal Configuration Management process. ACSNs shall be prepared and submitted on the attached form. The normal 45-day CDRL contractual period does not apply to this CDRL. The time period for this CDRL will be agreed upon by the Government and Contractor for ECPs and ACSNs.**

G. PREPARED BY: **LT COL MUN KWON**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC**      J. DATE: **4 Dec 00**



<b>Advance Change/Study Notice (ACSN)</b>		<b>1. Date:</b> /   / (YYYY/MM/DD)	<b>JPO FORM 2616</b>
2. Procuring Activity Number: HQ0006		3. DODAAC: HQ0006	
4. ACSN TITLE:			
<b>5. Originator</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Address:</b> (Street, City, State, Zip Code)	6. ACSN Number:
<b>7. OPR</b> <b>a. Name:</b> (First, Middle Initial, Last)		b. Directorate:	c. Address: (Street, City, State, Zip Code)
1. Item Affected:			
9. Need For Change:			
10. Description of Change/Study:			For Additional Space Use
11. Alternatives to Suggested Change/Study:			For Additional Space Use Block
12. Budgetary Cost Estimates:			For Additional Space Use Block
13. Program Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>c. Date Signed</b> /   / (YYYY/MM/DD)
14. Contracting Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>d. Date Signed</b> /   / (YYYY/MM/DD)
15. Contractor:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>e. Date Signed</b> /   / (YYYY/MM/DD)

DDForm 2616, Aug 96 (EG)

9A. (Supplemental) Need For Change:

10A. (Supplemental) Description of Change/Study:

11A. (Supplemental) Alternatives to Suggested Change/Study:

DDForm 2616, Aug 96 (EG)

(Supplemental)

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B014**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **GBI System Element Level A Specification - Update**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.24.3.2**
6. REQUIRING OFFICE: **BMDO/JNI-E, JNG**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Preparation Instructions: Specification shall be prepared in Contractor format.**

**Blocks 10, 12 and 13: Submit update 30 days prior to GBI System Critical Design Review (GSCDR).**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_ **X** \_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B015**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **NMD Software Development Plan (SDP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.12**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **One Time per agreement**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Preparation Instructions: Plan shall be prepared in Contractor format.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the SDP will be provided within 45 days after receipt of each submittal. Submit final update within 30 days after receipt of Government comments.**

**Blocks 10, 12 and 13: The Software Development Plan (SDP) will be delivered 90 days after contract award. The Software Development Plan (SDP) will be updated one time.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO: **B022**
2. TITLE OF DATA ITEM: **Interface Control Document (ICD)**
3. SUBTITLE: **NMD External Interface Control Documents (ICD's) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 4.2.3**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**  
**DI-CMAN-81314/DI-IPSC-81436**  
**Contractor format is acceptable.**

**Blocks 8, 12 and 13: The NMD External Interface Control Documents (ICD) will be submitted 30 days prior to System Critical Design Review (SCDR). Government review and approval (or disapproval) and comments to the updated portions of the documents will be by the NMD Interface Control Working Group in accordance with Government and Prime Contract approved NMD Interface Control Plan. Submit final update within 30 days after receipt of Government comments**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B023**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Integration Plan - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.3.2**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**10.2 Change to read as follows: Document shall be in accordance with Contractor format.**

**Add the following:**

**Contents of Plan**

**Plan shall include a discussion of the following:**

- **System Interfaces**
- **System Integration Tools**
- **Role of the JNTF and ISTC in the integration and test process**
- **Intra-element Integration**
- **Element-to-element Integration**
- **Deployment Integration activities**

**Blocks 8, 10, 12 and 13: The NMD System Integration Plan will be submitted 30 days prior to System Critical Design Review, 30 days prior to System Assessment Review, and 30 days prior to System Verification Review. Government review and approval (or disapproval) and comments to the updated portion of the Plan will be provided within 45 days after receipt of each submittal. Submit final update within 30 days after receipt of comments.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B024**  
2. TITLE OF DATA ITEM: **Request for Deviation**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**  
5. CONTRACT REFERENCE: **SOW para. 4.2.3**  
6. REQUIRING OFFICE: **BMDO/JNI-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B025**
2. TITLE OF DATA ITEM: **Request for Waivers**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.3**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B028**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Acceptance and Turnover Plan – Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.37, 4.80, 4.8.3**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Preparation Instructions: Plan shall be prepared in Contractor format.**

**The document will contain a detail description of the Contractor's plan for preparing the NMD Prime Contract System for acceptance by the Government. It will describe all acceptance testing performed by the Contractor and the criteria for successful completion of the test. The plan will contain a detail listing of the acceptance data package to be provided to the Government when the system is delivered, i.e., DD250.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the plan will be provided within 45 days after receipt of each submittal. Submit final update within 60 days after receipt of Government comments.**

**Blocks 12 & 13: Due 90DAC, -90CD SCDR, -90CD B1/I-IAR, -90CD B1/I IAR, and – 90CD B1/I2 IAR**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.3.7, 4.8.0, 4.8.3**
6. REQUIRING OFFICE: **BMDO/JND-A**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**The Consolidated Facilities Requirements Document (FRD) defines the facility concepts and requirements for deployment and operations of the NMD System. It determines the facility functional requirements for the system and provides traceability to the system requirements. The information is to be used to support facilities planning, design and budgeting/programming.**

**The FRD includes lists, design requirements and descriptions of all required facilities to support the NDM System and the Elements. It provides the descriptions for each facility required in terms of attributes or specified environments, which effect performance, design and/or cost. FRDs included:**

- **Functional descriptions**
- **General facility descriptions**
- **Current DD Form 1391**

**(Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD) - Update**

**Block 4: (Cont.)**

**FRDs included: (Cont.)**

- **Site plans, preliminary line drawings and facility specifications**
- **Utility and transportation requirements**
- **Construction contractor considerations and schedule requirements**
- **Security considerations**

**Contractor format is acceptable.**

**Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final FRD within 30 days after receipt of Government comments.**

**Blocks 12 & 13: Due 90DAC, -30CD SCDR, -90CD *B1/I*-IAR, -90CD *B1/II* IAR, and -60CD *B1/I2* IAR**

**(End of B030)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B032**
2. TITLE OF DATA ITEM: **Site Preparation Requirements and Installation Plan**
3. SUBTITLE: **Capstone Site Activation Plan (CSAP) - Update**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MGMT-80033/T**
5. CONTRACT REFERENCE: **SOW para.4.3.7, 4.8.0, 4.8.3**
6. REQUIRING OFFICE: **BMDO/JND-A**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Contractor format is acceptable.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the Plan will be provided within 45 days after receipt of each submittal. Submit final update within 30 days after receipt of Government comments.**

**Blocks 12 & 13: Due 90DAC, -90CD SCDR, -90CD B1/I-IAR, -90CD B1/II IAR, and -90CD B1/I2 IAR**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B033**
2. TITLE OF DATA ITEM: **Integrated Logistics Support Plan**
3. SUBTITLE: **Integrated Logistics Support Plan (ILSP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-80095/T**
5. CONTRACT REFERENCE: **SOW para. 4.3.7, 4.8.0, 4.8.3**
6. REQUIRING OFFICE: **BMDO/JND-P**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Contractor shall use DI-ILSS-80095 as a guide.**

**Contractor format is acceptable.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the Plan will be provided within 45 days after receipt of each submittal. Submit final ILSP-Update within 30 days after receipt of Government comments.**

**Blocks 12 & 13: Due at SCDR, and IB BVR30CD.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B034**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD System Training Plan (STP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.10.6**
6. REQUIRING OFFICE: **BMDO/JND-P**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**The document shall contain the Contractor's plans for preparing for and conducting training of Government personnel on the NMD System through all phases of the program. It shall include identification of training courses to be conducted, training material to be developed for the courses, training equipment to be provided, and training facility requirements. It shall identify the roles of the Contractor and the Government in all training activities as well as detail schedules.**

**Contractor format is acceptable.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of the Plan will be provided within 45 days after receipt of each submittal. Submit final update within 30 days after receipt of Government comments.**

**Block 12: SCDR-30 CD.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B035**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Safety Assessment Report (SAR) / Hazard Tracking System (HTS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.6**
6. REQUIRING OFFICE: **BMDO/JND-A**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Add paragraph 10.4. Document content will address potential hazards associated with physical and personnel safety, environmental pollution or hazardous materials and waste, and personal health, risk assessments and hazards prioritization, and the databases used to identify, track, and minimize the aforementioned hazards associated with each system test(s).**

**Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SAR/HTS within 30 days after receipt of Government comments.**

**Blocks 12 and 13: Submit 30 days prior to program events.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B041**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **NMD System Verification Plan– Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MNTY-81188/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.8**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**10.1 Delete “Demonstration and Evaluations”.**

**10.2 Content. Delete and insert the following:**

**The Verification Plan shall describe, at the system level, how system requirements will be verified through testing, simulation and analysis. It shall include top-level schedules, descriptions of test facilities and equipment, and overall planning approach.**

**Blocks 10, 12 & 13: Submit updated plan 30 days prior to System Critical Design Review, 30 days prior to System Assessment Review, and 30 days prior to System Verification Review.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B048**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para., 4.6.2**
6. REQUIRING OFFICE: **BMDO/JNB-N**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4:**

**Contractor format is acceptable.**

**Block 12: SCDR –30 CD.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B052**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **XBR Element Level A Specification - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
5. CONTRACT REFERENCE: **SOW para. 4.5.2**
6. REQUIRING OFFICE: **BMDO/JNX**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4: Contractor format is acceptable.**

**Block 12: SCDR-30 CD.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B056**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **UEWR Element Level A Specification - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 4.4.2**
6. REQUIRING OFFICE: **BMDO/JNU**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4: Contractor format is acceptable.**

**Block 12: SCDR-30 CD.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY:    TDP\_\_\_    TM\_\_\_    OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**                      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.:                      **B063**
2. TITLE OF DATA ITEM:                      **Scientific and Technical Reports**
3. SUBTITLE:                      **Inputs to NMD Cost Analysis Requirements Description (CARD)**
4. AUTHORITY: (*Data Acquisition Document No.*):                      **DI-MISC-80711/T**
5. CONTRACT REFERENCE:                      **SOW 4.2.9**
6. REQUIRING OFFICE:                      **BMDO/JNE**
7. DD250 REQ:                      **LT**
8. APP CODE:                      **A**
9. DISTRIBUTION STATEMENT REQUIRED:                      **F**
10. FREQUENCY:                      **See Block 16**
11. AS OF DATE:                      **ASREQ**
12. DATE OF FIRST SUBMISSION:                      **2001 Feb 15**
13. DATE OF SUBSEQUENT SUBMISSION:                      **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES:                      **See Table B-1**
16. REMARKS:

**Block 4:**

**10 Preparation Instructions.**

**10.3 Content.** Develop and coordinate inputs to the annual NMD Cost Analysis Requirements Description (CARD). Input shall address the base NMD architecture and variants thereto consistent with NMD evolvability strategy, and shall be provided in formats provided by the Government in the below-mentioned notification. Input shall address the entire program life cycle of the described architectures and capabilities, to include: 1) Engineering and Manufacturing Development (EMD); 2) Production, Fielding, and Deployment (PFD); 3) 20 years of Operations and Sustainment (O&S); and, 4) Demilitarization. The contractor shall not submit Section 11 (Track to Prior CARD) or Section 12 (Contractor Cost Data Reporting Plan) as a part of this CDRL.

**Block 8:** Government review and approval (or disapproval) and comments will be provided within 30 days after receipt. Submit revised Input to NMD CARD within 30 days after receipt of Government comments.

**Blocks 10 and 13:** Annual updates shall be provided upon ninety (90) days written notice from the Contracting Officer. The Government reserves the right to call for "Out-of-Cycle" CARD Input Updates in the event of major budget or program changes. Such "Out-of-Cycle" submissions also shall be provided upon ninety (90) days written notice from the Contracting Officer and shall take the place of an annual update.

G. PREPARED BY:    Lt Col MUN KWON, BMDO/JNC                      H. DATE:    1 DEC 00  
I. APPROVED BY:    Mr. MIKE WALLACE, BMDO/RMC                      J. DATE:    4 DEC 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B064**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Computer Resources Integrated Deployment and Sustainment Document (CRID&SD)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para., 4.8.3**
6. REQUIRING OFFICE: **BMDO/JNI-E, JND-A, JND-S**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

**Block 4: Contractor Format is acceptable. This document will describe the contractor's approach to deployment and sustainment of critical computer resources. Content to be limited to contractually obligated tasks and responsibilities related to the following subject areas of computer resources deployment and sustainment.**

- a. **Identification of applicable computer resources related to or contained within the NMD system**
- b. **Deployment of applicable computer resources**
- c. **Sustainment (maintenance and logistics) of applicable computer resources**
- d. **Configuration and external interface management**
- e. **Design impacts related to D&S activities**

**Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final CRID&SD within 30 days after receipt of Government comments.**

**Block 12&13: Due 120 DAC, SCDR and IB BVR**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **B065**  
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921 & 1921-1)**  
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 & 1921-1 NMD CCDR**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-81565**  
5. CONTRACT REFERENCE: **SOW para. 4.1.2**  
6. REQUIRING OFFICE: **BMDO/JNC**  
7. DD250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **Annually**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**  
16. REMARKS:

**Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC x12EDI 196 Transaction Set).**

**Reports shall include all contract cost (prime and subcontractor) in accordance with the attached Cost Breakdown Structure (CBS), modified CCDR-DD 1921 and CCDR-DD 1921-1. The Contractor will report to level 3 only even though lower levels are indicated on the attached CCDR-DD 1921 and CCDR-DD 1921-1. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government cost Breakdown Structure, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (Blocks F and J). Complete Block G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify and specific CWBS breakouts that do not require reporting.**

**Blocks 12 & 13: 3-15-01, Annually.**

- G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

HQ0006-01-C-0001  
Exhibit B

Major Subelement		Work Breakdown Structure Program Contract					
Aviation Missile Defense LSI		Contract #					
Program #		Contract #					
Program Title		Contract Title					
Boeing LSI Contract		Boeing LSI Contract					
Aviation Missile Defense System		Aviation Missile Defense System					
WBS	Description	FOIA/E		DD Form 1381.1	DD Form 1381.2	DD Form 1381.3	DD Form 1381.4
		Exempt	Not Exempt				
WBS	Description	Exempt	Not Exempt	DD Form 1381.1	DD Form 1381.2	DD Form 1381.3	DD Form 1381.4
0.0	BOEING LSI CONTRACT						
1.0	WMD PROGRAM MANAGEMENT						
2.0	WMD SYSTEM ENGINEERING AND INTEGRATION (SE&I)						
2.1	WMD SE&I MANAGEMENT						
2.1.1	SYSTEM ANALYSIS						
2.1.2	SYSTEM DESIGN AND DEVELOPMENT						
2.1.3	SYSTEM VERIFICATION AND VALIDATION						
2.1.4	OPERATIONAL HARDWARE						
2.1.5	LEDS Hardware						
2.1.6	SSSB Hardware						
2.1.7	TESS Hardware						
2.1.8	TEST SUPPORT						
2.1.9	PCB Support						
2.1.10	LEDS Support						
2.1.11	SSSB Support						
2.1.12	TESS Support						
2.1.13	Clear Support						
2.1.14	Facility Integration Support						
2.1.15	TTEC Facility Support						
2.1.16	PCB Facility Support						
2.1.17	LEDS Facility Support						
2.1.18	SSSB Facility Support						
2.1.19	TESS Facility Support						
2.1.20	Clear Facility Support						
2.2	RISK MANAGEMENT						
2.3	SPECIALTY ENGINEERING						
2.4	ENGINEERING INFORMATION MANAGEMENT						
2.5	SYSTEM INTEGRATION						
2.6	LIFE CYCLE COST (LCC)						
2.7	RMS INTERACTION						
2.8	SENSOR INTEGRATION						
3.0	WEAPON SYSTEM						
3.1	WEAPON PROGRAM MANAGEMENT						
3.2	WEAPON SYSTEM ENGINEERING AND INTEGRATION (SE&I)						
3.3	INTERCEPTOR						
3.3.1	Kill Vehicle (KV)						
3.3.1.1	KV ENGINEERING						
3.3.1.1.1	KV Engineering (Contract)						
3.3.1.1.2	Software Simulators & Algorithms						
3.3.1.1.3	Simulations (Contract)						
3.3.1.1.4	SIL						
3.3.1.1.5	High Fidelity Emulator						

		National Missile Defense LSI		Initial Submission Change Contract #		Work Breakdown Structure Program Contract				
		Review & Reference #		Prepared by:		Location:				
				Program Totals		Report Frequency				
WBS Element				Procurement:		CCDR Form #s				
	RDT&E				Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
National Missile Defense System										
3.3.1.2	Seeker						\$	-		
3.3.1.2.1	Optical Telescope						\$	\$		
3.3.1.2.2	Seeker/Sensor Electronics						\$	\$		
3.3.1.2.4	Cryogenics						\$	\$		
3.3.1.2.5	FPA-Visible						\$	\$		
3.3.1.2.6	FPA-LWIR						\$	\$		
3.3.1.2.7	Seeker (Other)						\$	\$		
3.3.1.2.8	Seeker Integration & Test						\$	\$		
3.3.1.3	DACS						\$	\$		
3.3.1.4	Avionics						\$	-		
3.3.1.3.1	Avionics Mgmt & Spt						\$	-		
3.3.1.3.2	Laser Integration System (LIS)						\$	\$		
3.3.1.3.3	GPS						\$	\$		
3.3.1.3.4	IMU						\$	\$		
3.3.1.3.5	Telemetry						\$	\$		
3.3.1.3.6	Power Supply (Battery/1553)						\$	\$		
3.3.1.3.7	EU						\$	\$		
3.3.1.3.8	ECU						\$	\$		
3.3.1.3.9	Harness						\$	\$		
3.3.1.5	KV Structure (incl Adapter)						\$	\$		
3.3.1.6	KV Communications/Comsec						\$	-		
3.3.1.7	KV Integration & Checkout						\$	-		
3.3.1.8	KV/PLV Integration						\$	-		
3.3.1.9	PLV Flight Test						\$	-		
3.3.1.10	KV (Other)						\$	-		
3.3.2	Booster Vehicle						\$	\$		
3.3.2.1	Shroud						\$	\$		
3.3.2.2	Booster Vehicle (other)						\$	-		
3.3.3	Canister						\$	\$		
3.3.4	Interceptor IAT&C						\$	\$		
3.4	WEAPON SYSTEM SUPPORT						\$	-		
3.4.1	System Facilities						\$	-		
3.4.1.1	Prefab Silo						\$	\$		
3.4.1.2	Silo Interface Vault						\$	\$		
3.4.1.3	Silo Closure Mech						\$	\$		
3.4.1.4	Silo (other)						\$	\$		
3.4.2	Command and Launch Equipment (CLE)						\$	\$		
3.4.3	Support Equipment						\$	-		
3.4.4	Training Equipment						\$	-		
3.4.5	WSS IAT&C						\$	-		
3.5	WEAPON TEST AND EVALUATION						\$	-		
3.6	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (D&S)						\$	-		
4.0	UPGRADED EARLY WARNING RADARS (UEWR)						\$	-		
4.1	UEWR MANAGEMENT						\$	-		
4.2	UEWR ANALYSIS AND INTEGRATION (A&I)						\$	-		
4.3	PAVE PAWS UPGRADES						\$	-		
4.3.1	Pave Paws Avionics						\$	-		



HQ0006-01-C-0001  
Exhibit B

National Missile Defense (NMD) Research & Analysis #		Prime Contractor Change Contract #		Work Breakdown Structure Program Contract	
Mission		Program Task #		Mission	
UNITS	COST (\$M)	UNITS	COST (\$M)	DD FORM 128-1	DD FORM 128-2
ROUTE		PAYMENT		COST ESTIMATE	
UNITS	COST (\$M)	UNITS	COST (\$M)	DD FORM 128-1	DD FORM 128-2
National Missile Defense System					
4.3.2.1	Antenna Equipment (TR Modules)				
4.3.2.2	REACTO				
4.3.2.3	ISSC				
4.3.2.4	Signal Processor				
4.4	BINETS UPGRADES				
4.4.1	GENESIS Antennas				
4.4.1.1	Antenna Equipment (TR Modules)				
4.4.1.2	REACTO				
4.4.1.3	ISSC				
4.4.1.4	Signal Processor				
4.5	UEWR TEST AND EVALUATION (TAE)				
4.5.1	UEWR DEPLOYMENT AND SUSTAINMENT (DAS)				
4.5.2					
4.5.3					
4.5.4					
4.5.5					
4.5.6					
4.5.7					
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4.5.99					
4.5.100					

		National Missile Defense LSI		Initial Submission Change Contract #		Work Breakdown Structure Program Contract				
		Review & Reference #		Prepared by:		Location:				
		Program Totals		Report Frequency						
WBS Element			RDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3		
National Missile Defense System										
5.3.2.2	REX/TIG					\$	-			
5.3.2.3	BSG					\$	-			
5.3.2.4	Signal Data Processor Equipment (SDPE)					\$	-			
5.3.2.5	Antenna Mount					\$	-			
5.3.2.6	Display & Control Equipment					\$	-			
5.3.2.7	Other					\$	-			
5.4	XBR TEST & EVALUATION (T&E)					\$	-			
5.5	XBR DEPLOYMENT & SUSTAINMENT (D&S)					\$	-			
5.6	GBR-P					\$	-			
5.6.1	Software Upgrades					\$	-			
5.6.2	Hardware Upgrades					\$	\$			
5.6.3	GBR-P Operations & Maintenance					\$	-			
5.15	XBR MR/UB/Fee					\$	-			
6.0	BATTLE MGMT, COMMAND, CONTROL & COMM (BMC3)					\$	-			
6.1.	BMC3 MANAGEMENT					\$	-			
6.2.	BMC3 SUBCONTRACT MGMT & INTEGRATION					\$	-			
6.3.	BMC2 DEVELOPMENT					\$	-			
6.3.1	BMC2 Hardware					\$	\$			
6.3.2	BMC2 Software					\$	-			
6.3.2.1	COTS Software Acquisition					\$	-			
6.3.2.2	Developed Software					\$	-			
6.3.2.2.1	Initial Capability					\$	-			
6.3.2.2.2	Block 1					\$	-			
6.3.2.2.3	Block 2					\$	-			
6.3.2.3	BMC2 Product IA&T					\$	-			
6.4.	BMC3 TEST EXERCISER (TEX)					\$	\$			
6.5.	COMMUNICATIONS NETWORK					\$	-			
6.5.1	Hardware					\$	-			
6.5.1.1	COTS Hardware Acquisition					\$	\$			
6.5.1.2	Developed Hardware					\$	\$			
6.5.2	Software					\$	-			
6.5.2.1	COTS Software Acquisition					\$	-			
6.5.2.2	Developed Software					\$	-			
6.5.2.2.1	Initial Capability					\$	-			
6.5.2.2.2	Block 1					\$	-			
6.5.2.2.3	Block 2					\$	-			
6.5.2.3	Communications IA&T					\$	-			
6.6.	IN-FLIGHT INTERCEPTOR COMMUNICATIONS SYSTEM (IFICS)					\$	-			
6.6.1	Hardware					\$	-			
6.6.2.1	COTS Hardware Acquisition					\$	\$			
6.6.2.2	Developed Hardware					\$	\$			
6.6.2	Software					\$	-			
6.6.2.1	COTS Software Acquisition					\$	-			
6.6.2.2	Developed Software					\$	-			
6.6.2.2.1	Initial Capability					\$	-			
6.6.2.2.2	Block 1					\$	-			
6.6.2.2.3	Block 2					\$	-			

		Initial Submission		Work Breakdown Structure				
National Missile Defense USI		Change Contract #		Program		Contract		
Review & Reference #		Proposed By:		Location:				
WBS Element	Program Totals						Person Frequency	
	RDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	OD Form 1921	OD Form 1921-1	OD Form 1921-2	OD Form 1921-3
National Missile Defense System								
6.7	EXTERNAL SYSTEMS INTERFACE (ESI)					5		
6.8	EMCE TEST AND EVALUATION					5		
6.9	EMCE DEPLOYMENT AND SUSTAINMENT					5		
7.0	NMD TEST AND EVALUATION (T&E)					5		
7.1	TEST AND EVALUATION (T&E) MANAGEMENT					5		
7.2	T&E ANALYSIS AND INTEGRATION					5		
7.2.1	Integrated Flight Tests (IFT)					5		
7.2.2	Integrated Ground Tests (IGTs)					5		
7.2.3	Integrated Element Tests (IETs)					5		
7.2.4	Specialty Test					5		
7.3	TEST PLANNING					5		
7.3.1	Integrated Flight Test (IFT)					5		
7.3.2	Integrated Ground Tests (IGTs)					5		
7.3.3	Integrated Element Tests (IETs)					5		
7.3.4	Specialty Test					5		
7.4	TEST RESOURCES					5		
7.4.1	PCOL					5		
7.4.1.1	PCOL MANAGEMENT					5		
7.4.1.2	PCOL HARDWARE					5		
7.4.1.2.1	PCOL COTS HARDWARE					5		
7.4.1.2.2	PCOL DEVELOPED HARDWARE					5		
7.4.1.3	PCOL SOFTWARE					5		
7.4.1.3.1	PCOL COTS SOFTWARE					5		
7.4.1.3.2	PCOL DEVELOPED SOFTWARE					5		
7.4.1.4	PCOL INTEGRATION					5		
7.4.1.5	PCOL OPERATIONS AND MAINTENANCE					5		
7.4.2	Test Resources (Other)					5		
7.5	TEST EXECUTION					5		
7.5.1	Integrated Flight Test (IFT)					5		
7.5.2	Integrated Ground Tests (IGTs)					5		
7.5.3	Integrated Element Tests (IETs)					5		
7.5.4	Specialty Test					5		
7.5.5	Site Installation and Test (SIAT)					5		
7.6	ANALYSIS AND EVALUATION					5		
7.6.1	Integrated Flight Test (IFT)					5		
7.6.2	Integrated Ground Tests (IGTs)					5		
7.6.3	Integrated Element Tests (IETs)					5		
7.6.4	Specialty Test					5		
7.7	ISFC					5		
7.7.1	ISFC MANAGEMENT					5		
7.7.2	ISFC HARDWARE					5		
7.7.2.1	ISFC COTS HARDWARE					5		
7.7.2.2	ISFC DEVELOPED HARDWARE					5		
7.7.3	ISFC SOFTWARE					5		
7.7.3.1	ISFC COTS SOFTWARE					5		
7.7.3.2	ISFC DEVELOPED SOFTWARE					5		
7.7.4	ISFC INTEGRATION					5		

		Serial Submission		Work Breakdown Structure					
		Change Contract #		Program		Contract			
		Prepared by		Location		Report Frequency			
		Program Title							
		FOI/E		Procurement		CCRF Form #s			
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
<b>National Missile Defense System</b>									
7.7.5	ISTC OPERATIONS AND MAINTENANCE					57	.		
7.8	HARDWARE IN THE LOOP					58	.		
7.4.1	PCIL MANAGEMENT					59	.		
7.4.2	PCIL HARDWARE					60	.		
7.4.2.1	PCIL COTS HARDWARE					61	.		
7.4.2.2	PCIL DEVELOPED HARDWARE					62	6		
7.4.3	PCIL SOFTWARE					63	.		
7.4.3.1	PCIL COTS SOFTWARE					64	.		
7.4.3.2	PCIL DEVELOPED SOFTWARE					65	8		
7.4.4	PCIL INTEGRATION					66	.		
7.4.5	PCIL OPERATIONS AND MAINTENANCE					67	.		
8.0	<b>DEPLOYMENT AND SUSTAINMENT (D&amp;S)</b>					68	.		
8.1	D&S MANAGEMENT					69	.		
8.2	D&S ANALYSIS AND INTEGRATION (AAI)					70	.		
8.3	DEPLOYMENT READINESS					71	.		
8.4	SITE ACTIVATION AND FACILITIES, SITING AND ENVIRONMENTAL					72	.		
8.5	SUSTAINMENT AND LOGISTICS SUPPORT					73	.		
8.6	SYSTEM COMMON					74	.		
9.0	<b>Special Studies</b>					75	.		
10.0	<b>TEST TRAINING AND EXERCISE CAPABILITY</b>					76	.		
10.1	TTEC MANAGEMENT					77	.		
10.2	ENGINEERING&S ANALYSIS AND INTEGRATION (AAI)					78	.		
10.3	TTEC DEVELOPMENT					79	.		
10.3.1	TTEC SOFTWARE					80	.		
	Initial Capability					81	.		
	Block 1					82	.		
	Block 2					83	.		
10.3.2	TTEC HARDWARE					84	.		
	Initial Capability					85	.		
	Block 1					86	.		
	Block 2					87	12		
10.4	TTEC T&E					88	.		
10.5	TTEC SUSTAINMENT AND LOGISTICS SUPPORT					89	.		
10.6	TTEC TRAINING					90	.		

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B066**  
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**  
3. SUBTITLE: **Modeling and Simulation Plan (MSP)**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**  
5. CONTRACT REFERENCE: **SOW para 4.2.4**  
6. REQUIRING OFFICE: **BMDO/JNE**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **See Block 16**  
11. AS OF DATE: **ASREQ**  
12. DATE OF FIRST SUBMISSION: **2001 MAR 15**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**  
16. REMARKS:

**Block 4:**

The MSP shall be an update to Accessible Data Product (ADP) 184 (Boeing Document D744-10803) submitted under contract HQ0006-98-C-0006

**10 Preparation Instructions.**

**10.3 Content.** The MSP shall contain information formatted per the following outline or other outline that may be agreed upon in advance of submission by BMDO/JNE:

- 1.0 INTRODUCTION
- 2.0 SYSTEM ENGINEERING
- 3.0 SYSTEM SIMULATIONS
  - 3.1 System Level Digital Simulations
  - 3.2 System-Level Ground Test
  - 3.3 System Level Flight Test
  - 3.4 Deployed
- 4.0 ELEMENT SIMULATIONS
  - 4.1 BMC3
    - 4.1.1 Digital Simulations
    - 4.1.2 Ground Test
    - 4.1.3 Flight Test
    - 4.1.4 Deployed

(Continued)

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD LSI**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B066**  
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**  
3. SUBTITLE: **Modeling and Simulation Plan (MSP)**

**16 Remarks (Cont.)**

**10.3 (Continued)**

- 4.2 Ground-Based Interceptor**
  - 4.2.1 Digital Simulations**
  - 4.2.2 Ground Test**
  - 4.2.3 Flight Test**
  - 4.2.4 Deployed**
- 4.3 Sensors**
  - 4.3.1 Digital Simulation**
  - 4.3.2 Ground Test**
  - 4.3.3 Flight Test**
  - 4.3.4 Deployed**
- 5.0 PROCESSES**
- 6.0 SUMMARY**
- 7.0 REFERENCES**
- 8.0 ACRONYM LIST**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B067**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Technical Performance Measures (TPMs)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para 4.2.2, 4.2.8, 4.7.6**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

**10 Preparation Instructions.**

**10.3 Content.** Provide quarterly updates to a subset (agreed upon by the NMD JPO [BMDO/JNI] and the contractor) of the existing TPMs for use in tracking NMD performance. Contractor format applies but System TPMs shall, as a minimum, contain the following:

**Definition of the TPM**

**Relationship to Specifications, Verification and Assessment Logic Networks**

**Expected values at end of assessment periods and completion of major events**

**Variation between the expected and measured performance**

**Variation in performance as a function of time**

**Conditions, scenarios, and configurations associated with each expected and measured performance.**

**Mitigation Plan for TPMs showing shortfalls in performance**

**Blocks 10, 12, 13: Submit the initial TPM report by 2001 Feb 15. Individual TPMs will be updated on a schedule agreed to between the Government and the Contractor. However, System TPMs will be updated quarterly. Initial submittal will include a recommended update schedule for other TPMs. The initial report shall include a brief narrative with the recommended schedule**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0102**                      B. EXHIBIT: **B**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **B068**
2. TITLE OF DATA ITEM: **Transition Plan**
3. SUBTITLE: **NMD Communication Network (NCN) Transition Plan**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MGMT-80790/T**
5. CONTRACT REFERENCE: **SOW 4.6.5**
6. REQUIRING OFFICE: **BMDO/JNB**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **One time submittal.**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **180 days after CLIN is exercised.**
13. DATE OF SUBSEQUENT SUBMISSION: **None**
14. DISTRIBUTION and 15. TOTAL COPIES: **TINS only**
16. REMARKS:

**Block 4: Data Item Description DI-MGMT-80790 is tailored as follows:**

**7.2 Delete**

**10.2.1 Change “production related activities” to read “development related activities.”**

**Delete: “test and low rate production.”**

**10.2.2 Delete**

**10.2.3 Delete all after “Transition Plan”**

**10.2.4 Change to read: The plan should reflect an integrated corporate strategy covering, as a minimum the activities required and planned during the NCN development to meet the requirements contained in Attachment 1 to this form.**

**Add: 10.2.5 The plan shall identify: tasks necessary to assure the NCN design can be smoothly transitioned to DISN, problems or issues requiring resolution, recommendations for resolution of such issues, activity interdependencies, activity owners, schedules, and generalized cost impacts, as necessary.**

**10.3 Format.**

**Delete all subparagraphs. Contractor format acceptable.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: **4 DEC 00**



**EXHIBIT C**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR INITIAL CAPABILITY PRODUCTION CLIN 0201**

The following Exhibit C CDRL Sequence Numbers have been deleted:  
C004 through C011, , C014 through C023, and C026 through C064.

**15 December 2000**

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	C001	C002	C003	C012	C013	C024	C025	C065	C068
<i>Short Title</i>	CFSR	CPR	NMD IMS	DAL	ECP	RFD	RFW	CCDR	NCN Tran Plan
ACO	1	1	1		1			1	1
BMDO/CTN	1	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1	4
BMDO/JNU	1	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	1	1
BMDO/RMC					1	1	1	1	1
HQSPACECOM/JSB	1	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
TIC				1	1	1	1		1
Block 15, Total	18	18	18	18	20	19	19	19	20
Block 6, Requiring Office	JNC	JNC	JNC	JNC	JN	JNI-E	JNI-E	JNC	JNB

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

**Table C-1, CDRL Distribution Matrix**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 8.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **NA**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Content: Submit this report for CLIN 0201.**

**Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 45 calendar days after the end of the contractor's accounting quarter.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 8.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Block 4:**

**Change all references to "Cost/Schedule Control Systems Criteria (C/SCSC)" to read "Earned Value Management Systems (EVMS) Criteria"**

**DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:**

**7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor's system is established. The Contractor shall also make hardcopy distribution to any addressee (Table C-1) who does not have electronic connectivity with the Contractor's system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the NMD JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also**

**(Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **C002**  
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**  
3. SUBTITLE:

**Block 4 (Cont.):**

**include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.**

**7.6.2 Report using Formats 1 through 5.**

**10. PREPARATION INSTRUCTIONS**

**Content: Submit this report for the CLIN under Option to Produce NMD System.**

**10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award.**

**10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.**

**10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the combined amount in block 5b, Negotiated Cost and 5c, Estimated Cost Authorized Unpriced Work. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.**

**10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For Column 14 enter the balance of the Contract.**

**10.2.5.1 (Format 4): Report staffing in hours and person months.**

**10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and "get well" information and variance at completion.**

**10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.**

**Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.**

**(End of C002)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para 8.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Block 4:**

**Applicability: The content of this CDRL is CLIN 0201.**

**Content is modified as follows:**

**10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.**

**10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to the task level including Program Events (PE), Significant Accomplishments (SA), Accomplishment Criteria (AC) and tasks.**

**10.2.6 Integrated Program Network.**

**10.2.6 g. Critical Path. The critical path shall be calculated by computer-based software which—by the time of the exercise of the option for Option to Produce NMD System—shall have evolved from an “intuitive-” or “heuristic-based critical path” to an analytically-based critical path.**

**(Continued)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: 4 Dec 00

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **C003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**

**Block 4 (Cont.):**

**10.2.6 g. Critical Path (Cont.)**

**The analytically-based critical path shall be accompanied by Tier 1 and Tier 2 PowerPoint schedules. The Tier 1 and Tier 2 schedules will include a separate table identifying all the activities / events shown on these schedules and will include, at a minimum, the Prime Contract IMS reference number (PE, SA, AC, or task, as appropriate,) name, and baseline date. Tier 1 and Tier 2 schedules and the backup tables will be used in conjunction with the monthly Cost Performance Report (CPR, CDRL C002) submissions to monitor, assess, and display program progress.**

**10.3 Change "Master Integrated Program Schedule" to read "Integrated Master Schedule (IMS)."**

**Block 12: Due 60 days after contract award.**

**Block 13: Submit MONTHLY. Submittals shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.  
(End of C003)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Block 4: Provide electronic copies of any unclassified documents listed on the Prime Contract Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.**

**10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data that have been generated by the Contractor as a result of the work effort called for by this contract.**

**10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.**

**10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:**

**"UR" = Unlimited Rights**

**"LR" = Limited Rights**

**"GPLR" = Government Purpose License Rights**

**Block 12: Due 60 Days after Contract Award.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: NMD LSI  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C013**
2. TITLE OF DATA ITEM: **Engineering Change Proposals**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.3**
6. REQUIRING OFFICE: **BMDO/JN**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of ANSI/EIA-649 National Consensus Standard for Configuration Management, dated February 1, 1999.**

**10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using ANSI/EIA-649 as a guide.**

**Block 16: The contractor shall prepare, process and control Advanced Change Study Notice (ACSN) in accordance with approved internal Configuration Management process. ACSNs shall be prepared and submitted on the attached form. The normal 45-day CDRL contractual period does not apply to this CDRL. The time period for this CDRL will be agreed upon by the Government and Contractor for ECPs and ACSNs.**

G. PREPARED BY: **LT COL MUN KWON**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC**      J. DATE: **4 Dec 00**

<b>Advance Change/Study Notice (ACSN)</b>		<b>1. Date:</b> /   / (YYYY/MM/DD)	<b>JPO FORM 2616</b>
2. Procuring Activity Number: HQ0006		3. DODAAC: HQ0006	
4. ACSN TITLE:			
<b>5. Originator</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Address:</b> (Street, City, State, Zip Code)	
		6. ACSN Number:	
<b>7. OPR</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Directorate:</b>	<b>c. Address:</b> (Street, City, State, Zip Code)
1. Item Affected:			
9. Need For Change:			
10. Description of Change/Study:			For Additional Space Use
11. Alternatives to Suggested Change/Study:			For Additional Space Use Block
12. Budgetary Cost Estimates:			For Additional Space Use Block
13. Program Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>c. Date Signed</b> / / (YYYY/MM/DD)
14. Contracting Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>d. Date Signed</b> / / (YYYY/MM/DD)
15. Contractor:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>e. Date Signed</b> / / (YYYY/MM/DD)

DDForm 2616, Aug 96 (EG)

9A. (Supplemental) Need For Change:

10A. (Supplemental) Description of Change/Study:

11A. (Supplemental) Alternatives to Suggested Change/Study:

DDForm 2616, Aug 96 (EG)

(Supplemental)

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C024**
2. TITLE OF DATA ITEM: **Request for Deviation**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.0**
6. REQUIRING OFFICE: **BMDO/JN1-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C025**  
2. TITLE OF DATA ITEM: **Request for Waivers**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**  
5. CONTRACT REFERENCE: **SOW para. 8.2.0**  
6. REQUIRING OFFICE: **BMDO/JNI-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This DID contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0202**                      B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **C065**  
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921 & 1921-1)**  
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 & 1921-1 NMD CCDR**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-81565**  
5. CONTRACT REFERENCE: **SOW para. 8.1.2**  
6. REQUIRING OFFICE: **BMDO/JNC**  
7. DD250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **Annually**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**  
16. REMARKS:

**Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC x12EDI 196 Transaction Set).**

**Reports shall include all contract cost (prime and subcontractor) in accordance with the attached Cost Breakdown Structure (CBS), modified CCDR-DD 1921 and CCDR-DD 1921-1. The Contractor will report to level 3 only even though lower levels are indicated on the attached CCDR-DD 1921 and CCDR-DD 1921-1. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government cost Breakdown Structure, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (Blocks F and J). Complete Block G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify and specific CWBS breakouts that do not require reporting.**

**Blocks 12 & 13: 3-15-01, Annually**

- G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

HQ0006-01-C-0001  
Exhibit C

National Missile Defense LSI		Program Contract #		Work Breakdown Structure Program Contract	
Business Processes #		Program Dates		Budget Periods	
WBS Element	Description	FOUAE		Procurement	
		Units	Cost (\$M)	Units	Cost (\$M)
		DD Form 1921	DD Form 1921.1	DD Form 1921.2	DD Form 1921.3
0.0	BIDDING LSI CONTRACT				
1.0	NSM PROGRAM MANAGEMENT				
2.0	NSM SYSTEM ENGINEERING AND INTEGRATION (SE&I)				
2.1	NSM SE&I MANAGEMENT				
2.1.1	SYSTEM ANALYSIS				
2.1.2	SYSTEM DESIGN AND DEVELOPMENT				
2.1.3	SYSTEM VERIFICATION AND VALIDATION				
2.1.4	REGULATION MANAGEMENT				
2.1.5	LEDS Hardware				
2.1.6	SESA Hardware				
2.1.7	TEES Hardware				
2.1.8	REGULATOR SUPPORT				
2.1.9	TEEC SUPPORT				
2.1.10	FCIL Support				
2.1.11	LEDS Support				
2.1.12	SESA Support				
2.1.13	TEES Support				
2.1.14	Other Support				
2.1.15	Facility Integration Support				
2.1.16	TEEC Facility Support				
2.1.17	FCIL Facility Support				
2.1.18	LEDS Facility Support				
2.1.19	SESA Facility Support				
2.1.20	TEES Facility Support				
2.1.21	Other Facility Support				
2.2	RISK MANAGEMENT				
2.3	SPECIALTY ENGINEERING				
2.4	ENGINEERING INFORMATION MANAGEMENT				
2.5	SYSTEM INTEGRATION				
2.6	LIFE CYCLE COST (LCC)				
2.7	BNCS INTEGRATION				
2.8	SENSOR INTEGRATION				
2.9	WEAPON SYSTEM				
2.10	WEAPON PROGRAM MANAGEMENT				
2.11	WEAPON SYSTEM ENGINEERING AND INTEGRATION (SE&I)				
2.12	INTERCEPTOR				
2.13	Ball Vertical (BV)				
2.14	KV ENGINEERING				
2.15	KV Engineering (Cross)				
2.16	Software Simulations in Argentina				
2.17	Simulations (China)				
2.18	SE				
2.19	High Fidelity Emulator				

		Initial Submission		Work Breakdown Structure				
National Missile Defense LSI		Change Contract #		Program		Contract		
Review & Reference #		Prepared by		Location:				
WBS Element	Program Totals		Report Frequency					
	FDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
<b>National Missile Defense System</b>								
3.3.1.2	Seeker				\$	-		
3.3.1.2.1	Optical Telescope				\$	\$		
3.3.1.2.2	Seeker/Sensor Electronics				\$	\$		
3.3.1.2.4	Cryogenics				\$	\$		
3.3.1.2.6	FFA-Visible				\$	\$		
3.3.1.2.6	FFA-LWIR				\$	\$		
3.3.1.2.7	Seeker (Other)				\$	\$		
3.3.1.2.8	Seeker Integration & Test				\$	\$		
3.3.1.3	DACS				\$	\$		
3.3.1.4	Avionics				\$	-		
3.3.1.3.1	Avionics Mgmt & Spt				\$	-		
3.3.1.3.2	Laser Integration System (LIS)				\$	\$		
3.3.1.3.3	GPS				\$	\$		
3.3.1.3.4	IMU				\$	\$		
3.3.1.3.5	Telemetry				\$	\$		
3.3.1.3.6	Power Supply (Battery/1553)				\$	\$		
3.3.1.3.7	EU				\$	\$		
3.3.1.3.8	ECU				\$	\$		
3.3.1.3.9	Harness				\$	\$		
3.3.1.5	KV Structure (incl Adapter)				\$	\$		
3.3.1.6	KV Communications/Comsec				\$	-		
3.3.1.7	KV Integration & Checkout				\$	-		
3.3.1.8	KV/PLV Integration				\$	-		
3.3.1.9	PLV Flight Test				\$	-		
3.3.1.10	KV (Other)				\$	-		
3.3.2	<b>Booster Vehicle</b>				\$	\$		
3.3.2.1	Shroud				\$	\$		
3.3.2.2	Booster Vehicle (other)				\$	\$		
3.3.3	<b>Canister</b>				\$	\$		
3.3.4	<b>Interceptor IAT&amp;C</b>				\$	\$		
3.4	<b>WEAPON SYSTEM SUPPORT</b>				\$	-		
3.4.1	<b>System Facilities</b>				\$	-		
3.4.1.1	Prefab Silo				\$	\$		
3.4.1.2	Silo Interface Vault				\$	\$		
3.4.1.3	Silo Closure Mech				\$	\$		
3.4.1.4	Silo (other)				\$	\$		
3.4.2	Command and Launch Equipment (CLE)				\$	\$		
3.4.3	Support Equipment				\$	-		
3.4.4	Training Equipment				\$	-		
3.4.5	WSS IAT&C				\$	-		
3.5	<b>WEAPON TEST AND EVALUATION</b>				\$	-		
3.6	<b>WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (D&amp;S)</b>				\$	-		
4.0	<b>UPGRADED EARLY WARNING RADARS (UEWR)</b>				\$	-		
4.1	UEWR MANAGEMENT				\$	-		
4.2	UEWR ANALYSIS AND INTEGRATION (A&I)				\$	-		
4.3	PAVE PAWS UPGRADES				\$	-		
4.3.1	Pave Paws Avionics				\$	-		



HQ0006-01-C-0001  
Exhibit C

National Missile Defense (NMD) Research & Development 3		Final Supervisor Change Contract #		Work Breakdown Structure Program Contract	
PROGRAM NAME		PROGRAM NAME		PROGRAM NAME	
REQUIREMENT		PROCESSING		C.C.P.R. FORM #s	
UNITS	DATE (MM)	UNITS	COST (\$M)	DD FORM 122-1	DD FORM 122-2
Response Missile Defense System					
4.3.1.0	Address Equipment (TR Modules)				
4.3.1.2	REXTTCS				
4.3.1.3	BSC				
4.3.1.4	Signal Processor				
4.4	BMEWS UPGRIDES				
4.4.1	BAEWS Avionics				
4.4.1.1	Airbase Equipment (TR Modules)				
4.4.1.2	REXTTCS				
4.4.1.3	BSC				
4.4.1.4	Signal Processor				
4.5	UEWR TEST AND EVALUATION (TAE)				
4.5	UEWR DEPLOYMENT AND SUSTAINMENT (EAS)				
5.0	X-BAND RADAR (XBR)				
5.1	XBR MANAGEMENT				
5.2	XBR ANALYSIS AND INTEGRATION				
5.3	XBR DESIGN AND DEVELOPMENT				
5.3.1	XBR Design and Development				
5.3.1.1	Antenna Equipment				
5.3.1.1.1	ACDC Converters				
5.3.1.1.2	Transmitters				
5.3.1.1.3	TR Modules (TR)				
5.3.1.1.4	TRMMS (TRM)				
5.3.1.1.5	Logic Distributor Assembly (LDA)				
5.3.1.1.6	Super Element Assembly (SEA)				
5.3.1.1.7	Diagnostic Horn				
5.3.1.1.8	INDE RF Power Logic				
5.3.1.1.9	Antenna Power System				
5.3.1.1.10	Receiver Beam Forming Network (RBFN)				
5.3.1.1.11	Transmit Beam Forming Network (TBFN)				
5.3.1.1.12	Array Base Module				
5.3.1.1.13	Subarray Electronics Assembly (SEA)				
5.3.1.1.14	Subarray Module Logic Assembly (SMLA)				
5.3.1.1.15	Antenna Electronics				
5.3.1.1.16	Antenna Equipment (TRM)				
5.3.1.1.17	Integration, Assembly and Test (IAT)				
5.3.1.2	REXTTCS				
5.3.1.3	Beam Steering Computer (BSC)				
5.3.1.4	Signal Data Processor Equipment (SDPE)				
5.3.1.5	Antenna Motion				
5.3.1.6.1	Drive Platform B Control System (DPBS)				
5.3.1.6.2	Special Measurement Sys (SPMS)				
5.3.1.6.3	Radars & Radar Support Hardware				
5.3.1.6.4	Display & Control Equipment				
5.3.1.7	Other				
5.3.1.8	Application Software Development				
5.3.1.9	XBR Applications				
5.3.1.10	Antenna Equipment (TR Modules)				

Exhibit C

MBS Element	National Missile Defense LSI Review & Reference If	Initial Submission Change Contract #		Work Breakdown Structure Program Contract					
		Prepared by:		Location:					
		Program Totals		Report Frequency					
		RDT&E		Procurement		CODR Form #s			
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
<b>National Missile Defense System</b>									
5.3.2.2	REXTTG					\$	-		
5.3.2.3	BSG					\$	-		
5.3.2.4	Signal Data Processor Equipment (SDPE)					\$	-		
5.3.2.5	Antenna Mount					\$	-		
5.3.2.6	Display & Control Equipment					\$	-		
5.3.2.7	Other					\$	-		
5.4	XBR TEST & EVALUATION (T&E)					\$	-		
5.5	XBR DEPLOYMENT & SUSTAINMENT (D&S)					\$	-		
5.6	GBR-P					\$	-		
5.6.1	Software Upgrades					\$	-		
5.6.2	Hardware Upgrades					\$	\$		
5.6.3	GBR-P Operations & Maintenance					\$	-		
5.15	XBR MR/UB/Fee					\$	-		
6.0	<b>BATTLE MGMT, COMMAND, CONTROL &amp; COMM (BMC3)</b>					\$	-		
6.1	BMC3 MANAGEMENT					\$	-		
6.2	BMC3 SUBCONTRACT MGMT & INTEGRATION					\$	-		
6.3	BMC2 DEVELOPMENT					\$	-		
6.3.1	BMC2 Hardware					\$	\$		
6.3.2	BMC2 Software					\$	-		
6.3.2.1	COTS Software Acquisition					\$	-		
6.3.2.2	Developed Software					\$	-		
6.3.2.2.1	Initial Capability					\$	-		
6.3.2.2.2	Block 1					\$	-		
6.3.2.2.3	Block 2					\$	-		
6.3.2.3	BMC2 Product IA&T					\$	-		
6.4	BMC3 TEST EXERCISER (TEX)					\$	\$		
6.5	COMMUNICATIONS NETWORK					\$	-		
6.5.1	Hardware					\$	-		
6.5.1.1	COTS Hardware Acquisition					\$	\$		
6.5.1.2	Developed Hardware					\$	\$		
6.5.2	Software					\$	-		
6.5.2.1	COTS Software Acquisition					\$	-		
6.5.2.2	Developed Software					\$	-		
6.5.2.2.1	Initial Capability					\$	-		
6.5.2.2.2	Block 1					\$	-		
6.5.2.2.3	Block 2					\$	-		
6.5.2.3	Communications IA&T					\$	-		
6.6	IN-FLIGHT INTERCEPTOR COMMUNICATIONS SYSTEM (IFICS)					\$	-		
6.6.1	Hardware					\$	-		
6.6.2.1	COTS Hardware Acquisition					\$	\$		
6.6.2.2	Developed Hardware					\$	\$		
6.6.2	Software					\$	-		
6.6.2.1	COTS Software Acquisition					\$	-		
6.6.2.2	Developed Software					\$	-		
6.6.2.2.1	Initial Capability					\$	-		
6.6.2.2.2	Block 1					\$	-		
6.6.2.2.3	Block 2					\$	-		

MIS Element	National Missile Defense System	Initial Submission		Work Breakdown Structure					
		Change Control #		Program		Contract			
		Revision & Reference #		Proposed by:		Location:			
		Program Totals		Person Frequency					
		Procurement		GORD Form #s					
		Units	Cost (\$M)	Units	Cost (\$M)	OD Form 1921	OD Form 1921-1	OD Form 1921-2	OD Form 1921-3
6.7	EXTERNAL SYSTEMS INTERFACE (ESI)					05			
6.8.1	BMC2 TEST AND EVALUATION					05			
6.8	BMC2 DEPLOYMENT AND SUSTAINMENT					05			
7.0	NMD TEST AND EVALUATION (T&E)					05			
7.1	TEST AND EVALUATION (T&E) MANAGEMENT					05			
7.2	T&E ANALYSIS AND INTEGRATION					05			
7.2.1	Integrated Flight Test (IFT)					05			
7.2.2	Integrated Ground Tests (IGTs)					05			
7.2.3	Integrated Element Tests (IETs)					05			
7.2.4	Specialty Test					05			
7.3	TEST PLANNING					05			
7.3.1	Integrated Flight Test (IFT)					05			
7.3.2	Integrated Ground Tests (IGTs)					05			
7.3.3	Integrated Element Tests (IETs)					05			
7.3.4	Specialty Test					05			
7.4	TEST RESOURCES					05			
7.4.1	PCIL					05			
7.4.1.1	PCIL MANAGEMENT					05			
7.4.1.2	PCIL HARDWARE					05			
7.4.1.2.1	PCIL COTS HARDWARE					05			
7.4.1.2.2	PCIL DEVELOPED HARDWARE					05			
7.4.1.3	PCIL SOFTWARE					05			
7.4.1.3.1	PCIL COTS SOFTWARE					05			
7.4.1.3.2	PCIL DEVELOPED SOFTWARE					05			
7.4.1.4	PCIL INTEGRATION					05			
7.4.1.5	PCIL OPERATIONS AND MAINTENANCE					05			
7.4.2	Test Resources (Other)					05			
7.5	TEST EXECUTION					05			
7.5.1	Integrated Flight Test (IFT)					05			
7.5.2	Integrated Ground Tests (IGTs)					05			
7.5.3	Integrated Element Tests (IETs)					05			
7.5.4	Specialty Test					05			
7.5.5	Siz Installation and Test (SIAT)					05			
7.6	ANALYSIS AND EVALUATION					05			
7.6.1	Integrated Flight Test (IFT)					05			
7.6.2	Integrated Ground Tests (IGTs)					05			
7.6.3	Integrated Element Tests (IETs)					05			
7.6.4	Specialty Test					05			
7.7	ISIC					05			
7.7.1	ISIC MANAGEMENT					05			
7.7.2	ISIC HARDWARE					05			
7.7.2.1	ISIC COTS HARDWARE					05			
7.7.2.2	ISIC DEVELOPED HARDWARE					05			
7.7.3	ISIC SOFTWARE					05			
7.7.3.1	ISIC COTS SOFTWARE					05			
7.7.3.2	ISIC DEVELOPED SOFTWARE					05			
7.7.4	ISIC INTEGRATION					05			

		Initial Submission		Work Breakdown Structure					
		Change Contract #		Program Contract					
		Prepared by		Location					
		Program Code		Report Frequency					
WBS Element	National Missile Defense System	FDT&E		Procurement		CCRF Form #s			
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
7.7.5	ISFC OPERATIONS AND MAINTENANCE					50	.		
7.8	HARDWARE IN THE LOOP					50	.		
7.4.1	PCIL MANAGEMENT					50	.		
7.4.2	PCIL HARDWARE					50	.		
7.4.2.1	PCIL COTS HARDWARE					50	.		
7.4.2.2	PCIL DEVELOPED HARDWARE					50	6		
7.4.3	PCIL SOFTWARE					50	.		
7.4.3.1	PCIL COTS SOFTWARE					50	.		
7.4.3.2	PCIL DEVELOPED SOFTWARE					50	50		
7.4.4	PCIL INTEGRATION					50	.		
7.4.5	PCIL OPERATIONS AND MAINTENANCE					50	.		
8.0	DEPLOYMENT AND SUSTAINMENT (D&S)					50	.		
8.1	D&S MANAGEMENT					50	.		
8.2	D&S ANALYSIS AND INTEGRATION (AAI)					50	.		
8.3	DEPLOYMENT READINESS					50	.		
8.4	SITE ACTIVATION AND FACILITIES, SITING AND ENVIRONMENTAL					50	.		
8.5	SUSTAINMENT AND LOGISTICS SUPPORT					50	.		
8.6	SYSTEM COMMON					50	.		
9.0	Special Studies					50	.		
10.0	TEST TRAINING AND EXERCISE CAPABILITY					50	.		
10.1	TTEC MANAGEMENT					50	.		
10.2	ENGINEERING'S ANALYSIS AND INTEGRATION (AAI)					50	.		
10.3	TTEC DEVELOPMENT					50	.		
10.3.1	TTEC SOFTWARE					50	.		
	Initial Capability					50	.		
	Block 1					50	.		
	Block 2					50	.		
10.3.2	TTEC HARDWARE					50	.		
	Initial Capability					50	.		
	Block 1					50	.		
	Block 2					50	.		
10.4	TTEC T&E					50	.		
10.5	TTEC SUSTAINMENT AND LOGISTICS SUPPORT					50	.		
10.6	TTEC TRAINING					50	.		

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **C068**  
2. TITLE OF DATA ITEM: **Transition Plan**  
3. SUBTITLE: **NMD Communication Network (NCN) Transition Plan Plan - Update**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-80790/T**  
5. CONTRACT REFERENCE: **SOW 8.6.5**  
6. REQUIRING OFFICE: **BMDO/JNB**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **One time submittal**  
11. AS OF DATE: **ASREQ**  
12. DATE OF FIRST SUBMISSION: **180 days after CLIN is exercised.**  
13. DATE OF SUBSEQUENT SUBMISSION: **None**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**

16. REMARKS: **Block 4: Data Item Description DI-MGMT-80790 is tailored as follows:**  
**7.2 Delete**

**10.2.1 Change "production related activities" to read "deployment related activities."  
Delete: "test and low rate production."**

**10.2.2 Delete**

**10.2.3 Delete all after "Transition Plan"**

**Change to read: The plan should reflect an integrated corporate strategy covering, as a minimum the activities required and planned during the NCN deployment to demonstrate the NCN meets the requirements contained in Attachment 1 to this form.**

**Add: 10.2.5 The plan shall identify: tasks/activities necessary to demonstrate (including tests and similar evaluations) NCN compliance with DISN transition requirements, demonstration schedules, problem/ issue resolution approaches, demonstration activity interdependencies, activity owners, and cost impacts, as necessary.**

**Block 8: Government review and approval (or disapproval) and comments to the updated portions of this Plan will be provided within 45 days after receipt. Submit revised NCN Transition Plan within 30 days after receipt of Government comments.**

**10.3 Format. Delete all subparagraphs. Contractor format acceptable.  
See continuation**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: **4 DEC 00**

**EXHIBIT D**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR BLOCK 1 INCREMENT 1 DEVELOPMENT FOR CLIN 0103**

The following Exhibit D CDRL Sequence Numbers have been deleted:

D003 through D012, D014 through D023, D026 through D034, and D036 through D064.

**15 December 2000**

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	D001	D002	D003	D012	D013	D024	D025	D035	D065
<i>Short Title</i>	CFSR	CPR	NMD IMS	DAL/ID	ECP	RFD	RFW	SAR/ HTS	CCDR
ACO	1	1	1		1				1
BMDO/CTN	1	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	1	1
BMDO/RMC				1	1	1	1	1	1
HQSPACECOM/J5B	1	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
TIC				1	1	1	1	1	
Block 15, Total	18	18	18	19	20	19	19	19	19
Block 6, Requiring Office	JNC	JNC	JNC	JNC	JN	JNT	JNC	JN	JNI-E/ JNG

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

**Table D-1, CDRL Distribution Matrix**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 5.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **NA**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Content: Submit this report for the CLIN 0103.**

**Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 45 calendar days after the end of the contractor's accounting quarter.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 5.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read “Earned Value Management Systems (EVMS) Criteria”**

**DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:**

**7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table D-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the NMD JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also**

**(Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **D002**  
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**  
3. SUBTITLE:

**Block 4 (Cont.):**

**include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.**

**7.6.2 Report using Formats 1 through 5.**

**10. PREPARATION INSTRUCTIONS**

**Content: Submit this report for CLIN 0103.**

**10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award.**

**10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.**

**10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the combined amount in block 5b, Negotiated Cost and 5c, Estimated Cost Authorized Unpriced Work. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.**

**10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For Column 14 enter the balance of the Contract.**

**10.2.5.1 (Format 4): report staffing in hours and person months.**

**10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and "get well" information and variance at completion.**

**10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.**

**Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.**

**(End of D002)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: 4 Dec 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para 8.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**Applicability: The content of this CDRL is CLIN 0103.**

**Content is modified as follows:**

**10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.**

**10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to the task level including Program Events (PE), Significant Accomplishments (SA), Accomplishment Criteria (AC) and tasks.**

**10.2.6 Integrated Program Network.**

**10.2.6 g. Critical Path. The critical path shall be calculated by computer-based software which—by the time of the exercise of the option for Option to Produce NMD System—shall have evolved from an “intuitive-” or “heuristic-based critical path” to an analytically-based critical path.**

**(Continued)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: 4 Dec 00

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **D003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**

**Block 4 (Cont.):**

**10.2.6 g. Critical Path (Cont.)**

**The analytically-based critical path shall be accompanied by Tier 1 and Tier 2 PowerPoint schedules. The Tier 1 and Tier 2 schedules will include a separate table identifying all the activities / events shown on these schedules and will include, at a minimum, the Prime Contract IMS reference number (PE, SA, AC, or task, as appropriate,) name, and baseline date. Tier 1 and Tier 2 schedules and the backup tables will be used in conjunction with the monthly Cost Performance Report (CPR, CDRL D002) submissions to monitor, assess, and display program progress.**

**10.3 Change "Master Integrated Program Schedule" to read "Integrated Master Schedule (IMS)."**

**Block 12: Due 60 days after contract award.**

**Block 13: Submit MONTHLY. Submittals shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.  
(End of D003)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 5.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4: Provide electronic copies of any unclassified documents listed on the Prime Contract Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.**

**10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data that have been generated by the Contractor as a result of the work effort called for by this contract.**

**10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.**

**10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:**

**"UR" = Unlimited Rights**

**"LR" = Limited Rights**

**"GPLR" = Government Purpose License Rights**

**Block 12: Due 60 Days after Contract Award.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: **1 DEC 00**  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: **4 DEC 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D013**
2. TITLE OF DATA ITEM: **Engineering Change Proposals**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.3**
6. REQUIRING OFFICE: **BMDO/JN**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of ANSI/EIA-649 National Consensus Standard for Configuration Management, dated February 1, 1999.**

**10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using ANSI/EIA-649 as a guide.**

**Block 16: The contractor shall prepare, process and control Advanced Change Study Notice (ACSN) in accordance with approved internal Configuration Management process. ACSNs shall be prepared and submitted on the attached form. The normal 45-day CDRL contractual period does not apply to this CDRL. The time period for this CDRL will be agreed upon by the Government and Contractor for ECPs and ACSNs.**

G. PREPARED BY: **LT COL MUN KWON**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC**      J. DATE: **4 Dec 00**

<b>Advance Change/Study Notice (ACSN)</b>		<b>1. Date:</b> /   / (YYYY/MM/DD)	<b>JPO FORM 2616</b>
2. Procuring Activity Number: HQ0006		3. DODAAC: HQ0006	
4. ACSN TITLE:			
<b>5. Originator</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Address:</b> (Street, City, State, Zip Code)	6. ACSN Number:
<b>7. OPR</b> <b>a. Name:</b> (First, Middle Initial, Last)	<b>b. Directorate:</b>	<b>c. Address:</b> (Street, City, State, Zip Code)	
1. Item Affected:			
9. Need For Change:			
10. Description of Change/Study:			For Additional Space Use
11. Alternatives to Suggested Change/Study:			For Additional Space Use Block
12. Budgetary Cost Estimates:			For Additional Space Use Block
13. Program Office:			
<b>a. Name:</b> (First, Middle Initial, Last)	<b>b. Signature</b>	<b>c. Date Signed</b> / / (YYYY/MM/DD)	
14. Contracting Office:			
<b>a. Name:</b> (First, Middle Initial, Last)	<b>b. Signature</b>	<b>d. Date Signed</b> / / (YYYY/MM/DD)	
15. Contractor:			
<b>a. Name:</b> (First, Middle Initial, Last)	<b>b. Signature</b>	<b>e. Date Signed</b> / / (YYYY/MM/DD)	

DDForm 2616, Aug 96 (EG)

9A. (Supplemental) Need For Change:

10A. (Supplemental) Description of Change/Study:

11A. (Supplemental) Alternatives to Suggested Change/Study:

DDForm 2616, Aug 96 (EG)(Supplemental)



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D024**
2. TITLE OF DATA ITEM: **Request for Deviation**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.3**
6. REQUIRING OFFICE: **BMDO/JN1-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D025**
2. TITLE OF DATA ITEM: **Request for Waivers**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**
5. CONTRACT REFERENCE: **SOW para.5.2.3**
6. REQUIRING OFFICE: **BMDO/JNI-E**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D035**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Safety Assessment Report (SAR) / Hazard Tracking System (HTS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.6**
6. REQUIRING OFFICE: **BMDO/JND-A**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

**Block 4:**

**Add paragraph 10.4. Document content will address potential hazards associated with physical and personnel safety, environmental pollution or hazardous materials and waste, and personal health, risk assessments and hazards prioritization, and the databases used to identify, track, and minimize the aforementioned hazards associated with each system test(s).**

**Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SAR/HTS within 30 days after receipt of Government comments.**

**Blocks 12 and 13: Submit 30 days prior to program events.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0104**                      B. EXHIBIT: **D**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **D065**  
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921 & 1921-1)**  
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 & 1921-1 NMD CCDR**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-81565**  
5. CONTRACT REFERENCE: **SOW para. 5.1.2**  
6. REQUIRING OFFICE: **BMDO/JNC**  
7. DD250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **Annually**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**  
16. REMARKS:

**Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC x12EDI 196 Transaction Set).**

**Reports shall include all contract cost (prime and subcontractor) in accordance with the attached Cost Breakdown Structure (CBS), modified CCDR-DD 1921 and CCDR-DD 1921-1. The Contractor will report to level 3 only even though lower levels are indicated on the attached CCDR-DD 1921 and CCDR-DD 1921-1. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government cost Breakdown Structure, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (Blocks F and J). Complete Block G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify and specific CWBS breakouts that do not require reporting.**

**Blocks 12 & 13: 3-15-01, Annually.**

- G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**

HQ0006-01-C-0001  
Exhibit D

Mission: Missile Defense L3		Program Contract #		High Performance Schedule Program Contract	
Review & Refinement #		Program Title		Program Frequency	
Units		Cost (\$M)		DD Form 1391.3	
Units		Cost (\$M)		DD Form 1391.2	
Units		Cost (\$M)		DD Form 1391.1	
Boeing L3 Contract					
WMD PROGRAM MANAGEMENT					
WMD SYSTEM ENGINEERING AND INTEGRATION (SEI)					
2.1	WMD SYSTEM MANAGEMENT				
2.2	SYSTEM ANALYSIS				
2.3	SYSTEM DESIGN AND DEVELOPMENT				
2.4	SYSTEM VERIFICATION AND VALIDATION				
2.5	EMULATION HARDWARE				
2.6	LOG Hardware				
2.7	SSA Hardware				
2.8	TESS Hardware				
2.9	EMULATION SUPPORT				
2.10	TTEC Support				
2.11	PCAL Support				
2.12	LOS Support				
2.13	SSM Support				
2.14	TESS Support				
2.15	Other Support				
2.16	Facility Integration Support				
2.17	TTEC Facility Support				
2.18	PCAL Facility Support				
2.19	LOS Facility Support				
2.20	SSM Facility Support				
2.21	TESS Facility Support				
2.22	Other Facility Support				
2.23	RISK MANAGEMENT				
2.24	SPECIALTY ENGINEERING				
2.25	ENGINEERING INFORMATION MANAGEMENT				
2.26	SYSTEM INTEGRATION				
2.27	LIFE CYCLE COST (LCC)				
2.28	BWCS INTEGRATION				
2.29	SENSOR INTEGRATION				
2.30	WEAPON SYSTEM				
2.31	WEAPON PROGRAM MANAGEMENT				
2.32	WEAPON SYSTEM ENGINEERING AND INTEGRATION (SEI)				
2.33	INTERCEPTOR				
2.34	KI Vehicle (KV)				
2.35	KV ENGINEERING				
2.36	KV Engineering (Cont)				
2.37	Systems Simulation & Analysis				
2.38	Simulation Kernel				
2.39	SI				
2.40	High Facility Emulator				

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Exhibit D

Item	Requester/Request		Program/Contract		Funding		Status	
	Requester/Request	Requester/Request	Program/Contract	Program/Contract	Funding	Funding	Status	Status
	Requester/Request	Requester/Request	Program/Contract	Program/Contract	Funding	Funding	Status	Status
3.3.1.2	Seeker	Seeker	Seeker	Seeker	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.3	Optical Telescope	Optical Telescope	Optical Telescope	Optical Telescope	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.4	Receptor/Emitter Elements	Receptor/Emitter Elements	Receptor/Emitter Elements	Receptor/Emitter Elements	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.5	Cryptology	Cryptology	Cryptology	Cryptology	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.6	FWA Module	FWA Module	FWA Module	FWA Module	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.7	SWR, LWR	SWR, LWR	SWR, LWR	SWR, LWR	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.8	Receiver (CW/AF)	Receiver (CW/AF)	Receiver (CW/AF)	Receiver (CW/AF)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.9	Search Integration & Test	Search Integration & Test	Search Integration & Test	Search Integration & Test	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.10	(IACIS)	(IACIS)	(IACIS)	(IACIS)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.11	Antenna	Antenna	Antenna	Antenna	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.12	Antenna Mgmt & Eqs	Antenna Mgmt & Eqs	Antenna Mgmt & Eqs	Antenna Mgmt & Eqs	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.13	Local Integration System (LIS)	Local Integration System (LIS)	Local Integration System (LIS)	Local Integration System (LIS)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.14	GPS	GPS	GPS	GPS	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.15	IMU	IMU	IMU	IMU	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.16	Telemetry	Telemetry	Telemetry	Telemetry	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.17	Power Supply (Battery/DC)	Power Supply (Battery/DC)	Power Supply (Battery/DC)	Power Supply (Battery/DC)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.18	EU	EU	EU	EU	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.19	SCU	SCU	SCU	SCU	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.20	Parasite	Parasite	Parasite	Parasite	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.21	RV (Standalone/End-Assembled)	RV (Standalone/End-Assembled)	RV (Standalone/End-Assembled)	RV (Standalone/End-Assembled)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.22	RV Communications/Console	RV Communications/Console	RV Communications/Console	RV Communications/Console	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.23	RV Integration & Checkout	RV Integration & Checkout	RV Integration & Checkout	RV Integration & Checkout	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.24	RVWLY Integration	RVWLY Integration	RVWLY Integration	RVWLY Integration	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.25	RV Flight Test	RV Flight Test	RV Flight Test	RV Flight Test	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.26	RV (Other)	RV (Other)	RV (Other)	RV (Other)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.27	Receiver Module	Receiver Module	Receiver Module	Receiver Module	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.28	Seeker	Seeker	Seeker	Seeker	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.29	Booster Vehicle (other)	Booster Vehicle (other)	Booster Vehicle (other)	Booster Vehicle (other)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.30	Console	Console	Console	Console	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.31	Interceptor IATAC	Interceptor IATAC	Interceptor IATAC	Interceptor IATAC	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.32	System Furnish	System Furnish	System Furnish	System Furnish	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.33	Pipish-Sip	Pipish-Sip	Pipish-Sip	Pipish-Sip	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.34	SB Interface Vult	SB Interface Vult	SB Interface Vult	SB Interface Vult	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.35	Site Crosshair Mount	Site Crosshair Mount	Site Crosshair Mount	Site Crosshair Mount	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.36	Site (other)	Site (other)	Site (other)	Site (other)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.37	Component and Launch Equipment (CLE)	Component and Launch Equipment (CLE)	Component and Launch Equipment (CLE)	Component and Launch Equipment (CLE)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.38	Support Equipment	Support Equipment	Support Equipment	Support Equipment	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.39	Training Equipment	Training Equipment	Training Equipment	Training Equipment	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.40	WES IATAC	WES IATAC	WES IATAC	WES IATAC	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.41	WEAPON TEST AND EVALUATION	WEAPON TEST AND EVALUATION	WEAPON TEST AND EVALUATION	WEAPON TEST AND EVALUATION	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.42	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (DS)	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (DS)	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (DS)	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (DS)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.43	UPGRADED EARLY WARNING RADARS (URWR)	UPGRADED EARLY WARNING RADARS (URWR)	UPGRADED EARLY WARNING RADARS (URWR)	UPGRADED EARLY WARNING RADARS (URWR)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.44	LEWIA MANAGEMENT	LEWIA MANAGEMENT	LEWIA MANAGEMENT	LEWIA MANAGEMENT	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.45	LEWIA ANALYSIS AND INTEGRATION (AI)	LEWIA ANALYSIS AND INTEGRATION (AI)	LEWIA ANALYSIS AND INTEGRATION (AI)	LEWIA ANALYSIS AND INTEGRATION (AI)	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.46	PAWS BARRIERS	PAWS BARRIERS	PAWS BARRIERS	PAWS BARRIERS	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971
3.3.1.47	PAWS Proxy Access	PAWS Proxy Access	PAWS Proxy Access	PAWS Proxy Access	00 Firm 1971	00 Firm 1971	00 Firm 1971	00 Firm 1971

HQ0006-01-C-0001  
Exhibit D

National Missile Defense (NMD)		Missile Subsystem Change Contract #		Work Breakdown Structure Program Contract	
Program Element #		Program Goals		Mission Objectives	
NMD		NMD		NMD	
Task ID	Task Description	Work Breakdown Structure		Work Breakdown Structure	
		Lines	Cost (\$M)	Lines	Cost (\$M)
		NMD		NMD	
		NMD		NMD	
4.3.1	Antenna Equipment (TFR Modules)				
4.3.2	REACT				
4.3.3	Signal Processor				
4.3.4	Signal Processor				
4.4	BIWENS UPGRADES				
4.4.1	BASE MS AWARDS				
4.4.1.1	Antenna Equipment (TFR Modules)				
4.4.1.2	REACT				
4.4.1.3	Signal Processor				
4.4.1.4	Signal Processor				
4.5	UWNR TEST AND EVALUATION (TAE)				
4.6	UWNR DEPLOYMENT AND SUSTAINMENT (DAS)				
5.0	3-BAND RADAR (3BR)				
5.1	3BR MANAGEMENT				
5.2	3BR ANALYSIS AND INTEGRATION				
5.3	3BR DESIGN AND DEVELOPMENT				
5.3.1	3BR Design and Development				
5.3.1.1	Antenna Equipment				
5.3.1.2	ALOC Correlators				
5.3.1.3	Transmittable Integrated Measures Module (TIMM)				
5.3.1.3.1	TFR Modules (TFR)				
5.3.1.3.2	TFRMM (TFRM)				
5.3.1.3.3	Logic Distribution Assembly (LDA)				
5.3.1.3.4	Signal Element Assembly (SEA)				
5.3.1.4	Corporate Hubs				
5.3.1.5	IEEE PC-PowerLogic				
5.3.1.6	Systems Power System				
5.3.1.7	Plasmat Beam Focusing Network (BFN)				
5.3.1.8	Transmit Beam Forming Network (TBFN)				
5.3.1.9	Avionics Monitor				
5.3.1.10	Subarray Electronics Assembly (SEA)				
5.3.1.11	Subarray Module Logic Assembly (SML)				
5.3.1.12	Antenna Mechanical				
5.3.1.13	Antenna Electronics (AE)				
5.3.1.14	Integration, Assembly and Test (IAT)				
5.3.1.15	REACT				
5.3.1.16	Beam Steering Controller (BSC)				
5.3.1.17	Signal Data Processor Equipment (SDPE)				
5.3.1.18	Antenna Mount				
5.3.1.19	Drive Platform R Control System (DPCS)				
5.3.1.20	Inertial Measurement Unit (IMU)				
5.3.1.21	Radars & Radar Support Hardware				
5.3.1.22	Display & Control Equipment				
5.3.1.23	CRIS				
5.3.1.24	Application Software Development				
5.3.1.25	3BR Deployment				
5.3.1.26	Antenna Equipment (TFR Modules)				

		Initial Submission		Work Breakdown Structure					
National Missile Defense LSI		Change Contract #		Program		Contract			
Review & Reference #		Prepared by:		Location:					
		Program Totals		Report Frequency					
WBS Element		RD&E		Procurement		CCDR Form #s			
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
National Missile Defense System									
5.3.2.2	REX/ITG					\$	-		
5.3.2.3	BSG					\$	-		
5.3.2.4	Signal Data Processor Equipment (SDPE)					\$	-		
5.3.2.5	Antenna Mount					\$	-		
5.3.2.6	Display & Control Equipment					\$	-		
5.3.2.7	Other					\$	-		
5.4	XBR TEST & EVALUATION (T&E)					\$	-		
5.5	XBR DEPLOYMENT & SUSTAINMENT (D&S)					\$	-		
5.6	GBR-P					\$	-		
5.6.1	Software Upgrades					\$	-		
5.6.2	Hardware Upgrades					\$	\$		
5.6.3	GBR-P Operations & Maintenance					\$	-		
5.15	XBR MF/UB/Fee					\$	-		
6.0	<b>BATTLE MGMT, COMMAND, CONTROL &amp; COMM (BMC3)</b>					\$	-		
6.1.	BMC3 MANAGEMENT					\$	-		
6.2.	BMC3 SUBCONTRACT MGMT & INTEGRATION					\$	-		
6.3.	BMC2 DEVELOPMENT					\$	-		
6.3.1	BMC2 Hardware					\$	\$		
6.3.2	BMC2 Software					\$	-		
6.3.2.1	COTS Software Acquisition					\$	-		
6.3.2.2	Developed Software					\$	-		
6.3.2.2.1	Initial Capability					\$	-		
6.3.2.2.2	Block 1					\$	-		
6.3.2.2.3	Block 2					\$	-		
6.3.2.3	BMC2 Product IA&T					\$	-		
6.4.	BMC3 TEST EXERCISER (TEX)					\$	\$		
6.5.	COMMUNICATIONS NETWORK					\$	-		
6.5.1	Hardware					\$	-		
6.5.1.1	COTS Hardware Acquisition					\$	\$		
6.5.1.2	Developed Hardware					\$	\$		
6.5.2	Software					\$	-		
6.5.2.1	COTS Software Acquisition					\$	-		
6.5.2.2	Developed Software					\$	-		
6.5.2.2.1	Initial Capability					\$	-		
6.5.2.2.2	Block 1					\$	-		
6.5.2.2.3	Block 2					\$	-		
6.5.2.3	Communications IA&T					\$	-		
6.6.	IN-FLIGHT INTERCEPTOR COMMUNICATIONS SYSTEM (IFICS)					\$	-		
6.6.1	Hardware					\$	-		
6.6.2.1	COTS Hardware Acquisition					\$	\$		
6.6.2.2	Developed Hardware					\$	\$		
6.6.2	Software					\$	-		
6.6.2.1	COTS Software Acquisition					\$	-		
6.6.2.2	Developed Software					\$	-		
6.6.2.2.1	Initial Capability					\$	-		
6.6.2.2.2	Block 1					\$	-		
6.6.2.2.3	Block 2					\$	-		





		National Missile Defense LSI		Program Summary		Work Breakdown Structure				
		Review & Reference #		Change Control #		Program Title		Location		Program Contract
WBS Element						Budget Frequency				
						CCOR Form #s				
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3	
National Missile Defense System										
7.7.5	ISTC OPERATIONS AND MAINTENANCE					5				
7.8	HARDWARE IN THE LOOP					5				
7.4.1	PCIL MANAGEMENT					5				
7.4.2	PCIL HARDWARE					5				
7.4.2.1	PCIL COTS HARDWARE					5				
7.4.2.2	PCIL DEVELOPED HARDWARE					5		5		
7.4.3	PCIL SOFTWARE					5				
7.4.3.1	PCIL COTS SOFTWARE					5				
7.4.3.2	PCIL DEVELOPED SOFTWARE					5		5		
7.4.4	PCIL INTEGRATION					5				
7.4.5	PCIL OPERATIONS AND MAINTENANCE					5				
9.0	DEPLOYMENT AND SUSTAINMENT (D&S)					5				
9.1	D&S MANAGEMENT					5				
9.2	D&S ANALYSIS AND INTEGRATION (DAI)					5				
9.3	DEPLOYMENT READINESS					5				
9.4	SITE ACTIVATION AND FACILITIES, SITING AND ENVIRONMENTAL					5				
9.5	SUSTAINMENT AND LOGISTICS SUPPORT					5				
9.6	SYSTEM COMMON					5				
9.0	Special Studies					5				
10.0	TEST TRAINING AND EXERCISE CAPABILITY					5				
10.1	TTEC MANAGEMENT					5				
10.2	ENGINEERING/D&S ANALYSIS AND INTEGRATION (AEI)					5				
10.3	TTEC DEVELOPMENT					5				
10.3.1	TTEC SOFTWARE					5				
	Initial Capability					5				
	Block 1					5				
	Block 2					5				
10.3.2	TTEC HARDWARE					5				
	Initial Capability					5				
	Block 1					5				
	Block 2					5				
10.4	TTEC T&E					5				
10.5	TTEC SUSTAINMENT AND LOGISTICS SUPPORT					5				
10.6	TTEC TRAINING					5				

**EXHIBIT E**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR BLOCK 1 INCREMENT 1 CAPABILITY PRODUCTION, CLIN 0203**

The following Exhibit E CDRL Sequence Numbers have been deleted:  
E004 through E012, E014 through E023, and E026 through E064.

**15 December 2000**

14, Distribution*								
<i>CDRL SEQ No.</i>	E001	E002	E003	E012	E013	E024	E025	E065
<i>Short Title</i>	CFSR	CPR	NMD IMS	DAL/ID	ECP	RFD	RFW	CCDR
ACO	1	1	1		1			1
BMDO/CTN	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	1
BMDO/RMC				1	1	1	1	1
HQSPACECOM/J5B	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1
TIC				1	1	1	1	
Block 15,Total	18	18	18	19	20	19	19	20
Block 6, Requiring Office	JNC	JNC	JNC	JNC	JNI-E	JNI-E	JNC	

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

**Table E-1, CDRL Distribution Matrix**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 10.1.12**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **NA**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Content: Submit this report for CLIN 0203.**

**Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 45 calendar days after the end of the contractor's accounting quarter.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**              F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para.10.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Block 4:**

**Change all references to "Cost/Schedule Control Systems Criteria (C/SCSC)" to read "Earned Value Management Systems (EVMS) Criteria"**

**DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:**

**7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor's system is established. The Contractor shall also make hardcopy distribution to any addressee (Table E-1) who does not have electronic connectivity with the Contractor's system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the NMD JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also**

**(Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**              H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**              J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **E002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:

**Block 4 (Cont.):**

**include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.**

**7.6.2 Report using Formats 1 through 5.**

**10. PREPARATION INSTRUCTIONS**

**Content: Submit this report for CLIN 0203.**

**10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award.**

**10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.**

**10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the combined amount in block 5b, Negotiated Cost and 5c, Estimated Cost Authorized Unpriced Work. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.**

**10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For Column 14 enter the balance of the Contract.**

**10.2.5.1 (Format 4): report staffing in hours and person months.**

**10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and "get well" information and variance at completion.**

**10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted..**

**Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.**

**(End of C002)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: *(Data Acquisition Document No.)*: **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para 10.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Block 4:**

**Applicability: The content of this CDRL is CLIN 0203.**

**10. Preparation Instructions.**

**Content is modified as follows:**

**10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.**

**10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to the task level including Program Events (PE), Significant Accomplishments (SA), Accomplishment Criteria (AC) and tasks.**

**10.2.6 Integrated Program Network.**

**10.2.6 g. Critical Path The critical path shall be calculated by computer-based software which—by the time of the exercise of the option for Option to Produce NMD System—shall have evolved from an “intuitive-” or “heuristic-based critical path” to an analytically-based critical path.**

**(Continued)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC                      H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC                      J. DATE: 4 Dec 00



**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **E003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**

**Block 4 (Cont.):**

**10.2.6 g. Critical Path (Cont.)**

The analytically-based critical path shall be accompanied by Tier 1 and Tier 2 PowerPoint schedules. The Tier 1 and Tier 2 schedules will include a separate table identifying all the activities / events shown on these schedules and will include, at a minimum, the Prime Contract IMS reference number (PE, SA, AC, or task, as appropriate,) name, and baseline date. Tier 1 and Tier 2 schedules and the backup tables will be used in conjunction with the monthly Cost Performance Report (CPR, CDRL E002) submissions to monitor, assess, and display program progress.

**10.3 Change "Master Integrated Program Schedule" to read "Integrated Master Schedule (IMS)."**

**Block 12: Due 60 days after contract award.**

**Block 13: Submit MONTHLY. Submittals shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.**

**(End of C003)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0104** B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO: **E012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 10.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Block 4: Provide electronic copies of any unclassified documents listed on the Prime Contract Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.**

**10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data that have been generated by the Contractor as a result of the work effort called for by this contract.**

**10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.**

**10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:**

**"UR" = Unlimited Rights**

**"LR" = Limited Rights**

**"GPLR" = Government Purpose License Rights**

**Block 12: Due 60 Days after Contract Award.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: NMD LSI  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**              F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E013**
2. TITLE OF DATA ITEM: **Engineering Change Proposals**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 10.1.2**
6. REQUIRING OFFICE: **BMDO/JN**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of ANSI/EIA-649 National Consensus Standard for Configuration Management, dated February 1, 1999.**

**10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using ANSI/EIA-649 as a guide.**

**Block 16: The contractor shall prepare, process and control Advanced Change Study Notice (ACSN) in accordance with approved internal Configuration Management process. ACSNs shall be prepared and submitted on the attached form. The normal 45-day CDRL contractual period does not apply to this CDRL. The time period for this CDRL will be agreed upon by the Government and Contractor for ECPs and ACSNs.**

G. PREPARED BY: **LT COL MUN KWON**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC**              J. DATE: **4 Dec 00**

<b>Advance Change/Study Notice (ACSN)</b>		<b>1. Date:</b> /     / (YYYY/MM/DD)	<b>JPO FORM 2616</b>
2. Procuring Activity Number: HQ0006		3. DODAAC: HQ0006	
4. ACSN TITLE:			
<b>5. Originator</b> <b>a. Name:</b> <i>(First, Middle Initial, Last)</i>		<b>b. Address:</b> <i>(Street, City, State, Zip Code)</i>	6. ACSN Number:
<b>7. OPR</b> <b>a. Name:</b> <i>(First, Middle Initial, Last)</i>		<b>b. Directorate:</b>	<b>c. Address:</b> <i>(Street, City, State, Zip Code)</i>
1. Item Affected:			
9. Need For Change:			
10. Description of Change/Study:			For Additional Space Use
11. Alternatives to Suggested Change/Study:			For Additional Space Use Block
12. Budgetary Cost Estimates:			For Additional Space Use Block
13. Program Office:			
<b>a. Name:</b> <i>(First, Middle Initial, Last)</i>		<b>b. Signature</b>	<b>c. Date Signed</b> / / (YYYY/MM/DD)
14. Contracting Office:			
<b>a. Name:</b> <i>(First, Middle Initial, Last)</i>		<b>b. Signature</b>	<b>d. Date Signed</b> / / (YYYY/MM/DD)
15. Contractor:			
<b>a. Name:</b> <i>(First, Middle Initial, Last)</i>		<b>b. Signature</b>	<b>e. Date Signed</b> / / (YYYY/MM/DD)

DDForm 2616, Aug 96 (EG)

9A. (Supplemental) Need For Change:

10A. (Supplemental) Description of Change/Study:

11A. (Supplemental) Alternatives to Suggested Change/Study:

DDForm 2616, Aug 96 (EG) (Supplemental)

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E024**  
2. TITLE OF DATA ITEM: **Request for Deviation**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**  
5. CONTRACT REFERENCE: **SOW para. 10.2.0**  
6. REQUIRING OFFICE: **BMDO/JNI-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E025**  
2. TITLE OF DATA ITEM: **Request for Waivers**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**  
5. CONTRACT REFERENCE: **SOW para. 10.2.0**  
6. REQUIRING OFFICE: **BMDO/JNI-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0204**                      B. EXHIBIT: **E**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E065**
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921 & 1921-1)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 & 1921-1 NMD CCDR**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-81565**
5. CONTRACT REFERENCE: **SOW para. 10.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **Annually**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

**Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC x12EDI 196 Transaction Set).**

**Reports shall include all contract cost (prime and subcontractor) in accordance with the attached Cost Breakdown Structure (CBS), modified CCDR-DD 1921 and CCDR-DD 1921-1. The Contractor will report to level 3 only even though lower levels are indicated on the attached CCDR-DD 1921 and CCDR-DD 1921-1. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government cost Breakdown Structure, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (Blocks F and J). Complete Block G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify and specific CWBS breakouts that do not require reporting.**

**Blocks 12 & 13: 3-15-01, Annually.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 DEC 00**



HQ0006-01-C-0001  
Exhibit E

National Missile Defense LSI		Program Contract #		Work Breakdown Structure Program Contract					
Business Processes #		Program Issues		Budget Summary					
MIS Element	FCM/FAE	Units	Cost (\$M)	Date	Cost (\$M)	CEDR Form #	DD Form 1921.1	DD Form 1921.2	DD Form 1921.3
0.0	BIDDING LSI CONTRACT								
1.0	ARMY PROGRAM MANAGEMENT								
2.0	ARMY SYSTEM ENGINEERING AND INTEGRATION (SE&I)								
2.1	ARMY SE&I MANAGEMENT								
2.1.1	SYSTEM ANALYSIS								
2.1.2	SYSTEM DESIGN AND DEVELOPMENT								
2.1.3	SYSTEM VERIFICATION AND VALIDATION								
2.1.4	REGULATION MANAGEMENT								
2.1.5	LEDS Hardware								
2.1.6	SESA Hardware								
2.1.7	TEES Hardware								
2.1.8	REGULATOR SUPPORT								
2.1.9	TEEC Support								
2.1.10	FCIL Support								
2.1.11	LEDS Support								
2.1.12	SESA Support								
2.1.13	TEES Support								
2.1.14	Other Support								
2.1.15	Facility Integration Support								
2.1.16	TEEC Facility Support								
2.1.17	FCIL Facility Support								
2.1.18	LEDS Facility Support								
2.1.19	SESA Facility Support								
2.1.20	TEES Facility Support								
2.1.21	Other Facility Support								
2.2	RISK MANAGEMENT								
2.3	SPECIALTY ENGINEERING								
2.4	ENGINEERING INFORMATION MANAGEMENT								
2.5	SYSTEM INTEGRATION								
2.6	LIFE CYCLE COST (LCC)								
2.7	BNCS INTEGRATION								
2.8	SENSOR INTEGRATION								
2.9	WEAPON SYSTEM								
2.10	WEAPON PROGRAM MANAGEMENT								
2.11	WEAPON SYSTEM ENGINEERING AND INTEGRATION (SE&I)								
2.12	INTERCEPTOR								
2.13	Ball Vehicle (BV)								
2.14	KV ENGINEERING								
2.15	KV Engineering (Cross)								
2.16	Software Simulations in Argentina								
2.17	Simulations (CIMA)								
2.18	SE								
2.19	High Fidelity Emulator								

National Missile Defense LSI		Initial Submission		Work Breakdown Structure				
		Change	Contract #	Program		Contract		
Review & Reference #		Prepared by		Location:				
WBS Element	Program Totals		Report Frequency					
	FDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
National Missile Defense System								
3.3.1.2	Seeker				\$	-		
3.3.1.2.1	Optical Telescope				\$	\$		
3.3.1.2.2	Seeker/Sensor Electronics				\$	\$		
3.3.1.2.4	Cryogenics				\$	\$		
3.3.1.2.6	FFA-Visible				\$	\$		
3.3.1.2.6	FFA-LWIR				\$	\$		
3.3.1.2.7	Seeker (Other)				\$	\$		
3.3.1.2.8	Seeker Integration & Test				\$	\$		
3.3.1.3	DACS				\$	\$		
3.3.1.4	Avionics				\$	-		
3.3.1.3.1	Avionics Mgmt & Spt				\$	-		
3.3.1.3.2	Laser Integration System (LIS)				\$	\$		
3.3.1.3.3	GPS				\$	\$		
3.3.1.3.4	IMU				\$	\$		
3.3.1.3.5	Telemetry				\$	\$		
3.3.1.3.6	Power Supply (Battery/1553)				\$	\$		
3.3.1.3.7	EU				\$	\$		
3.3.1.3.8	ECU				\$	\$		
3.3.1.3.9	Harness				\$	\$		
3.3.1.5	KV Structure (incl Adapter)				\$	\$		
3.3.1.6	KV Communications/Comsec				\$	-		
3.3.1.7	KV Integration & Checkout				\$	-		
3.3.1.8	KV/PLV Integration				\$	-		
3.3.1.9	PLV Flight Test				\$	-		
3.3.1.10	KV (Other)				\$	-		
3.3.2	Booster Vehicle				\$	\$		
3.3.2.1	Shroud				\$	\$		
3.3.2.2	Booster Vehicle (other)				\$	\$		
3.3.3	Canister				\$	\$		
3.3.4	Interceptor IAT&C				\$	\$		
3.4	WEAPON SYSTEM SUPPORT				\$	-		
3.4.1	System Facilities				\$	-		
3.4.1.1	Prefab Silo				\$	\$		
3.4.1.2	Silo Interface Vault				\$	\$		
3.4.1.3	Silo Closure Mech				\$	\$		
3.4.1.4	Silo (other)				\$	\$		
3.4.2	Command and Launch Equipment (CLE)				\$	\$		
3.4.3	Support Equipment				\$	-		
3.4.4	Training Equipment				\$	-		
3.4.5	WSS IAT&C				\$	-		
3.5	WEAPON TEST AND EVALUATION				\$	-		
3.6	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (D&S)				\$	-		
4.0	UPGRADED EARLY WARNING RADARS (UEWR)				\$	-		
4.1	UEWR MANAGEMENT				\$	-		
4.2	UEWR ANALYSIS AND INTEGRATION (A&I)				\$	-		
4.3	PAVE PAWS UPGRADES				\$	-		
4.3.1	Pave Paws Avionics				\$	-		

HQ0006-01-C-0001  
Exhibit E

National Missile Defense (NMD) Research & Development 3		Final Supervisor Change Contract #		Work Breakdown Structure Program Contract	
PROJECT NAME		PROJECT CODE		PROJECT NUMBER	
UNITS	DATE (MM)	UNITS	COST (\$M)	DD FORM 128-1	DD FORM 128-2
RETIME		PROCESSMENT		C.C.P.R. Form #s	
Response Missile Defense System					
Address Equipment (TR Modules)					
4.3.1.0					
4.3.1.2					
4.3.1.3					
4.3.1.4					
4.4					
4.4.1					
4.4.1.1					
4.4.1.2					
4.4.1.3					
4.4.1.4					
4.5					
4.6					
5.0					
X-BAND RADAR (XBR)					
5.1					
5.2					
5.3					
5.3.1					
5.3.1.1					
5.3.1.2					
5.3.1.3					
5.3.1.4					
5.3.1.5					
5.3.1.6					
5.3.1.7					
5.3.1.8					
5.3.1.9					
5.3.1.10					
5.3.1.11					
5.3.1.12					
5.3.1.13					
5.3.1.14					
5.3.1.15					
5.3.1.16					
5.3.1.17					
5.3.1.18					
5.3.1.19					
5.3.1.20					
5.3.1.21					
5.3.1.22					
5.3.1.23					
5.3.1.24					
5.3.1.25					
5.3.1.26					
5.3.1.27					
5.3.1.28					
5.3.1.29					
5.3.1.30					
5.3.1.31					
5.3.1.32					
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5.3.1.41					
5.3.1.42					
5.3.1.43					
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5.3.1.45					
5.3.1.46					
5.3.1.47					
5.3.1.48					
5.3.1.49					
5.3.1.50					
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5.3.1.67					
5.3.1.68					
5.3.1.69					
5.3.1.70					
5.3.1.71					
5.3.1.72					
5.3.1.73					
5.3.1.74					
5.3.1.75					
5.3.1.76					
5.3.1.77					
5.3.1.78					
5.3.1.79					
5.3.1.80					
5.3.1.81					

MBS Element	National Missile Defense LSI Review & Reference If	Initial Submission Change Contract #		Work Breakdown Structure Program Contract					
		Prepared by:		Location:					
		Program Totals		Report Frequency					
		RDT&E		Procurement		CODR Form #s			
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
<b>National Missile Defense System</b>									
5.3.2.2	REX/TTG					\$	-		
5.3.2.3	BSG					\$	-		
5.3.2.4	Signal Data Processor Equipment (SDPE)					\$	-		
5.3.2.5	Antenna Mount					\$	-		
5.3.2.6	Display & Control Equipment					\$	-		
5.3.2.7	Other					\$	-		
5.4	XBR TEST & EVALUATION (T&E)					\$	-		
5.5	XBR DEPLOYMENT & SUSTAINMENT (D&S)					\$	-		
5.6	GBR-P					\$	-		
5.6.1	Software Upgrades					\$	-		
5.6.2	Hardware Upgrades					\$	\$		
5.6.3	GBR-P Operations & Maintenance					\$	-		
5.15	XBR MR/UB/Fee					\$	-		
6.0	<b>BATTLE MGMT, COMMAND, CONTROL &amp; COMM (BMC3)</b>					\$	-		
6.1	BMC3 MANAGEMENT					\$	-		
6.2	BMC3 SUBCONTRACT MGMT & INTEGRATION					\$	-		
6.3	BMC2 DEVELOPMENT					\$	-		
6.3.1	BMC2 Hardware					\$	\$		
6.3.2	BMC2 Software					\$	-		
6.3.2.1	COTS Software Acquisition					\$	-		
6.3.2.2	Developed Software					\$	-		
6.3.2.2.1	Initial Capability					\$	-		
6.3.2.2.2	Block 1					\$	-		
6.3.2.2.3	Block 2					\$	-		
6.3.2.3	BMC2 Product IA&T					\$	-		
6.4	BMC3 TEST EXERCISER (TEX)					\$	\$		
6.5	COMMUNICATIONS NETWORK					\$	-		
6.5.1	Hardware					\$	-		
6.5.1.1	COTS Hardware Acquisition					\$	\$		
6.5.1.2	Developed Hardware					\$	\$		
6.5.2	Software					\$	-		
6.5.2.1	COTS Software Acquisition					\$	-		
6.5.2.2	Developed Software					\$	-		
6.5.2.2.1	Initial Capability					\$	-		
6.5.2.2.2	Block 1					\$	-		
6.5.2.2.3	Block 2					\$	-		
6.5.2.3	Communications IA&T					\$	-		
6.6	IN-FLIGHT INTERCEPTOR COMMUNICATIONS SYSTEM (IFICS)					\$	-		
6.6.1	Hardware					\$	-		
6.6.2.1	COTS Hardware Acquisition					\$	\$		
6.6.2.2	Developed Hardware					\$	\$		
6.6.2	Software					\$	-		
6.6.2.1	COTS Software Acquisition					\$	-		
6.6.2.2	Developed Software					\$	-		
6.6.2.2.1	Initial Capability					\$	-		
6.6.2.2.2	Block 1					\$	-		
6.6.2.2.3	Block 2					\$	-		

MIS Statement	National Missile Defense USI Version & Reference #	Initial Submission Change Control #		Work Breakdown Structure Program Contact							
		Proposed by:		Location:							
		Program Title				Person Frequency					
		RD&E		Procurement		GCRN Form #s					
Units	Cost (\$M)	Units	Cost (\$M)	OD Form 1921	OD Form 1921-1	OD Form 1921-2	OD Form 1921-3				
National Missile Defense System											
6.7.	EXTERNAL SYSTEMS INTERFACE (ESI)					05					
6.8.	BMC2 TEST AND EVALUATION					05					
6.9.	BMC2 DEPLOYMENT AND SUSTAINMENT					05					
7.0.	NMD TEST AND EVALUATION (T&E)					05					
7.1.	TEST AND EVALUATION (T&E) MANAGEMENT					05					
7.2.	T&E ANALYSIS AND INTEGRATION					05					
7.2.1.	Integrated Flight Test (IFT)					05					
7.2.2.	Integrated Ground Tests (IGTs)					05					
7.2.3.	Integrated Element Tests (IETs)					05					
7.2.4.	Specialty Test					05					
7.3.	TEST PLANNING					05					
7.3.1.	Integrated Flight Test (IFT)					05					
7.3.2.	Integrated Ground Tests (IGTs)					05					
7.3.3.	Integrated Element Tests (IETs)					05					
7.3.4.	Specialty Test					05					
7.4.	TEST RESOURCES					05					
7.4.1.	PCIL					05					
7.4.1.1.	PCIL MANAGEMENT					05					
7.4.1.2.	PCIL HARDWARE					05					
7.4.1.2.1.	PCIL COTS HARDWARE					05					
7.4.1.2.2.	PCIL DEVELOPED HARDWARE					05					
7.4.1.3.	PCIL SOFTWARE					05					
7.4.1.3.1.	PCIL COTS SOFTWARE					05					
7.4.1.3.2.	PCIL DEVELOPED SOFTWARE					05					
7.4.1.4.	PCIL INTEGRATION					05					
7.4.1.5.	PCIL OPERATIONS AND MAINTENANCE					05					
7.4.2.	Test Resources (Other)					05					
7.5.	TEST EXECUTION					05					
7.5.1.	Integrated Flight Test (IFT)					05					
7.5.2.	Integrated Ground Tests (IGTs)					05					
7.5.3.	Integrated Element Tests (IETs)					05					
7.5.4.	Specialty Test					05					
7.5.5.	Site Installation and Test (SIAT)					05					
7.6.	ANALYSIS AND EVALUATION					05					
7.6.1.	Integrated Flight Test (IFT)					05					
7.6.2.	Integrated Ground Tests (IGTs)					05					
7.6.3.	Integrated Element Tests (IETs)					05					
7.6.4.	Specialty Test					05					
7.7.	ISIC					05					
7.7.1.	ISIC MANAGEMENT					05					
7.7.2.	ISIC HARDWARE					05					
7.7.2.1.	ISIC COTS HARDWARE					05					
7.7.2.2.	ISIC DEVELOPED HARDWARE					05					
7.7.3.	ISIC SOFTWARE					05					
7.7.3.1.	ISIC COTS SOFTWARE					05					
7.7.3.2.	ISIC DEVELOPED SOFTWARE					05					
7.7.4.	ISIC INTEGRATION					05					

		Initial Submission Change Contract #		Work Breakdown Structure Program Contract					
National Missile Defense L&I Review & Reference #		Prepared by		Location					
WBS Element		Program Tasks		Report Frequency					
		Procurement		CCRF Form #s					
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1321	DD Form 1321-1	DD Form 1321-2	DD Form 1321-3
National Missile Defense System									
7.7.5	ISFC OPERATIONS AND MAINTENANCE					50	.		
7.8	HARDWARE IN THE LOOP					50	.		
7.4.1	PCIL MANAGEMENT					50	.		
7.4.2	PCIL HARDWARE					50	.		
7.4.2.1	PCIL COTS HARDWARE					50	.		
7.4.2.2	PCIL DEVELOPED HARDWARE					50	.	50	
7.4.3	PCIL SOFTWARE					50	.		
7.4.3.1	PCIL COTS SOFTWARE					50	.		
7.4.3.2	PCIL DEVELOPED SOFTWARE					50	.	50	
7.4.4	PCIL INTEGRATION					50	.		
7.4.5	PCIL OPERATIONS AND MAINTENANCE					50	.		
8.0	DEPLOYMENT AND SUSTAINMENT (D&S)					50	.		
8.1	D&S MANAGEMENT					50	.		
8.2	D&S ANALYSIS AND INTEGRATION (AAI)					50	.		
8.3	DEPLOYMENT READINESS					50	.		
8.4	SITE ACTIVATION AND FACILITIES, SITING AND ENVIRONMENTAL					50	.		
8.5	SUSTAINMENT AND LOGISTICS SUPPORT					50	.		
8.6	SYSTEM COMMON					50	.		
9.0	Special Studies					50	.		
10.0	TEST TRAINING AND EXERCISE CAPABILITY					50	.		
10.1	TTEC MANAGEMENT					50	.		
10.2	ENGINEERING'S ANALYSIS AND INTEGRATION (AAI)					50	.		
10.3	TTEC DEVELOPMENT					50	.		
10.3.1	TTEC SOFTWARE					50	.		
	Initial Capability					50	.		
	Block 1					50	.		
	Block 2					50	.		
10.3.2	TTEC HARDWARE					50	.		
	Initial Capability					50	.		
	Block 1					50	.		
	Block 2					50	.		
10.4	TTEC T&E					50	.		
10.5	TTEC SUSTAINMENT AND LOGISTICS SUPPORT					50	.		
10.6	TTEC TRAINING					50	.		

**EXHIBIT F**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRL FOR SUSTAINMENT CLIN 0301**

The following Exhibit F CDRL Sequence Numbers have been deleted:  
F004 through F011, F014 through F023, F026 through F064, F066, F067 and  
F068.

**15 December 2000**

Block 14, Distribution*								
<i>CDRL SEQ No.</i>	F001	F002	F003	F012	F013	F024	F025	F065
<i>Short Title</i>	CFSR	CPR	NMD IMS	DAL/ID	ECP	RFD	RFW	CCDR
ACO	1	1	1	1	1			1
BMDO/CTN	1	1	1	1	1	1	1	1
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/JND	4	4	4	4	4	4	4	4
BMDO/JNG	1	1	1	1	1	1	1	1
BMDO/JNU	1	1	1	1	1	1	1	1
BMDO/JNX	1	1	1	1	1	1	1	1
BMDO/RME	1	1	1	1	1	1	1	1
BMDO/RMC					1	1	1	1
HQSPACECOM/JSB	1	1	1	1	1	1	1	1
ESC/NDCP (PAFB)	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1
TIC					1	1	1	
Block 15,Total	18	18	18	18	20	19	19	19
Block 6, Requiring Office	JNC	JNC	JNC	JNC	JN	JNI-E	JNI-E	JNC

<i>CDRL SEQ No.</i>	F069							
<i>Short Title</i>	SUST							
ACO	1							
BMDO/CTN	1							
BMDO/JNC	4							
BMDO/JND	4							
BMDO/JNG	1							
BMDO/JNU	1							
BMDO/JNX	1							
BMDO/RME	1							
BMDO/RMC	1							
HQSPACECOM/JSB	1							
ESC/NDCP (PAFB)	1							
Navy Code 865	1							
SAF/AQSI	1							
TIC								
Block 15,Total	19							
Block 6, Requiring Office	JND							

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

**Table F-1, CDRL Distribution Matrix**



**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**              F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 9.8.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD 250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **NA**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

**Content: Submit this report for CLIN 0301.**

**Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 45 calendar days after the end of the contractor's accounting quarter.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**              H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**              J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

**Block 4:**

**Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read “Earned Value Management Systems (EVMS) Criteria”**

**DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:**

**7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table F-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the NMD JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also**

**(Continued)**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **F002**  
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**  
3. SUBTITLE:

**Block 4 (Cont.):**

**include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.**

**7.6.2 Report using Formats 1 through 5.**

**10. PREPARATION INSTRUCTIONS**

**Content: Submit this report for CLIN 0301.**

**10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award.**

**10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.**

**10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the combined amount in block 5b, Negotiated Cost and 5c, Estimated Cost Authorized Unpriced Work. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.**

**10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For Column 14 enter the balance of the Contract.**

**10.2.5.1 (Format 4): report staffing in hours and person months.**

**10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and “get well” information and variance at completion.**

**10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.**

**Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor’s accounting month.**

**(End of F002)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para 9.8.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

**Block 4:**

**Applicability: The content of this CDRL is for CLIN 0301.**

**10. Preparation Instructions.**

**Content is modified as follows:**

**10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.**

**10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to the task level including Program Events (PE), Significant Accomplishments (SA), Accomplishment Criteria (AC) and tasks.**

**10.2.6 Integrated Program Network.**

**10.2.6 g. Critical Path. The critical path shall be calculated by computer-based software which—by the time of the exercise of the option for Core Development for C1 Expanded—shall have evolved from an “intuitive-” or “heuristic-based critical path” to an analytically-based critical path.**

**(Continued)**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC      H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC      J. DATE: 4 Dec 00

**CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **F003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**

**Block 4 (Cont.):**

**10.2.6 g. Critical Path (Cont.)**

The analytically-based critical path shall be accompanied by Tier 1 and Tier 2 PowerPoint schedules. The Tier 1 and Tier 2 schedules will include a separate table identifying all the activities / events shown on these schedules and will include, at a minimum, the Prime Contract IMS reference number (PE, SA, AC, or task, as appropriate,) name, and baseline date. Tier 1 and Tier 2 schedules and the backup tables will be used in conjunction with the monthly Cost Performance Report (CPR, CDRL D002) submissions to monitor, assess, and display program progress.

**10.3 Change "Master Integrated Program Schedule" to read "Integrated Master Schedule (IMS)."**

**Block 12: Due 60 days after contract award.**

**Block 13: Submit MONTHLY. Submittals shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.  
(End of F003)**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**              F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

**Block 4: Provide electronic copies of any unclassified documents listed on the Prime Contract Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.**

**10. Preparation Instructions.** The Contractor shall provide an accession list identifying contractor internal data which have been generated by the Contractor as a result of the work effort called for by this contract.

**10.3 Content.** Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List. This CDRL covers the complete current Sustainment program

**10.3.2 General.** The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:

**"UR" = Unlimited Rights**

**"LR" = Limited Rights**

**"GPLR" = Government Purpose License Rights**

**Block 12: Due 60 Days after Contract Award.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC              H. DATE: 1 Dec 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC              J. DATE: 4 Dec 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: NMD LSI  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F013**  
2. TITLE OF DATA ITEM: **Engineering Change Proposals**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**  
5. CONTRACT REFERENCE: **SOW para. 4.2.7**  
6. REQUIRING OFFICE: **BMDO/JN**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ONE/R**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of ANSI/EIA-649 National Consensus Standard for Configuration Management, dated February 1, 1999.**

**10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using ANSI/EIA-649 as a guide.**

**Block 16: The contractor shall prepare, process and control Advanced Change Study Notice (ACSN) in accordance with approved internal Configuration Management process. ACSNs shall be prepared and submitted on the attached form. The normal 45-day CDRL contractual period does not apply to this CDRL. The time period for this CDRL will be agreed upon by the Government and Contractor for ECPs and ACSNs.**

G. PREPARED BY: **LT COL MUN KWON**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC**      J. DATE: **4 Dec 00**

<b>Advance Change/Study Notice (ACSN)</b>		<b>1. Date:</b> /   / (YYYY/MM/DD)	<b>JPO FORM 2616</b>
2. Procuring Activity Number: HQ0006		3. DODAAC: HQ0006	
4. ACSN TITLE:			
<b>5. Originator</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Address:</b> (Street, City, State, Zip Code)	
		6. ACSN Number:	
<b>7. OPR</b> <b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Directorate:</b>	<b>c. Address:</b> (Street, City, State, Zip Code)
1. Item Affected:			
9. Need For Change:			
10. Description of Change/Study:			For Additional Space Use
11. Alternatives to Suggested Change/Study:			For Additional Space Use Block
12. Budgetary Cost Estimates:			For Additional Space Use Block
13. Program Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>c. Date Signed</b> / / (YYYY/MM/DD)
14. Contracting Office:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>d. Date Signed</b> / / (YYYY/MM/DD)
15. Contractor:			
<b>a. Name:</b> (First, Middle Initial, Last)		<b>b. Signature</b>	<b>e. Date Signed</b> / / (YYYY/MM/DD)



DDForm 2616, Aug 96 (EG)

9A. (Supplemental) Need For Change:

10A. (Supplemental) Description of Change/Study:

11A. (Supplemental) Alternatives to Suggested Change/Study:

DDForm 2616, Aug 96 (EG) (Supplemental)

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F024**  
2. TITLE OF DATA ITEM: **Request for Deviation**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**  
5. CONTRACT REFERENCE: **SOW para. 9.8.2**  
6. REQUIRING OFFICE: **BMDO/JN1-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F025**  
2. TITLE OF DATA ITEM: **Request for Waivers**  
3. SUBTITLE:  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**  
5. CONTRACT REFERENCE: **SOW para. 9.8.2**  
6. REQUIRING OFFICE: **BMDO/JNI-E**  
7. DD250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ASREQ**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **ASREQ**  
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**  
16. REMARKS:

**Block 4:**

**7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of ANSI/EIA-649, National Consensus Standard for Configuration Management, dated February 1, 1999.**

**7.2 Delete this paragraph in its entirety.**

**10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use ANSI/EIA-649 as a guide.**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 Dec 00**

**CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0304**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD PRIME CONTRACT**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **F065**  
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921 & 1921-1)**  
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 & 1921-1 NMD CCCR**  
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-81565**  
5. CONTRACT REFERENCE: **SOW para. 9.8.2**  
6. REQUIRING OFFICE: **BMDO/JNC**  
7. DD250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **Annually**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**  
16. REMARKS:

**Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC x12EDI 196 Transaction Set).**

**Reports shall include all contract cost (prime and subcontractor) in accordance with the attached Cost Breakdown Structure (CBS), modified CCCR-DD 1921 and CCCR-DD 1921-1. The Contractor will report to level 3 only even though lower levels are indicated on the attached CCCR-DD 1921 and CCCR-DD 1921-1. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government cost Breakdown Structure, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (Blocks F and J). Complete Block G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify and specific CWBS breakouts that do not require reporting.**

**Blocks 12 & 13: 3-15-01, Annually.**

- G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**      H. DATE: **1 DEC 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**      J. DATE: **4 DEC 00**

Major Subelement		Work Breakdown Structure	
Program Contract #		Program Contract	
Project Name		Contract	
Project Title		Project Element	
FOUO		FOUO	
Units	Cost (\$M)	Units	Cost (\$M)
DD Form 1381		DD Form 1381.2	
DD Form 1381.3		DD Form 1381.4	
DD Form 1381.5		DD Form 1381.6	
DD Form 1381.7		DD Form 1381.8	
Boeing LSI Contract			
NMD Program Management			
NMD System Engineering and Integration (SE&I)			
2.1	NMD SE&I Management		
2.2	System Analysis		
2.3	System Design and Development		
2.4	System Verification and Validation		
2.5	Simulation Hardware		
2.6	LEDS Hardware		
2.7	LEDS Hardware		
2.8	TESS Hardware		
2.9	Simulation Support		
2.10	TIBC Support		
2.11	PCB Support		
2.12	LEDS Support		
2.13	SSSB Support		
2.14	TESS Support		
2.15	Other Support		
2.16	Facility Integration Support		
2.17	TIBC Facility Support		
2.18	PCB Facility Support		
2.19	LEDS Facility Support		
2.20	SSSB Facility Support		
2.21	TESS Facility Support		
2.22	Other Facility Support		
2.23	Risk Management		
2.24	Specialty Engineering		
2.25	Engineering Information Management		
2.26	System Integration		
2.27	Life Cycle Cost (LCC)		
2.28	HW3 Integration		
2.29	Sensor Integration		
2.30	Weapon System		
2.31	Weapon Program Management		
2.32	Weapon System Engineering and Integration (SE&I)		
2.33	Interceptor		
2.34	Kill Vehicle (KV)		
2.35	KV Engineering		
2.36	KV Engineering (Contract)		
2.37	Software Simulation & Algorithms		
2.38	Simulation (Contract)		
2.39	SIL		
2.40	High Fidelity Emulator		

		National Missile Defense LSI		Initial Submission Change Contract #		Work Breakdown Structure Program Contract				
		Review & Reference #		Prepared by:		Location:				
				Program Totals		Report Frequency				
WBS Element				Procurement:		CCDR Form #s				
	RDT&E				Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
National Missile Defense System										
3.3.1.2	Seeker						\$	-		
3.3.1.2.1	Optical Telescope						\$	\$		
3.3.1.2.2	Seeker/Sensor Electronics						\$	\$		
3.3.1.2.4	Cryogenics						\$	\$		
3.3.1.2.5	FPA-Visible						\$	\$		
3.3.1.2.6	FPA-LWIR						\$	\$		
3.3.1.2.7	Seeker (Other)						\$	\$		
3.3.1.2.8	Seeker Integration & Test						\$	\$		
3.3.1.3	DACS						\$	\$		
3.3.1.4	Avionics						\$	-		
3.3.1.3.1	Avionics Mgmt & Spt						\$	-		
3.3.1.3.2	Laser Integration System (LIS)						\$	\$		
3.3.1.3.3	GPS						\$	\$		
3.3.1.3.4	IMU						\$	\$		
3.3.1.3.5	Telemetry						\$	\$		
3.3.1.3.6	Power Supply (Battery/1553)						\$	\$		
3.3.1.3.7	ELU						\$	\$		
3.3.1.3.8	ECU						\$	\$		
3.3.1.3.9	Harness						\$	\$		
3.3.1.5	KV Structure (incl Adapter)						\$	\$		
3.3.1.6	KV Communications/Comsec						\$	-		
3.3.1.7	KV Integration & Checkout						\$	-		
3.3.1.8	KV/PLV Integration						\$	-		
3.3.1.9	PLV Flight Test						\$	-		
3.3.1.10	KV (Other)						\$	-		
3.3.2	Booster Vehicle						\$	\$		
3.3.2.1	Shroud						\$	\$		
3.3.2.2	Booster Vehicle (other)						\$	-		
3.3.3	Canister						\$	\$		
3.3.4	Interceptor IAT&C						\$	\$		
3.4	WEAPON SYSTEM SUPPORT						\$	-		
3.4.1	System Facilities						\$	-		
3.4.1.1	Prefab Silo						\$	\$		
3.4.1.2	Silo Interface Vault						\$	\$		
3.4.1.3	Silo Closure Mech						\$	\$		
3.4.1.4	Silo (other)						\$	\$		
3.4.2	Command and Launch Equipment (CLE)						\$	\$		
3.4.3	Support Equipment						\$	-		
3.4.4	Training Equipment						\$	-		
3.4.5	WSS IAT&C						\$	-		
3.5	WEAPON TEST AND EVALUATION						\$	-		
3.6	WEAPON SYSTEM DEPLOYMENT AND SUSTAINMENT (D&S)						\$	-		
4.0	UPGRADED EARLY WARNING RADARS (UEWR)						\$	-		
4.1	UEWR MANAGEMENT						\$	-		
4.2	UEWR ANALYSIS AND INTEGRATION (A&I)						\$	-		
4.3	PAVE PAWS UPGRADES						\$	-		
4.3.1	Pave Paws Avionics						\$	-		

HQ0006-01-C-0001  
Exhibit F

National Missile Defense (NMD) Phase 3 Initiatives #		Prime Contractor Change Contract #		Work Breakdown Structure Program Contract	
Phase 3 Initiatives #		Program Task #		Phase 3 Initiatives	
ROUTE		Program Task #		C.C.P.M. Form #	
UNITS	Cost (\$M)	UNITS	Cost (\$M)	DD Form 1323-1	DD Form 1323-2
UNITS	Cost (\$M)	UNITS	Cost (\$M)	DD Form 1323-1	DD Form 1323-2
National Missile Defense System					
4.3.2.1	Antenna Equipment (TR Modules)				
4.3.2.2	REACTO				
4.3.2.3	9553				
4.3.2.4	Signal Processor				
4.4	BINETS UPGRADES				
4.4.1	GENESIS Antennas				
4.4.1.1	Antenna Equipment (TR Modules)				
4.4.1.2	REACTO				
4.4.1.3	9553				
4.4.1.4	Signal Processor				
4.4.1.5	UWDR TEST AND EVALUATION (TAE)				
4.5	UWDR DEPLOYMENT AND SUSTAINMENT (DAS)				
4.6					
5.0	X-BAND RADAR (XBR)				
5.1	XBR MANAGEMENT				
5.2	XBR ANALYSIS AND INTERACTION				
5.3	XBR DESIGN AND DEVELOPMENT				
5.3.1	XBR Design and Development				
5.3.1.1	Antenna Equipment				
5.3.1.1.1	ACDC Controller				
5.3.1.1.2	Transmit/Receive Integrated Microcircuit Module (TRIMM)				
5.3.1.1.3	TR Modules (R01)				
5.3.1.1.3.1	TRIMM (Other)				
5.3.1.1.3.2	Logic Distributor Assembly (LDA)				
5.3.1.1.3.3	Super Element Assembly (MonteCarlo)				
5.3.1.1.3.4	Diagnostic Horns				
5.3.1.1.3.5	IEEE 1394 Power Logic				
5.3.1.1.3.6	Antenna Power System				
5.3.1.1.3.7	Receive Beam Forming Network (RBFN)				
5.3.1.1.3.8	Transmit Beam Forming Network (TRFN)				
5.3.1.1.3.9	Wave Ene Monitor				
5.3.1.1.3.10	Subarray Electronics Assembly (SEA)				
5.3.1.1.3.11	Subarray Module Logic Assembly (SAML)				
5.3.1.1.3.12	Antenna Mechanics				
5.3.1.1.3.13	Antenna Equipment (Other)				
5.3.1.1.3.14	Integration, Assembly and Test (IAT)				
5.3.1.1.3.15	REACTO				
5.3.1.2	Beam Steering Controller (BSC)				
5.3.1.3	Signal Data Processor Equipment (SDPE)				
5.3.1.4	Antenna Mount				
5.3.1.5	Digital Platform & Control System (DPCS)				
5.3.1.5.1	Special Measurement Unit (SMU)				
5.3.1.5.2	Radiation & Spurious Equipment				
5.3.1.5.3	Diagnosis & Support Hardware				
5.3.1.5.4	Other				
5.3.1.5.5	Application Software Development				
5.3.1.5.6	XBR Equipment				
5.3.1.5.7	Antenna Equipment (TR Modules)				

		National Missile Defense LSI		Initial Submission Change Contract #		Work Breakdown Structure Program Contract				
		Review & Reference #		Prepared by:		Location:				
		Program Totals		Report Frequency						
WBS Element			RDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3		
National Missile Defense System										
5.3.2.2	REX/TIG					\$	-			
5.3.2.3	BSG					\$	-			
5.3.2.4	Signal Data Processor Equipment (SDPE)					\$	-			
5.3.2.5	Antenna Mount					\$	-			
5.3.2.6	Display & Control Equipment					\$	-			
5.3.2.7	Other					\$	-			
5.4	XBR TEST & EVALUATION (T&E)					\$	-			
5.5	XBR DEPLOYMENT & SUSTAINMENT (D&S)					\$	-			
5.6	GBR-P					\$	-			
5.6.1	Software Upgrades					\$	-			
5.6.2	Hardware Upgrades					\$	\$			
5.6.3	GBR-P Operations & Maintenance					\$	-			
5.15	XBR MR/UB/Fee					\$	-			
6.0	<b>BATTLE MGMT, COMMAND, CONTROL &amp; COMM (BMC3)</b>					\$	-			
6.1.	BMC3 MANAGEMENT					\$	-			
6.2.	BMC3 SUBCONTRACT MGMT & INTEGRATION					\$	-			
6.3.	BMC2 DEVELOPMENT					\$	-			
6.3.1	BMC2 Hardware					\$	\$			
6.3.2	BMC2 Software					\$	-			
6.3.2.1	COTS Software Acquisition					\$	-			
6.3.2.2	Developed Software					\$	-			
6.3.2.2.1	Initial Capability					\$	-			
6.3.2.2.2	Block 1					\$	-			
6.3.2.2.3	Block 2					\$	-			
6.3.2.3	BMC2 Product IA&T					\$	-			
6.4.	BMC3 TEST EXERCISER (TEX)					\$	\$			
6.5.	COMMUNICATIONS NETWORK					\$	-			
6.5.1	Hardware					\$	-			
6.5.1.1	COTS Hardware Acquisition					\$	\$			
6.5.1.2	Developed Hardware					\$	\$			
6.5.2	Software					\$	-			
6.5.2.1	COTS Software Acquisition					\$	-			
6.5.2.2	Developed Software					\$	-			
6.5.2.2.1	Initial Capability					\$	-			
6.5.2.2.2	Block 1					\$	-			
6.5.2.2.3	Block 2					\$	-			
6.5.2.3	Communications IA&T					\$	-			
6.6.	IN-FLIGHT INTERCEPTOR COMMUNICATIONS SYSTEM (IFICS)					\$	-			
6.6.1	Hardware					\$	-			
6.6.2.1	COTS Hardware Acquisition					\$	\$			
6.6.2.2	Developed Hardware					\$	\$			
6.6.2	Software					\$	-			
6.6.2.1	COTS Software Acquisition					\$	-			
6.6.2.2	Developed Software					\$	-			
6.6.2.2.1	Initial Capability					\$	-			
6.6.2.2.2	Block 1					\$	-			
6.6.2.2.3	Block 2					\$	-			



		Initial Submission		Work Breakdown Structure				
National Missile Defense USI		Change Contract #		Program		Contract		
Review & Reference #		Proposed By:		Location:				
WBS Element	Program Totals				Person Frequency			
	RDT&E		Procurement		CCDR Form #s			
	Units	Cost (\$M)	Units	Cost (\$M)	OD Form 1321	OD Form 1321-1	OD Form 1321-2	OD Form 1321-3
National Missile Defense System								
6.7	EXTERNAL SYSTEMS INTERFACE (ESI)					5		
6.8	EMCE TEST AND EVALUATION					5		
6.9	EMCE DEPLOYMENT AND SUSTAINMENT					5		
7.0	NMD TEST AND EVALUATION (T&E)					5		
7.1	TEST AND EVALUATION (T&E) MANAGEMENT					5		
7.2	T&E ANALYSIS AND INTEGRATION					5		
7.2.1	Integrated Flight Tests (IFT)					5		
7.2.2	Integrated Ground Tests (IGTs)					5		
7.2.3	Integrated Element Tests (IETs)					5		
7.2.4	Specialty Test					5		
7.3	TEST PLANNING					5		
7.3.1	Integrated Flight Test (IFT)					5		
7.3.2	Integrated Ground Tests (IGTs)					5		
7.3.3	Integrated Element Tests (IETs)					5		
7.3.4	Specialty Test					5		
7.4	TEST RESOURCES					5		
7.4.1	PCOL					5		
7.4.1.1	PCOL MANAGEMENT					5		
7.4.1.2	PCOL HARDWARE					5		
7.4.1.2.1	PCOL COTS HARDWARE					5		
7.4.1.2.2	PCOL DEVELOPED HARDWARE					5		
7.4.1.3	PCOL SOFTWARE					5		
7.4.1.3.1	PCOL COTS SOFTWARE					5		
7.4.1.3.2	PCOL DEVELOPED SOFTWARE					5		
7.4.1.4	PCOL INTEGRATION					5		
7.4.1.5	PCOL OPERATIONS AND MAINTENANCE					5		
7.4.2	Test Resources (Other)					5		
7.5	TEST EXECUTION					5		
7.5.1	Integrated Flight Test (IFT)					5		
7.5.2	Integrated Ground Tests (IGTs)					5		
7.5.3	Integrated Element Tests (IETs)					5		
7.5.4	Specialty Test					5		
7.5.5	Site Installation and Test (SIAT)					5		
7.6	ANALYSIS AND EVALUATION					5		
7.6.1	Integrated Flight Test (IFT)					5		
7.6.2	Integrated Ground Tests (IGTs)					5		
7.6.3	Integrated Element Tests (IETs)					5		
7.6.4	Specialty Test					5		
7.7	ISFC					5		
7.7.1	ISFC MANAGEMENT					5		
7.7.2	ISFC HARDWARE					5		
7.7.2.1	ISFC COTS HARDWARE					5		
7.7.2.2	ISFC DEVELOPED HARDWARE					5		
7.7.3	ISFC SOFTWARE					5		
7.7.3.1	ISFC COTS SOFTWARE					5		
7.7.3.2	ISFC DEVELOPED SOFTWARE					5		
7.7.4	ISFC INTEGRATION					5		

		Serial Submission		Work Breakdown Structure			
		Change Contract #		Program		Contract	
		Prepared by		Location		Report Frequency	
		Program Title					
		FDT&E		Procurement		CCRF Form #s	
		Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1321	DD Form 1321-1
						DD Form 1321-2	DD Form 1321-3
<b>National Missile Defense System</b>							
7.7.5	ISTC OPERATIONS AND MAINTENANCE					57	
7.8	HARDWARE IN THE LOOP					58	
7.4.1	PCIL MANAGEMENT					59	
7.4.2	PCIL HARDWARE					60	
7.4.2.1	PCIL COTS HARDWARE					61	
7.4.2.2	PCIL DEVELOPED HARDWARE					62	6
7.4.3	PCIL SOFTWARE					63	
7.4.3.1	PCIL COTS SOFTWARE					64	
7.4.3.2	PCIL DEVELOPED SOFTWARE					65	8
7.4.4	PCIL INTEGRATION					66	
7.4.5	PCIL OPERATIONS AND MAINTENANCE					67	
8.0	<b>DEPLOYMENT AND SUSTAINMENT (D&amp;S)</b>					68	
8.1	D&S MANAGEMENT					69	
8.2	D&S ANALYSIS AND INTEGRATION (AAI)					70	
8.3	DEPLOYMENT READINESS					71	
8.4	SITE ACTIVATION AND FACILITIES, SITING AND ENVIRONMENTAL					72	
8.5	SUSTAINMENT AND LOGISTICS SUPPORT					73	
8.6	SYSTEM COMMON					74	
9.0	<b>Special Studies</b>					75	
10.0	<b>TEST TRAINING AND EXERCISE CAPABILITY</b>					76	
10.1	TTEC MANAGEMENT					77	
10.2	ENGINEERING&S ANALYSIS AND INTEGRATION (AAI)					78	
10.3	TTEC DEVELOPMENT					79	
10.3.1	TTEC SOFTWARE					80	
	Intel Capability					81	
	Block 1					82	
	Block 2					83	
10.3.2	TTEC HARDWARE					84	
	Intel Capability					85	
	Block 1					86	
	Block 2					87	
10.4	TTEC T&E					88	
10.5	TTEC SUSTAINMENT AND LOGISTICS SUPPORT					89	
10.6	TTEC TRAINING					90	

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0302**                      B. EXHIBIT: **F**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001**      F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F069**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Annual Sustainment Review Report**
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.2**
6. REQUIRING OFFICE: **BMDO/JNS**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **Annually**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

**Block 4:**

**The report shall contain the Contractor's assessment of the effectiveness of the NMD System sustainment. The assessments shall include reliability, maintainability, availability, field team effectiveness, transportation infrastructure, spares, customer (user) satisfaction, training, life-cycle-cost, safety, and environmental compliance. The report will contain rationale and support data sufficient to enable the Government to determine the effectiveness of the preceding period of Contractor support. Recommendations for improving system effectiveness through changes in the sustainment activities will be included.**

**Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Report within 30 days after receipt of Government comments.**

**Block 12: Annual Sustainment Review (ASR) -60CD**

G. PREPARED BY: **Lt Col MUN KWON, BMDO/JNC**                      H. DATE: **1 Dec 00**  
I. APPROVED BY: **Mr. MIKE WALLACE, BMDO/RMC**                      J. DATE: **4 Dec 00**

**EXHIBIT H**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR**

**ADVANCED CAPABILITY FOR THE NMD SYSTEM (CLIN 0105)**

**15 December 2000**

Block 14, Distribution*		
<i>CDRL SEQ No.</i>	H001	H002
<i>Short Title</i>	TR	PM
ACO		
BMDO/CTN		
BMDO/JNC	4	4
BMDO/JND		
BMDO/JNG		
BMDO/JNU		
BMDO/JNX		
BMDO/RME		
BMDO/RMC		
HQSPACECOM/J5B		
ESC/NDCP (PAFB)		
Navy Code 865		
SAF/AQSI		
TIC	1	
Other	**	**
Block 15, Total	5**	4**
Block 6, Requiring Office	JN-I	JN-I

**Table H-1, CDRL Distribution Matrix**

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

\*\* Any additional CDRL recipients will be identified in Task Instructions.

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0106** B. EXHIBIT: **H**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **H001**  
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**  
3. SUBTITLE: *(As Stated in Task Order)*  
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MISC-80711/T**  
5. CONTRACT REFERENCE: **SOW 3.2.12**  
6. REQUIRING OFFICE: **JN/I**  
7. DD 250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ONE/R**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table H-1**  
16. REMARKS:

**Block 4:**

**10 Preparation Instructions.**

**10.3 Content.** Contractor format acceptable. Specific content to be as stated in Task Instructions.

**Block 8:** Government review and approval (or disapproval) and comments will be provided within 30 days after receipt of each submittal unless otherwise specified in Task Instruction.

**Block 12:** As specified in Task Instructions.

**Block 13:** If the Government provides any comments, submit a final report incorporating Government comments within 30 days after receipt of Government comments unless otherwise specified in Task Instructions.

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0106** B. EXHIBIT: **H**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **H002**  
2. TITLE OF DATA ITEM: **Presentation Material**  
3. SUBTITLE: **Presentation Material for Meetings and Reviews**  
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**  
5. CONTRACT REFERENCE: **SOW 3.2.12**  
6. REQUIRING OFFICE: **JN/I**  
7. DD 250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **See Block 16**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table H-1**  
16. REMARKS:

**Block 4:**

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250; Presentation Material per DI-ADMN-81373/T.**

**DI-ADMN-81373/T:**

**10.1 Format. Paper copies of vu-graphs and, when specified in Task Instructions, acetate vellums in protective pockets.**

**10.2 Content. Contractor format acceptable. Specific content to be as stated in Task Instructions.**

**Blocks 10, 12 and 13: Generally, the Contractor shall present a progress briefing at the half-way point for any Task Instruction with a period of performance of 60 days or more. A final briefing shall be presented at the conclusion of each special study or analyses unless waived by the Contracting Officer's Representative. Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes (unless waived by the Contracting Officer's Representative or the Contracting Officer) will be submitted within 14 days after review. If corrections are required, submit revised minutes within 14 days of receipt of Government comments. The Government may vary these requirements in Task Instructions.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**EXHIBIT J**

**CONTRACT DATA REQUIREMENTS LIST (CDRL)**

**FOR THE**

**NATIONAL MISSILE DEFENSE (NMD) PRIME CONTRACT**

**NMD CDRLs FOR**

**ENHANCED TEST & EVALUATION FOR THE NMD SYSTEM (CLIN 0107)**

**15 December 2000**



Block 14, Distribution*		
<i>CDRL SEQ No.</i>	J001	J002
<i>Short Title</i>	TR	PM
ACO	4	4
BMDO/CTN		
BMDO/JNC	4	4
BMDO/JND		
BMDO/JNG		
BMDO/JNU		
BMDO/JNX		
BMDO/RME		
BMDO/RMC		
HQSPACECOM/J5B		
ESC/NDCP (PAFB)		
ACO		
TIC	1	
Other	**	**
Block 15, Total	5**	4**
Block 6, Requiring Office	JN-I	JN-I

**Table J-1, CDRL Distribution Matrix**

\* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

\*\* Any additional CDRL recipients will be identified in Task Instructions.

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0106** B. EXHIBIT: **J**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER\_\_\_**X**\_\_\_  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **J001**  
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**  
3. SUBTITLE: *(As Stated in Task Order)*  
4. AUTHORITY: *(Data Acquisition Document No.):* **DI-MISC-80711/T**  
5. CONTRACT REFERENCE: **SOW 3.2.12**  
6. REQUIRING OFFICE: **JN/I**  
7. DD 250 REQ: **LT**  
8. APP CODE: **A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **ONE/R**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table J-1**  
16. REMARKS:

**Block 4:**

**10 Preparation Instructions.**

**10.3 Content.** Contractor format acceptable. Specific content to be as stated in Task Instructions.

**Block 8:** Government review and approval (or disapproval) and comments will be provided within 30 days after receipt of each submittal unless otherwise specified in Task Instruction.

**Block 12:** As specified in Task Instructions.

**Block 13:** If the Government provides any comments, submit a final report incorporating Government comments within 30 days after receipt of Government comments unless otherwise specified in Task Instructions.

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0106** B. EXHIBIT: **J**  
C. CATEGORY: TDP\_\_\_ TM\_\_\_ OTHER **X**  
D. SYSTEM/ITEM: **NMD Prime Contract**  
E. CONTRACT/PR. NO: **HQ0006-01-C-0001** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **J002**  
2. TITLE OF DATA ITEM: **Presentation Material**  
3. SUBTITLE: **Presentation Material for Meetings and Reviews**  
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**  
5. CONTRACT REFERENCE: **SOW 3.2.12**  
6. REQUIRING OFFICE: **JN/I**  
7. DD 250 REQ: **LT**  
8. APP CODE: **N/A**  
9. DISTRIBUTION STATEMENT REQUIRED: **F**  
10. FREQUENCY: **See Block 16**  
11. AS OF DATE: **N/A**  
12. DATE OF FIRST SUBMISSION: **See Block 16**  
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**  
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table H-1**  
16. REMARKS:

**Block 4:**

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250; Presentation Material per DI-ADMN-81373/T.**

**DI-ADMN-81373/T:**

**10.1 Format. Paper copies of vu-graphs and, when specified in Task Instructions, acetate vellums in protective pockets.**

**10.2 Content. Contractor format acceptable. Specific content to be as stated in Task Instructions.**

**Blocks 10, 12 and 13: Generally, the Contractor shall present a progress briefing at the half-way point for any Task Instruction with a period of performance of 60 days or more. A final briefing shall be presented at the conclusion of each special study or analyses unless waived by the Contracting Officer's Representative. Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes (unless waived by the Contracting Officer's Representative or the Contracting Officer) will be submitted within 14 days after review. If corrections are required, submit revised minutes within 14 days of receipt of Government comments. The Government may vary these requirements in Task Instructions.**

G. PREPARED BY: Lt Col MUN KWON, BMDO/JNC H. DATE: 1 DEC 00  
I. APPROVED BY: Mr. MIKE WALLACE, BMDO/RMC J. DATE: 4 DEC 00

**National Missile Defense (NMD) Prime Contract**

**Statement of Work (SOW)**

January 23, 2001

**REDACTED**

**Pages i through 146**

**Attachment 2**

**RESERVED**

**ATTACHMENT 3**

**CONTRACT WORK BREAKDOWN STRUCTURE (CWBS)**

**30 November 2000**

**REDACTED**  
**In Its Entirety**

**Attachment 4**

**Contract Security Classification Specification**

**(DD Form 254)**

January 29, 2001

**REDACTED**  
**IN ITS ENTIRETY**

## **Attachment 5**

# **Boeing Corporate Small Business and Small Disadvantaged Business Subcontracting Plan Document No. D180-32721-3, Rev. A**

October 6, 1999

**REDACTED**  
**In Its Entirety**



**Attachment 6**

**Rights in Technical Data-Noncommercial Items  
(DFARS 252.227-7013)**

**December 14, 2000**

**REDACTED  
In Its Entirety**

**Attachment 7**

**List of Less Than Unlimited Rights Computer  
Software and Computer Documentation**

**(Rights in Noncommercial Computer Software  
and Noncommercial Computer Documentation,  
DFARS 252.227-7014)**

**December 14, 2000**

**REDACTED**  
**In Its Entirety**

## **Attachment 8**

# **Government Property List for NMD Prime Contract**

**December 15, 2000**

**REDACTED**  
**In Its Entirety**

**Attachment 9**

**Base Support Requirements Document and  
National Ranges and Test Facilities  
Requirements List**

**December 15, 2000**

**REDACTED  
In Its Entirety**

**ORGANIZATIONAL CONFLICT OF INTEREST (OCI)**  
**ANALYSIS/DISCLOSURE FORM**

**Prepared by**

**BALLISTIC MISSILE DEFENSE ORGANIZATION**

**OCI ANALYSIS/DISCLOSURE FORM**

1. Contract Number HQ0006-01-C-0001		2. Program Title National Missile Defense (NMD) Prime Contract	
3. Contractor Name and Address		4. Telephone Number and POC	
5. Type of work to be performed under this solicitation: (a) Providing Systems Engineering and Technical Direction ( ) (b) Preparing Specifications or Work Statements ( ) (c) Providing Technical Evaluation or Advisory & Assistance Services ( )			
Other BMDO or BMD-related work requiring analysis and determination:		6. Contract Number and Program Title	
7. Brief Summary/Description of work performed under Block 6 action:			
8. Relationship between requirements of Block 1 action and work performed under Block 6 action (If None, State Why):			
9. Offeror/Contractor OCI Evaluation and Assessment (If either answer is yes, attach a copy of the SOW and complete Block 10): (a) Does Actual OCI exist? ( ) Yes ( ) No (b) Does Potential OCI exist? ( ) Yes ( ) No			
10. Summary of actual/potential OCI, including actions planned to avoid, neutralize, or mitigate conflict or potential conflict:			
11. Typed Name of Responsible Official		12. Signature	13. Date
14. Typed Name of Contracting Officer		15. Approval Signature	16. Date

## INSTRUCTIONS FOR COMPLETING OCI ANALYSIS/DISCLOSURE FORM

Blocks 3 and 4: Self-explanatory.

Block 6: Fill in the number and the short, official title by which the contract or subcontract requiring analysis and determination is formally known. This is work that has already been awarded, is being performed by your company, and requires a comparison with that work described in Blocks 1-5.

**NOTE:** One OCI Analysis/Disclosure Form shall be submitted for EACH BMD or BMD-related contract or subcontract currently being performed.

Block 7: Provide a brief, but specific, narrative summary of the SOW and work performed on the contract or subcontract listed in Block 6, including the period of performance and the value.

Block 8: Provide a brief, but specific, narrative summary of ANY relationship between the work to be performed under the action listed in Block 1 and the previous work performed under the action listed in Block 6. Please be as specific as possible by citing the specific RFP/SOW paragraphs where possible.

Block 9: Place an "X" in the appropriate ( ) for your responses.

Block 10: If you answer yes either to 9(a) or to 9(b), provide a summary of the actual or potential OCI.

Blocks 11, 12, and 13: Provide the name of your company official with responsibility for and/or authority to discuss and commit the company on matters relating to OCI issues. That official should then sign and date each form.

## **Attachment 11**

# **NMD PRIME CONTRACT AWARD FEE DETERMINATION PLAN**

**December 15, 2000**



## 1.0 INTRODUCTION

This Award Fee Determination Plan (AFDP) serves as the guideline for evaluating the Contractor's performance and determining the appropriate fee earned under the National Missile Defense (NMD) Prime Contract (HQ0006-01-C0001).

Through this AFDP, the Government seeks to provide award and incentive fee opportunities to the Contractor that promotes better than satisfactory performance for technical progress, maintaining schedule, and promoting effective cost control.

## 2.0 ROLES AND RESPONSIBILITIES

### 2.1 Fee Determination Official (FDO)

The NMD Program Executive Officer and System Program Director (PEO/SPD) serves as the Fee Determination Official (FDO) for the NMD Prime Contract. The FDO's primary responsibilities includes: (a) issuing all Expectation Letters to the NMD Prime Contractor prior to each evaluation period; (b) reviewing the evaluation results of the Award Fee Review Board (AFRB); (c) determining the Contractor's performance rating and award fee amounts for each evaluation period; (d) and advising the Procuring Contracting Officer (PCO) and the NMD Prime Contractor of all fee decisions.

### 2.2 FDO Expectations Letter

FDO Expectations Letters shall be prepared on a semi-annual basis and submitted to the Contractor prior to the start of the evaluation period. The Expectations Letter shall provide the specific areas of performance to be evaluated and their relative importance. The Contractor can participate in the development of these letters by recommending the performance areas, evaluation criteria and metrics, and amount of fee assigned to each award fee area.

These Letters shall include the percentage weights assigned to each Integrated Flight Test (IFT) or Boost Vehicle (BV) Test when the evaluation period contains more than one IFT and/or BV. The Expectations Letter shall identify the specific Flight Test Objectives and their evaluation criteria; technical performance measures; and Functional Performance objectives for the evaluation period. In addition, in those periods in which the FDO elects to roll forward unearned award fee, the Expectations Letter shall identify the amount of unearned fee rolled forward and the evaluation categories to which the fee has been rolled.

### 2.3 Award Fee Review Board (AFRB)

The Award Fee Review Board (AFRB) is comprised of the Deputy PEO/SPD, the Technical Director, the Deputy for Systems Integration, the Deputy for System Deployment and the Director of NMD Contracts. The AFRB's primary responsibilities include: (a) identifying and recommending technical objectives and measures to be included in the FDO's Expectation Letters for assessing Contractor's performance during the next evaluation period; (b) assessing the Contractor's performance; (c) developing

interim performance reports; (d) and providing the FDO with performance evaluation results and fee recommendations.

#### **2.4 Executive Secretary**

The Director of Resource Management and Program Control serves as the Executive Secretary for the AFRB. Responsibilities include: (a) scheduling AFRB meetings; (b) recording all proceedings; (c) coordinating the assessment of the NMD Prime Contractor's performance; (d) developing and forwarding the consolidated performance assessments report to the AFRB Members; (e) and retaining award fee historical files and other documentation.

#### **2.5 Procuring Contracting Officer (PCO)**

The Procuring Contracting Officer (PCO) serves as the permanent advisor to the AFRB. The PCO is responsible for (a) issuing contract modifications obligating the fee authorized by the FDO; (b) implementing all changes to the Award Fee Determination Plan; (c) and maintaining award fee documentation as part of the official contract file.

#### **2.6 Performance Evaluation Periods**

The NMD Prime Contract provides for annual periods of performance. The first and final performance periods may be less than one year. The first period of performance shall start on January 1, 2001 and conclude on September 30, 2001.

Award Fee evaluations for Hit-To-Kill Success and Flight Test Objective performance will be conducted at the completion of each flight test. Award Fee evaluations for Technical Performance Measures (TPMs) will be conducted semi-annually (periods ending 31 March and 30 September of each year), except for the initial period which will extend from January 1 to September 30, 2001. Functional Performance evaluations will be conducted at the end of the annual evaluation period, with the exception of the first and last evaluation periods which may be shorter in length.

Cost and Schedule performance will be evaluated at the end of an annual period.

### **3 FEE COMPONENTS**

The NMD Prime Contract provides for three tiers of fee consisting of Award Fee for Technical Performance and Incentive Fees for Cost Savings and Schedule Performance. The Award Fee pool provides the Contractor with a 15% fee opportunity. The Award Fee component consists of four evaluation criteria: Hit-To-Kill Success, Flight Test Objectives, Technical Performance Measures and Functional Performance. The allocation of fee to each Award Fee criteria is at the discretion of the FDO and will be established in an Expectations Letter prior to the beginning of each evaluation period. The maximum award fee available for all three tiers will not exceed 25 percent of the Contractor's total estimated cost for each fiscal year.

<b>Technical Performance Award Fee Pool – 15% (Tier I)</b>
Hit-To-Kill (HTK) Success Flight Test Objectives (FTO) Technical Performance Measures (TPM) Goals Functional Performance
<b>Cost Savings Incentive Fee (Tier II)</b>
<b>Schedule Performance Incentive Fee (Tier III)</b>

#### 4 EVALUATION AREAS AND CRITERIA

##### 4.1 Award Fee Pool and Weightings

The principal measure of performance will be the successful achievement of Integrated Flight Tests (IFTs) and Boost Vehicle Tests (BVs). As a result, the award fee area consists of four evaluation criteria: HTK Success, FTO, TPM Goals and Functional Performance. IFT performance is evaluated based on HTK Success and achieving FTOs. BV performance is evaluated based on achieving FTO's and TPM's.

The FDO will assign a percentage of the award fee pool to each of the four evaluation criteria at the beginning of each evaluation period. Up to 60 percent of the award fee pool (or 9% award fee) will be assigned to HTK Success criteria during the initial evaluation period (January 1 to September 30, 2001). The balance of the award fee (or 6% award fee) will be divided among the three remaining evaluation criteria. The FDO retains the right to change the percentages of fee tied to each award fee criteria as the program evolves and progresses or priorities change. The award fee percentages and evaluation objectives will be clearly defined and set forth in the FDO Expectations Letter.

During each evaluation period, award fee earned and paid will be based on the Contractor achieving HTK success (IFTs), FTOs established for each test (IFTs and BVs), TPMs and functional performance objectives established for each evaluation period.

##### 4.1.1. Hit-To-Kill (HTK) Success

The primary performance criteria for determining successful IFT performance will be HTK Success. An HTK intercept is defined to be successful if it results in a body-to-body hit by the Exoatmospheric Kill Vehicle (EKV) against a target vehicle. The Contractor will recommend for FDO approval a percentage weight for each IFT according to its relative importance to the program within that evaluation period. The FDO Expectations Letter will define the percentage weights assigned to each flight. The HTK criterion will not be applied to test events for which HTK is not a designated FTO.

In the event of a flight test delay caused by the Contractor, the amount of fee assigned to this criterion will be reduced at FDO discretion. In the event of a delay, cancellation, or failure of a flight test that is outside the Contractor's control (e.g. Government delay or cancellation, weather, unavailable target, etc.), then the fee for this flight test will be rolled forward to the next flight test.

#### **4.1.2 Flight Test Objectives (FTOs)**

FTOs are defined to mean system and element performance that is identifiable, quantifiable, and measurable. In addition to HTK success, FTOs provide another set of criteria to determine the successful technical performance for flight tests. They are the primary criteria for determining the successful technical performance for BVs.

For IFTs, these FTOs may include, but are not limited to, launch detection, sensor tracking, decision support, sensor performance, weapons tasking, boost and staging, acquisition, discrimination, guidance and intercept. For BV's, these FTOs may include, but are not limited to, achieving designated velocity, stage separation, weapons tasking, boost and staging, and guidance.

At the beginning of the evaluation period, but not later than ninety (90) days prior to each flight test, the Contractor will recommend and the FDO will approve FTOs for that test. This lead time may not be met for the initial period, due to the press of events. However, both the Government and the Contractor will make every effort to formalize the FTOs for the initial period as soon as practical. The FDO Expectations Letter will define the FTOs, evaluation criteria, and their weights for each upcoming flight test that occurs within the first 90 days of the award fee period. FTOs, evaluation criteria and their weights for subsequent tests to occur during an annual period will be determined when the required data becomes available, but not less than 90 days prior to the applicable flight test. The FDO Expectations Letter shall be amended accordingly.

#### **4.1.3 Technical Performance Measures (TPMs)**

TPMs represent another award fee component for evaluating the NMD Contractor's non-flight technical performance. Examples of TPMs can include, but are not limited to, XBR/UEWR Track Accuracy; Engagement Time Margin; and Radars/EKV Discrimination, et cetera.

TPMs shall be evaluated on a semi-annual basis. The TPMs and the applicable evaluation criteria for the semi-annual period shall be identified at the beginning of the period in the FDO Expectations Letter. Award fee shall be earned and paid based on the overall performance of all TPMs during each semi-annual evaluation period.

#### **4.1.4 Functional Performance**

Functional Performance represents the fourth award fee component for evaluating the Contractor's quality performance in the development and

integration of the NMD system. This award fee evaluation component may include, but not be limited to, evaluating other technical or program management performance or to be used for specific objectives in the technical disciplines (e.g. systems integration, modeling and simulations, test and evaluation, etc.)

Functional Performance shall be evaluated on an annual basis. Functional Performance and the applicable evaluation criteria for the annual period shall be identified in the FDO Expectations Letter. Award fee shall be earned and paid based on the overall performance of this evaluation criterion during each annual evaluation period.

#### **4.1.5 Award Fee Roll Forward**

The FDO may elect to roll forward from 0 percent to 100 percent of the unearned award fee to any or to all of the four award fee evaluation areas. The award fee evaluation area and the amount of fee to be rolled forward shall be documented in the FDO Expectations Letter at the beginning of the period. If the FDO decides to roll any or all of the unearned award fee to a specific performance objective and the Contractor does not earn this amount, then the unearned award fee cannot be rolled forward again.

#### **4.2 Cost Savings Incentive**

An incentive fee for cost savings shall be given for each year in which the cost savings have occurred. The Contractor's cost performance shall be evaluated on an annual basis. Each yearly evaluation is stand-alone and will not be cumulative through out the contract life. No value for the incentive pool will be identified and set aside at the beginning of year. The Cost Savings incentive fee will be determined based on the following metric:

Cumulative Budgeted Cost of Work Performed **less** Cumulative Actual Cost of Work Performed

(BCWP cum - ACWP cum)

The Contractor will earn up to 70% of the cost savings in which the BCWP cum exceeds the ACWP cum for that evaluation period. The Contractor will reimburse the Government for up to 10% of the cost over-run in which the ACWP cum exceeds the BCWP cum for that evaluation period. Cost savings fee earned or cost over-run paid on an annual basis is stand-alone and is not cumulative over the life of the contract.

The Government reserves the right to withhold payment if the contract performance baseline is deemed invalid or if the Government determines that the Contractor is substantially deficient in schedule performance.

#### 4.3 Schedule Performance Incentive

Each year, the FDO may elect to set-aside up to one third of the Government's Risk Management pool to be used for the evaluation of the Contractor's schedule performance. This Schedule Performance Incentive pool shall be identified, fenced off from use on other NMD program issues, documented in the FDO Expectations Letter, and incorporated into the contract by modification at the beginning of each fiscal year.

The Schedule Performance Incentive shall be earned based on the use of Schedule Performance Indices (SPI) obtained from the Contractor's Earned Value Management System (EVMS). SPI is calculated as Budgeted Cost of Work Performed (BCWP) divided by Budgeted Cost of Work Scheduled (BCWS).

Fee shall be earned on a sliding scale basis that will be specified in the FDO Expectations Letter as follows:

- Up to 100% of Schedule Performance Incentive Pool for Positive SPI Variance to be established in the FDO Expectations Letter;
- 0% of Schedule Performance Incentive Pool for On-Time Performance;
- No fee will be awarded for negative SPI variances.

## **Attachment 12**

### **Government Test Facilities (USAKA/KMR & Others)**

**December 15, 2000**

**REDACTED  
In Its Entirety**

**Attachment 13**

**Task Instructions**



## ATTACHMENT 13

### TASK INSTRUCTION PROCEDURES

**Applicability.** These procedures apply to Task Instructions (CLINs 0105, 0107 and 0109) issued per Special Contract Requirement (SCR) H-38.

**Contents.** Task Instructions issued under this contract shall be in writing and shall conform to SCR H-38.

**Format.** The attached form or Contracting Officer letter will normally be used for Task Instructions. Contractor format will be acceptable for the results of the Task Instruction effort and CDRLs.

#### Procedures

When the Government has a Task Instruction requirement, the Contracting Officer will issue a Draft Task Instruction on the attached form to the Contractor with a request to the Contractor to submit a plan for accomplishing the task. The Draft Task Instruction will include, but not be limited to, the description of the task to be performed, the period of performance, and a description of the deliverables. Issuance of a Draft Task Instruction does not authorize performance of the task.

The Contractor shall submit a Task Plan within seven (7) calendar days after receipt of the Draft Task Instruction, or within such time as otherwise indicated by the Contracting Officer. The Task Plan will include a brief description of the method and approach to accomplish the task and the information identified above, with supporting rationale.

Upon receipt of the Task Plan, the Contracting Officer will provide either an executed Task Instruction, or advise the Contractor of changes required to the Task Plan or proposed pricing. Once the Contracting Officer and the Contractor have agreed on the contents of the Task Plan and proposed number of direct productive labor hours (DPLH), the Contracting Officer will sign and provide the effective date authorizing the start of the effort and issue the Task Instruction to the Contractor. The Task instruction will include the items listed above in the Content Section. The Government reserves the right to issue the Task Plan under a Not-to-Exceed amount for later definitization in accordance with SCR H-37, "Contract Definitization Of Not To Exceed (NTE) Amounts."

\* Note: Task Instructions are issued as completion tasks. Including estimated labor hours in completion task instructions is for the purpose of tracking the quantity of effort ordered. Any variance between estimated and actual costs on completion task instructions will not alter the available award fee for that task.

**BALLISTIC MISSILE DEFENSE ORGANIZATION  
OFFICE OF THE SECRETARY OF DEFENSE  
TASK INSTRUCTIONS**

<b>1. Contractor Name And Address</b> The Boeing Company Space And Communications Group NMD Prime Contractor 3370 E. Miraloma Avenue, MC:GB-66 Anaheim, Ca 92803-3105	<b>2. Contract No.:</b> HQ0006-01-C-0001  <b>3. CLIN:</b>  <b>4. Task Instruction No.:</b>  <b>5. SOW Paragraph(s):</b>
--	---

**6. Government Task Instruction Program Integrator (If Applicable)**

Name \_\_\_\_\_

Office Symbol \_\_\_\_\_ Telephone \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

**7. Contracting Officer's Representative**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**8. Description Of Task To Be Performed**

**9. Effort For This Task**

Estimated Cost: \_\_\_\_\_ Est. Award Fee: \$ \_\_\_\_\_ Estimated CPAF: \$ \_\_\_\_\_

Maximum DPLH: \_\_\_\_\_ Estimated Level-Of-Effort (Man Years): \_\_\_\_\_

Period Of Performance: \_\_\_\_\_

**10. Deliverables And Government Furnished Resources**

CDRLs Required: (Check All That Apply)	<input type="checkbox"/> x001 - Scientific & Technical Reports	<input type="checkbox"/> x002 - Presentation Material
--	--	---

Due Dates For CDRLs: \_\_\_\_\_

Government Resources (If Any): \_\_\_\_\_

**11. (If Applicable)**

\_\_\_\_\_

**Boeing NMD Prime Contracts**                      **Date**                      **Signature**

**12. This Task Instruction Is Issued Pursuant To Special Contract Requirement H-38 Of The Contract.**

\_\_\_\_\_

**Contracting Officer (Typed)**                      **Date**                      **Signature**

**BALLISTIC MISSILE DEFENSE ORGANIZATION  
OFFICE OF THE SECRETARY OF DEFENSE**

**TASK INSTRUCTION  
CONTINUATION PAGE**

1. **Contractor Name And Address**  
The Boeing Company  
Space And Communications Group  
NMD Prime Contractor  
3370 E. Miraloma Avenue, MC:GB-66  
Anaheim, Ca 92803-3105

2. **Contract No.:** HQ0006-01-C-0001  
3. **CLIN:**  
4. **Task Instruction No.:**  
5. **SOW Paragraph(s):**

## **Attachment 14**

**Reserved**

**Attachment 15**

**Pricing Instructions**

## **Pricing Instructions**

The Prime Contractor and all subcontracts with a value of \$550,000 or more shall provide detailed cost information using the attached Format A and Format B. The Prime Contractor and all subcontractors shall provide an original and four (4) hard copies of the cost proposal. The Contractor and all subcontractors will also provide electronic copies of their cost proposals using Microsoft Excel 97 (IBM PC or compatible) or Microsoft Word 97 (IBM PC or compatible), as appropriate, if the cost estimating system used permits translation to a PC based system. The electronic copies will be on either PC 3.5 inch 1.44 MB disks or PC Zip 100 MB disks.

(a) Cost Format A, Cost Element Summary by CWBS/CLIN/Calendar Year.

Submit information using Format A to summarize cost element amounts for each priced CLIN, by proposed Contract Work Breakdown Structure (CWBS) element, by calendar year. Provide cost breakdowns at CWBS Level 3 for applicable program elements, and CWBS Level 4 for the applicable elements in CWBS 3.0 and 7.0.

Provide summary level CWBS reports for each CLIN.

The Format A summary shall show cost breakdowns according to the contractor's cost structure for each major cost element: direct labor hours, direct labor rates, direct labor costs, labor burden rates and costs, materials, subcontracts, interdivisional transfer costs, other direct costs, all other indirect rates and costs, and award fee. For all burden and indirect rates, show what direct and/or indirect cost elements comprise the base each specific burden is applied against.

(b) Cost Format B, Quarterly Expenditure Profile. Submit information using this format to provide anticipated quarterly cost expenditures at the total contract level and for each CLIN by CWBS with subtotals by Government fiscal year.

(c) Supporting Data. Supporting data shall present the contractor's rationale for the cost breakdowns shown in Format A. The information should be sufficiently detailed to demonstrate the realism and reasonableness of proposed costs. Furnish basis of estimates supporting each element of cost at the proposed CWBS levels by CLIN. Basis of estimates (BOEs) should show cost elements time phased by month. Time phased data should include prime direct labor hours and significant other direct costs (including subcontracts) at proposed CWBS levels. In addition to the above, provide the following data:

(1) Direct Productive Labor Hours. State the number of hours per labor category per year used in pricing direct labor costs. This information should be provided in a single table showing Boeing, affiliated companies, and subcontractors. These hour figures should reflect total hours per labor category per year including any uncompensated hours less all hours estimated for nonproductive time such as holidays, vacation, and sick days.

(2) Direct Labor Rates and Indirect Rates. The following information applies whether subcontractor rate information is included in the Boeing proposal or whether the details of the subcontractor cost information are separately submitted to the Government. Describe the

direct labor rates and indirect rates used in pricing the proposal. For Boeing and each subcontractor, get with the cognizant DCAA office and the ACO early and submit as part of the proposal a separate matrix for Boeing and each subcontractor taking this procurement into account that shows rate information in the three categories that follow.

- Direct labor rates and indirect rates that are covered by a Forward Pricing Rate Agreement (FPRA). Provide specifics, e.g., parties to the agreement, dates of agreement and expiration (if any), coverage, limitations).
- Direct labor rates and indirect rates that are covered by a Forward Pricing Rate Recommendation (FPRR). For FPRR rates, identify the contractor-proposed (or subcontractor-proposed) amount for each rate, the Government-recommended amount, and the reason(s) for the difference.
- For all other rates (i.e., not covered by an FPRA or FPRR), provide the contractor-proposed (or subcontractor-proposed) amount for each rate, the amount recommended by DCAA Audit and ACO recommendation, a summary of the reason(s) for any differences, and the identity of the DCAA Audit.

(3) Materials. Provide a consolidated priced summary of individual material quantities included in the CWBS and CLIN level summaries, and the basis for pricing. For all items over \$1 million (extended value), identify the item and show the source, quantity, and price.

(4) Subcontracts. For each planned Subcontract or Subcontract modification greater than \$1 million, the subcontractor shall provide all of the above. These requirements shall also be flowed down to all subcontracts under each Subcontractor as required. Provide at total WBS Level 1 and 2 component breakdown of subcontractor cost and fee.

(5) Other Direct Costs. Provide a brief basis of estimate for each category of other direct costs over \$500,000. Other direct costs should include any proposed travel costs, facility or equipment costs, and miscellaneous other direct costs.

(6) Spares. Provide a summary of the information in the BOEs on spare parts. Identify, by CWBS, spares included in BOEs/Bill of Materials (BOM). List the nomenclature, what the part is used on (e.g., higher level assembly, end article), quantity included, how quantities were determined (reliability estimates or predictions, engineering judgments, etc.). In addition, identify for each spare the estimated annual requirement for the produced Initial Capability and Block 1 Increment 1 NMD System. Identify where the initial spares will be delivered to (retained at contractor plant (identify), delivered to operational site, other?).

(7) Improvement (Learning) Curves: For assembly or fabrication proposed by the contractor, major subcontractors (i.e., Elements), or other key subcontractors, ensure that the contractor or subcontractor proposal contains improvement (learning) curve information. As a minimum, include information that identifies the starting point ( $T_1$  value), learning curve value, and rationale for estimate.

Company Name		Format A															
Proposal No. xxx		CLIN 0001				CLIN XXXX				CLIN XXXX				TOTAL CONTRACT			
Cost Elements	Hours/ Base	Rate	Cost	***	Hours/ Base	Rate	Cost	***	Hours/ Base	Rate	Cost	***	Hours/ Base	Rate	Cost		
<b>Direct Labor Hours</b>																	
Category A	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	3.0	\$30.00	\$90		
Category B	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	3.0	\$30.00	\$90		
Category C	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	3.0	\$30.00	\$90		
Category D	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	1.0	\$30.00	\$30	***	3.0	\$30.00	\$90		
<b>Total Direct Labor</b>	<b>7.0</b>		<b>\$210</b>	<b>***</b>	<b>7.0</b>		<b>\$210</b>	<b>***</b>	<b>7.0</b>		<b>\$210</b>	<b>***</b>	<b>21.0</b>		<b>\$630</b>		
<b>Labor Overheads</b>																	
Fringe	\$210	35.71%	\$75	***	\$210	35.71%	\$75	***	\$210	35.71%	\$75	***	\$630	35.71%	\$225		
Overhead	\$210	50.00%	\$105	***	\$210	50.00%	\$105	***	\$210	50.00%	\$105	***	\$630	50.00%	\$315		
<b>Total Labor Overheads</b>			<b>\$180</b>	<b>***</b>			<b>\$180</b>	<b>***</b>			<b>\$180</b>	<b>***</b>			<b>\$540</b>		
<b>Materials</b>																	
Subcontractor A	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	3.0	\$50.00	\$150		
Subcontractor B	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	3.0	\$50.00	\$150		
Subcontractor C	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	3.0	\$50.00	\$150		
Total Consultants	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	3.0	\$50.00	\$150		
Interdivisional Transfer	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	1.0	\$50.00	\$50	***	3.0	\$50.00	\$150		
<b>Total Materials</b>	<b>5.0</b>		<b>\$250</b>	<b>***</b>	<b>5.0</b>		<b>\$250</b>	<b>***</b>	<b>5.0</b>		<b>\$250</b>	<b>***</b>	<b>15.0</b>		<b>\$750</b>		
Procurement Overhead	\$200	2.50%	\$5	***	\$200	2.50%	\$5	***	\$200	2.50%	\$5	***	\$600	2.50%	\$15		
<b>Total Other Direct Costs</b>																	
Travel			\$50	***			\$50	***			\$50	***			\$150		
Reproduction			\$10	***			\$10	***			\$10	***			\$30		
Other			\$10	***			\$10	***			\$10	***			\$30		
<b>Total Other Direct Costs</b>			<b>\$70</b>	<b>***</b>			<b>\$70</b>	<b>***</b>			<b>\$70</b>	<b>***</b>			<b>\$210</b>		
General & Administrative	\$715	13.99%	\$100	***	\$715	13.99%	\$100	***	\$715	13.99%	\$100	***	\$2,145		\$300		
<b>Subtotal Cost</b>			<b>\$815</b>	<b>***</b>			<b>\$815</b>	<b>***</b>			<b>\$815</b>	<b>***</b>			<b>\$2,445</b>		
<b>Facilities Capital Cost of Money</b>																	
Labor Overhead	\$210	1.90%	\$4	***	\$210	1.90%	\$4	***	\$210	1.90%	\$4	***	\$630		\$12		
G&A	\$715	0.70%	\$5	***	\$715	0.70%	\$5	***	\$715	0.70%	\$5	***	\$2,145		\$15		
<b>Total FCCOM</b>			<b>\$9</b>	<b>***</b>			<b>\$9</b>	<b>***</b>			<b>\$9</b>	<b>***</b>			<b>\$27</b>		
<b>Total Estimated Cost</b>			<b>\$824</b>	<b>***</b>			<b>\$824</b>	<b>***</b>			<b>\$824</b>	<b>***</b>			<b>\$2,472</b>		
Base Fee	\$815	2.89%	\$24	***	\$815	2.89%	\$24	***	\$815	2.89%	\$24	***	\$2,445	2.89%	\$71		
Award Fee	\$815	5.78%	\$47	***	\$815	5.78%	\$47	***	\$815	5.78%	\$47	***	\$2,445	5.78%	\$141		
<b>Total Potential Fee</b>			<b>\$71</b>	<b>***</b>			<b>\$71</b>	<b>***</b>			<b>\$71</b>	<b>***</b>			<b>\$212</b>		
CPAF	12.0		\$895	***	12.0		\$895	***	12.0		\$895	***	36.0		\$2,684		



Company Name  
 Proposal No. xxx

**Format B**

<b>Contract Period</b>	<b>CLIN 0001</b>	<b>***</b>	<b>CLIN XXX</b>	<b>***</b>	<b>CLIN XXX</b>	<b>TOTAL</b>
CONTRACT 1QY1	\$10	***	\$10	***	\$10	\$30
CONTRACT 2QY1	\$10	***	\$10	***	\$10	\$30
CONTRACT 3QY1	\$10	***	\$10	***	\$10	\$30
CONTRACT 4QY1	\$10	***	\$10	***	\$10	\$30
CONTRACT 1QY2	\$10	***	\$10	***	\$10	\$30
CONTRACT 2QY2	\$10	***	\$10	***	\$10	\$30
***	***	***	***	***	***	\$0
<b>TOTAL ESTIMATED COST</b>	<b>\$60</b>	<b>***</b>	<b>\$60</b>	<b>***</b>	<b>\$60</b>	<b>\$180</b>