

MISSILE DEFENSE AGENCY - TASK INSTRUCTION – 003 Rev1

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

3. SOW Paragraph: 4.2.1

Government Requiring Office

Name (printed):

(b)(6)

Office Symbol

BCDD
(b)(6)

Telephone

(b)(6)

Signature

Date:

2/8/2018

Director, Program Management & Integration

Name (printed): Sean Williamson

(b)(6)

Signature

Date:

2/8/2018

Description Of Task – Government ONLY

The Contractor shall develop an Aegis 5.1 model to provide a SM-3 interceptor representation in the C2BMC Planner. The Contractor shall develop an Aegis 5.1 table lookup table based upon an ARES representation and table look-up parameters of Ship Position, Quality of Service (QoS), Interceptors, and Threats. The Contractor shall anchor the C2BMC Planner model on Aegis performance data provided by Aegis models. The Contractor shall update the Radar Model in the C2BMC Planner as necessary to support the Aegis ARES model representation and provide the operator with Selectable Quality of Service (QoS) bin information.

Contractor Technical and Mgt. Approach – Contractor ONLY

The Contractor shall develop a SM-3 interceptor representation in support of producing an Aegis-BMD 5.1 model. The Contractor shall develop an Aegis-BMD 5.1 interceptor performance data look-up table based upon an ARES representation with look-up parameters based upon Ship Position, Quality of Service (QoS), Interceptors, and Threats. The Contractor shall update the C2BMC Planner Aegis-BMD 5.1 model to utilize the above referenced look-up parameters which include the addition of the Quality of Service (QoS) indicator. The Contractor shall update the Radar model for the Aegis-BMD 5.1 to include Quality of Service, shall update the Weapon Constraints and Weapon Selection Rules to include the SM3 Block IIA Interceptor, shall update the task definitions to include an EOR engagement task designation, and shall update the Planner to provide the operator with Selectable Quality of Service (SQoS) bin information. The Contractor shall integrate the functionality into a S8.2-3 TP release no later than 1 Apr 2018.

8. Task Instruction Type:

8a. CPFF Task Instruction

Min DPLH: 2709 Target DPLH: (b)(4) Max DPLH: (b)(4)

Est. Labor Cost: (b)(4) Material Cost: \$ _____

Est. Labor Fixed Fee: (b)(4) Material Fee: \$ _____

Total Est. Labor CPFF: (b)(4) Travel Costs: \$ _____

Other Costs: \$ _____

TOTAL Task Instruction Value: (b)(4)

Period of Performance: Award – 1 April 2018

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

None

10. Deliverables – Government ONLY

Agis 5.1 Model update to be delivered as part of March 2018 TP (8.2.103.07.Build20) NLT 1 April 2018

11. Government Furnished Resources: All Government provided resources regarding this effort are identified in Attachment of HQ0147-12-D-0003.

12. Contractor Acceptance of Task Instruction

Name: (b)(6) Signature: (b)(6) Date: 2/8/2018

13. This Execution Plan is approved for execution under contract HQ0147-12-D-0003 Task Order 0014.

(b)(6) 8 Feb 2018 (b)(6)

Contracting Officer Date