Attachment #3
Modification 10, May 18, 2016

MISSILE DEFENSE AGENCY - TASK INSTRUCTION- 001 Rev 01

1. **Contractor Name And Address**

Lockheed Martin Corporation
700 N Frederick Avenue, Location A
Gaithersburg, MD 20879-3328

2. **Contract No.: HQ0147-12-D-0003-0013**

3. **SOW Paragraph: 7.0**

5. **Government Requiring Office**

Name (b)(6)

Office Symbol BCDN Telephone (b)(6)

Signature (b)(6) Date: 17 May 16

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

Signature (b)(6) Date: 5/17/16

7. **Description Of Task – Govt ONLY (Use continuation page if req'd)**

A. Reference TO13 SOW paragraph 7.0 for this minor deployment and configuration change to interface SBIRS Inc-2 data using the TSC-2 lab to C2BMC. The interface from TSC-2 shall be in accordance with preliminary architecture provided by BCDN which was discussed with all stakeholders (enclosure 1). This change, described as option 2, requires that the Contractor shall establish two routes from the TSC-2 lab to C2BMC, one to MCS-2 ABOX and one to MCSB-2 ABOX. (continued on page 2)

8. **Contractor Technical and Mgt. Approach – Contractor ONLY (See Continuation Page)**

9. **Effort For This Task:** Min DPLH: (b)(6) Target DPLH (b)(6) Max DPLH: (b)(6)

Est. Cost: (b)(6)

Est. Fixed Fee:

Total CPFF(net

Material: (b)(4)

Travel:

Other:

Total Non-labor:

Period of Performance: Award date to 31Dec 2016

10. **Key Milestones – Govt. ONLY (See Continuation Page)**

11. **Deliverables – Govt. ONLY (See Continuation Page)**

12. **Government Furnished Resources (See Continuation Page)**

13. **This Execution Plan is approved for execution under contract HQ0147-12-D-0003 Task Order #0013.**

(b)(6)
Contracting Officer

5/19/2016
Date

(b)(6)

7. (Cont'd). Additionally, the Contractor shall procure and install a router on the C2BMC interface to the TSC-2 lab so that the data path can be established and controlled by configuration controllers for a specific GTD or FT workup event. Specific circuit routing, VPN on current circuits or adding an additional circuit, between the MDIOC and the SBIRS buildings will be up to the discretion and as recommended by the Contractor. If a new circuit is required, the Contractor shall procure the circuit from the Government as GFE/S. The Contractor shall coordinate and work with the SBIRS PO, DTR and Contractors to establish these interfaces, including necessary crypto, to C2BMC equipment located in the MCS-2 and MCSB-2. The Contractor shall update configurations and documentation as needed. The Contractor shall provide interface hardware and cables in MDIOC, MCS-2 and MCSB-2 as necessary. The Contractor shall test new or upgraded data paths to validate connectivity and performance and regression test SBIRS Inc-2 with MCS-2 and MCSB-2.

8. **Contractor Technical and Management Approach (Cont'd)**

a) The Contractor shall conduct site surveys at MCS-2, MCSB-2 and at MDIOC
b) The Contractor shall install (b)(4) and perform fiber/cable routing at MCS-2 and MCSB-2
c) The Contractor shall process the necessary paperwork to acquire SBIRS board approvals
d) The Contractor shall install (b)(4) router and configuration files at MDIOC, SAFB
e) The Contractor shall conduct characterization/acceptance test of the modified LHC circuit between MDIOC and MCS-2
f) The Contractor shall integrate and conduct end-to-end network-level check of the TSC-2 to MCS-2/MCSB-2 interface
g) The Contractor shall l regression test to confirm TSC-2 changes did not degrade SBIRS Inc2/C2BMC performance
h) The Contractor shall update drawings, IA documentations and CM artifacts

10 **Key Milestones**

a) Technical Design/Test Readiness Review no later than 11 May 2016
b) Install/Configuration Update Review no later than 24 May 2016

11 **Deliverables**

a) Installation Daily Status Reports
b) Circuit Acceptance Plan/Summary
c) SBIRS Inc-2 Regression Test Plan/Summary

These Deliverables will be submitted to MDA via posting to the DAL.

12 **Government Furnished Resources**

a) Route fibers/cables between TSC-2 and C2BMC NC CNE at MDIOC, SAFB
b) Increase bandwidth (doubled) of Long Haul Comm (LHC) circuit between MDIOC and MCS-2
c) Provide required rack space, power and cooling for (b)(4) in MDA/DT TSC-2 facility

13 **Contractor Acceptance of TI**

Name (b)(6) Signature (b)(6) Date 5/19/16