



**C2BMC Spiral Capability Development Contract**

**Training**

**Task Order Number 0016**

**Revision 4**

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Table of Contents

- 1.0 Task Description ..... 4**
- 2.0 Program Management..... 4**
  - 2.1 Integrated Process and Product Development (IPPD)..... 4**
  - 2.2 Contractor Integrated Performance Management ..... 4**
  - 2.3 Integrated Baseline Reviews (IBRs)..... 4**
  - 2.4 Process Control ..... 5**
  - 2.5 Program Reviews ..... 5**
  - 2.6 Bills of Material(BOM) Management ..... 5**
- 3.0 Training Systems..... 5**
  - 3.1 Training Support System (TSS)..... 5**
    - 3.1.1 Spiral 6.4 TSS Sustainment ..... 5
    - 3.1.2 Spiral 8.2-1 TSS Development/Sustainment ..... 7
      - 3.1.2.1 Schedule..... 7
      - 3.1.2.2 Requirements/Design..... 7
      - 3.1.2.3 Development/Implementation..... 8
      - 3.1.2.4 Documentation..... 9
      - 3.1.2.5 Demonstration..... 9
      - 3.1.2.6 Product Distribution/ Deployment..... 9
      - 3.1.2.7 Cybersecurity ..... 10
    - 3.1.3 Spiral 8.2-3 TSS Development/Sustainment ..... 10
      - 3.1.3.1 Schedule..... 10
      - 3.1.3.2 Requirements/Design..... 10
      - 3.1.3.3 Development/Implementation..... 11
      - 3.1.3.4 Documentation..... 11
      - 3.1.3.5 Demonstration..... 11
      - 3.1.3.6 Product Distribution/ Deployment..... 12
      - 3.1.3.7 Cybersecurity ..... 12
    - 3.1.4 System Maintenance Request (SMR) Resolution for TSS Baselines ..... 12
  - 3.2 Distributed Training System (DTS)..... 13**
    - 3.2.1 Spiral 8.2-1 Distributed Training System (DTS) Sustainment ..... 13
      - 3.2.1.1 Schedule..... 13
      - 3.2.1.2 Requirements/Design..... 13
      - 3.2.1.3 Development/Implementation..... 13
      - 3.2.1.4 Documentation..... 14
      - 3.2.1.5 Demonstration..... 14
      - 3.2.1.6 Product Distribution/Deployment..... 14
      - 3.2.1.7 Cybersecurity ..... 14
    - 3.2.2 Spiral 8.2-3 Distributed Training System (DTS) Development/ Sustainment..... 15
      - 3.2.2.1 Schedule..... 15
      - 3.2.2.2 Requirements/Design..... 15
      - 3.2.2.3 Development/Implementation..... 16
      - 3.2.2.4 Documentation..... 16
      - 3.2.2.5 Demonstration..... 17

3.2.2.6 Cybersecurity .....	17
3.2.3 System Maintenance Request (SMR) Resolution for DTS Node Baselines.....	17
<b>4.0 Support Real World, Contingency Operations or Special Emphasis Projects.....</b>	<b>17</b>
<b>5.0 Period of Performance.....</b>	<b>18</b>
<b>6.0 Travel .....</b>	<b>18</b>
<b>7.0 Deliverables .....</b>	<b>18</b>
<b>8.0 Schedule .....</b>	<b>19</b>
<b>9.0 Acronym List.....</b>	<b>19</b>

## **1.0 Task Description**

The Contractor shall provide the program management, secure systems engineering, hardware and secure software engineering, test and integration engineering and additional support required to develop and update training systems concurrent with C2BMC spiral development.

Training at and among C2BMC user sites, training C2BMC users via mobile training teams, and training C2BMC users at schoolhouses will be supported via the Training Support System (TSS). Distributed Training and Operational exercises, at and among C2BMC suites, will be supported via the Distributed Training System (DTS). The Contractor shall provide the DTS and TSS capabilities and upgrades and technical support required to ensure the capabilities are designed and delivered as required to support Warfighter training and exercises as approved by the MDA/BCDC program office. The Contractor shall develop architecture and design artifacts for current and future spirals of DTS/TSS.

## **2.0 Program Management**

The Contractor shall provide Program Management services to assist the Government in planning, controlling, directing, monitoring, reporting, and managing this Task Order (TO). The Contractor shall support a Failure Review Board (FRB) to determine root cause and ensure timely corrective action for critical failures, when requested by the Government.

All documentation created and maintained in a database or storage medium associated with this contract shall be delivered to the Government by the various Contract Data Requirement Lists (CDRLs) associated with this contract. All deliverables (CDRLs) shall be submitted to the Government electronically, unless otherwise stated, with distribution method to the Government to be determined by the C2BMC Program Management Office (PMO).

### **2.1 Integrated Process and Product Development (IPPD)**

The Contractor shall apply an IPPD approach in all technical/functional disciplines and requirements in a coordinated effort to meet established financial management, resource, cost, schedule, performance, and supportability requirements for the C2BMC system.

### **2.2 Contractor Integrated Performance Management**

The Contractor shall prepare and utilize, in the performance of this TO, an integrated performance management system. Central to this integrated system shall be a Department of Defense (DoD) validated Earned Value Management System (EVMS). The EVMS shall be linked to, and supported by, the Contractor's management processes and systems to include the Integrated Master Schedule (IMS), Contract Work Breakdown Structure (CWBS), change management, materiel management, procurement, cost estimating, and accounting.

### **2.3 Integrated Baseline Reviews (IBRs)**

The Contractor shall engage jointly with the Government's program manager and their representatives in IBRs to evaluate the risks inherent in the contract's planned performance measurement baseline for this TO. The totality of the baseline shall be reviewed and evaluated no less than annually by the Government. Each IBR shall verify that the Contractor is using a reliable performance measurement baseline (to include the entire

contract scope of work for this TO), is consistent with contract schedule requirements, and has adequate resources assigned. Each IBR shall contain integrated subcontract data.

#### **2.4 Process Control**

The Contractor shall maintain a set of operating documentation that provides management direction, policies and procedures, per established contractor tools and procedures in accordance with (IAW) existing Government processes.

#### **2.5 Program Reviews**

The Contractor shall support the planning, preparation, conduct, and preparation of minutes of program reviews. The Contractor shall support the IBR, Program Management Reviews (PMR), Government Internal Configuration Control Board (ICCB), Integration Synchronization Group (ISG)/Integration Synchronization Center (ISC), Program Change Board (PCB), In Progress Reviews (IPR), IMS and Government IMS (GIMS) Reviews, the Training Configuration Management Board (TCMB), bi-weekly Joint Business Reviews (JBRs) and other relevant meetings as requested and/or agreed upon by the Government. The Contractor shall support C2BMC component immersion reviews with the Government to facilitate understanding and agreement with implementation approaches used for chosen technical efforts. The results of these reviews shall include updating project documentation based on the outcome of the reviews.

#### **2.6 Bills of Materials (BOM) Management**

The contractor shall develop and maintain procurement Bills of Materials (BOMs) to cover hardware, software, maintenance and services required in support of program execution. The contractor shall generate engineering drawings, when appropriate, to identify materiel requirements at a level of detail adequate for procurement. The contractors shall baseline the BOM and manage changes IAW program configuration control procedures for this task order. The Contractor shall monitor new materiel requirements and identify when changes are required to BOM line items to meet baseline program requirements.

### **3.0 Training Systems**

#### **3.1 Training Support System (TSS)**

The TSS is a training system that utilizes a custom modeling environment for integrated system models in lieu of federated models. The TSS is intended to train C2BMC personnel at C2BMC user sites, C2BMC personnel trained by mobile training teams, and C2BMC personnel trained at schoolhouses.

##### **3.1.1 Spiral 6.4 TSS Sustainment**

The contractor shall update and maintain S6.4 TSS capabilities as agreed to by the Government. These activities shall include the following:

###### **3.1.1.1 Schedule**

- A) Develop/maintain a schedule and provide a fielding roadmap via the Data Accession List (DAL). Conduct reviews in contractor format to obtain Government concurrence with the update. (CDRL A012)

- B) Conduct reviews in contractor format to obtain Government concurrence with the update.

#### **3.1.1.2 Requirements/Design**

- A) Conduct engineering Technical Information Meetings (TIMs)/ Reviews as required by the Government. Develop and propose requirements and design of the following products, Delivered through CDRL A003:
  - aa) Requirements
  - bb) Architectural and engineering artifacts
  - cc) Design (to include Software and Network)
  - dd) Production artifacts
  - ee) Other technical artifacts
- B) Perform design, implementation and test activities to develop the S6.4 Training Support System IAW Contractor's Systems Engineering Process.
- C) Incorporate TSS Spiral Specification changes into baseline (CDRL A012).

#### **3.1.1.3 Development/Implementation**

- A) Provide system updates to all TSS systems, agreed to by the government.
- B) Provide executable and source code (CDRL A042).
- C) Sustain development environment for TSS at the Contractor facility.
- D) Sustain a developmental Test Environment (TE) laboratory at the Contractor facility for training system analysis and experimentation
- E) The Contractor Shall perform requirement Verification Testing and deliver results via the DAL (CDRL A012).

#### **3.1.1.4 Documentation**

- A) Maintain TSS operator training materials IAW Contractor's Systems Engineering Process via the DAL (CDRL A012)
- B) Update and maintain the training Operations Concept within the C2BMC Operations Concept (OPSCON). (CDRL A016)
- C) Develop and maintain scenario descriptions via the DAL (CDRL A012)

#### **3.1.1.5 Demonstration**

- A) Provide status briefings for C2BMC Program Office with external stakeholders periodically.

