MISSILE DEFENSE AGENCY - TASK INSTRUCTION – 002	

| 1. **Contractor Name And Address**

Lockheed Martin Corporation
700 N Frederick Avenue, Location A
Gaithersburg, MD 20879-3328 | 2. Contract No.: HQ0147-12-D-0003-0014

Modification No.: 25

CLIN: 1001

3. SOW Paragraph: 4.9.3 |

4. Government Requiring Office

Name (printed): (b)(6)

Office Symbol BCE   Telephone (b)(6)   Office Symbol _____

Signature (b)(6)   Date: _____

5. Contracting Officer's Representative   Name (printed): (b)(6)

Signatu(b)(6)   Date: 4/24/17

6. Description Of Task – Government ONLY

- Integrate BCM into Digital OSF non-Real-Time architecture and conduct analysis as appropriate
- Support collaborative efforts to explore Time Management Concepts and interface design options
- Implement Time Management interfaces into BCM as appropriate
- Integrate BCM Digital Prototype OSF
- Support test runs and conduct analysis of results in support of Demo #2 (MDA/DES Early Digital Product)
- Provide a briefing of the BCM Fortify Scan Report/POAM for BCM updates to address Category 1&2 Risks by 3QFY17.
- Provide states updates during weekly status meetings.
- Multiple TIMs with MDA/DES, Element program offices and model developers (e.g. SN. AB, MDA/DES)
- POAM briefing to support BCM modifications for IA compliance.

7. Contractor Technical and Mgt. Approach – Contractor ONLY

- Technical Approach –
  - Update BCM S8.2-1 –
    - ➤ Update S8.2-1 BCM to incorporate OPI API changes in Time services, Event services, Communication model, and performance improvement API changes
    - ➤ Implement message processing, communication model, and interface update to interact with additional element models such as SBX (VMF-K or VMFXML,), THAAD (TADILJ), UEWR (VMF-K or VMFXML), Cobra Dane (VMF-K or VMFCML), and SBIRS (VMF-K or SBIRS Inc. 2)
    - ➤ Integrate RTK to display BCM status (message traffic, MHC, BLEA, SRM, BM, and ADSI) during scenario execution
    - ➤ Support Batch run architecture update
    - ➤ Implement logging updates to support SAVANT analysis tool
    - ➤ Implement BCM code update to address Category 1 and 2 issues reported by Fortify scan
    - ➤ Provide a briefing of the BCM Fortify Scan Report/POAM for BCM updates to address Category 1&2 Risks by 3QFY17
  - Support Integration and analysis
    - ➤ Support remote connection implementation from LM HWY83 facility to MDIOC MWS
    - ➤ Provide integration support at HWY83 lab (if remote connection is available) and on site and MDIOC MWS

if necessary to ensure successful integration of BCM into OPI framework

- Management Approach
  - Support Technical exchange meetings with MDA/DES, Element program offices and model developers via CVTC –
  - Provide status updates during weekly status meetings
- Assumptions
  - S8.2-1 BCM will be used for demonstration scheduled for September 2017

8. **Task Instruction Type:**

8a. CPFF Task Instruction

Min DPLH: (b)(4)   Target DPLH: (b)(4)   Max DPLH: (b)(4)

Est. Labor Cost:	$ (b)(4)	Material Cost:	$_____0_____
Est. Labor Fixed Fee:	$	Material Fee:	$_____0_____
Total Est. Labor CPFF:	$	Travel Costs	$_____0_____
Period of Performance:	**Award – 31 Dec 2017**	Other Costs:	$_____0_____

TOTAL Task Instruction Value: $ (b)(4)

Period of Performance: **Award through 31 December 2017**

8b. FPP Task Instruction

Labor Price: $_____

Material Cost:	$_____
Material Fee:	$_____
Travel Costs	$_____
Other Costs:	$_____

TOTAL Task Instruction Value: $_____

Period of Performance: _____

9. **Key Milestones – Government ONLY**

   a. End of year Demo – 30 September 2017

10. **Deliverables – Government ONLY**

   1. POAM briefing to support BCM modifications for IA compliance NLT 30 June 2017.
   2. Weekly updates as part of current BCEN Weekly Status Meeting.

11.   **Government Furnished Resources:**

None.

12.   **Contractor Acceptance of Task Instruction**

Name (b)(6) _____ Signature (b)(6) _____ Date 21 APR 2017

13.   This Execution Plan is approved for execution under contract HQ0147-12-D-0003 Task Order #14.

(b)(6)

Contracting Officer   27 APR 2017   (b)(6)

                              Date