VA ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) SYSTEM
PERFORMANCE WORK STATEMENT (PWS)
DEPARTMENT OF VETERANS AFFAIRS

Office of Electronic Health Record Modernization (OEHRM)

EHRM IOC Deployment

Date: September 13, 2018
TAC-18-52838
Task Order PWS Version Number: 2.6
6.2 SECTION 508 –INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) STANDARDS ................................. 25
  6.2.1 REPRESENTATION OF CONFORMANCE ........................................ 25
  6.2.2 ACCEPTANCE AND ACCEPTANCE TESTING ......................... 26
6.3 SHIPMENT OF HARDWARE OR EQUIPMENT ........................................ 26
6.4 ORGANIZATIONAL CONFLICT of INTEREST ................................. 26
1.0 BACKGROUND
The mission of the Department of Veterans Affairs (VA) is to provide benefits and services to Veterans of the United States. In meeting these goals, VA strives to provide high quality, effective, and efficient Information Technology (IT) services to those responsible for providing care to the Veterans at the point-of-care as well as throughout all the points of the Veterans’ health care in an effective, timely and compassionate manner. VA depends on Information Management/Information Technology (IM/IT) systems to meet mission goals.

On June 1, 2017, the Secretary of the VA signed a Determination and Findings that, through a public interest exception, permitted the sole source procurement of the Cerner Corporation’s (Cerner) Electronic Health Record (EHR) system being deployed by the Department of Defense (DoD) as well as related services for deployment and transition across the VA enterprise in a manner that meets VA needs. Procurement of a single common system across VA and DoD shall achieve VA’s goal of seamless care for Veterans by facilitating the transition of active duty military members to VA and improving their timely access to the highest quality of care.

Cerner shall provide IOC deployment of a comprehensive EHR solution and services as specifically defined in the EHRM Basic contract. For purposes of this PWS, the VA EHR solution will be referred to as the VA Electronic Health Record Modernization (EHRM).

2.0 APPLICABLE DOCUMENTS
The documents in Paragraph 3.0 in the EHRM Basic PWS apply to the performance of this effort. As a result, there are no additional referenced documents.

3.0 SCOPE OF WORK
The Contractor shall conduct IOC deployment activities for the following VISN 20 Initial Operating Capability (IOC) Sites and associated facilities: Mann-Grandstaff VA Medical Center (VAMC), Seattle VAMC, and American Lake VAMC. IOC deployment tasks include planning, test and evaluation, training, production release, post deployment support and successful completion of the tasks and accomplishment of the metrics required for the deployment to be considered complete.

3.1 APPLICABILITY
This Task Order (TO) effort PWS is within the scope of paragraphs 5.6.1 through 5.6.13 of the EHRM Basic PWS.
3.2 ORDER TYPE

The effort shall be proposed on a Firm Fixed Price (FFP) basis.

4.0 PERFORMANCE DETAILS

The estimated period of performance (PoP) for this effort shall be 21 months from the date of award. The period of performance shall cover all efforts associated with deployment, change management, go-live, sustainment, and all other tasks as indicated in the PWS.

The PoP shall cover the Go-Live Phase estimated to occur at month 18 followed by an estimated 90-day Post Go-Live Support period.

4.1 PERFORMANCE PERIOD

4.2 PLACE OF PERFORMANCE

Efforts under this TO shall be performed at the contractor site, IOC locations with their associated facilities, and any VA location identified for EHRM test evaluation, user test activities or training activities such as EHRM program office in Washington DC or VA simulation learning centers. IOC locations include the Las Vegas CPAC, VAMC locations and their associated facilities as discovered and identified during the Current State Reviews.

4.3 TRAVEL OR SPECIAL REQUIREMENTS

The Government anticipates travel to perform the tasks associated with the effort, as well as to attend program-related meetings or conferences throughout the PoP. Include all estimated travel costs in your firm-fixed price line items. These costs will not be directly reimbursed by the Government.

The total estimated number of trips for this effort shall be proposed by the Contractor. Anticipated locations include, but are not limited to; Washington, DC and identified IOC sites. The Contractor shall review travel under this TO on a quarterly basis. Based on this quarterly review, the Contractor shall inform VA of project risks related to travel.

4.4 CONTRACT MANAGEMENT

All requirements of Section 9.0 of the EHRM Basic PWS apply to this effort. This TO shall be addressed in the Contractor’s Monthly Progress Report as set forth in the EHRM Basic contract.

4.5 GOVERNMENT FURNISHED PROPERTY

Based on the Government assessment of the requirements of this TO, the Government estimates that the following GFE will be required by this TO:
Standard laptops: 80

The Government will not provide IT accessories including but not limited to Mobile Wi-Fi hotspots/wireless access points, additional or specialized keyboards or mice, laptop bags, extra charging cables, extra PIV readers, peripheral devices, additional RAM, etc. The Contractor is responsible for providing these types of IT accessories in support of the TO as necessary and any VA installation required for these IT accessories shall be coordinated with the COR.

4.6 SECURITY AND PRIVACY

All requirements in Section 7.0 of the EHRM Basic PWS apply to this effort.

It has been determined that protected health information may be disclosed or accessed and a signed Business Associate Agreement (BAA) shall be required. The Contractor shall adhere to the requirements of the BAA executed between OEHRM and Cerner Corporation; and shall comply with VA Directive 6066 and VHA Handbook 1605.05.

4.6.1 POSITION/TASK RISK DESIGNATION LEVEL(S)

The position sensitivity and the level of background investigation commensurate with the required level of access for the following tasks within the PWS are:

Position Sensitivity and Background Investigation Requirements by Task

<table>
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The Tasks identified above and the resulting Position Sensitivity and Background Investigation requirements identify, in effect, the Background Investigation requirements for Contractor individuals, based upon the tasks the particular Contractor individual will be working. The submitted Contractor Staff Roster must indicate the required
Background Investigation Level for each Contractor individual based upon the tasks the Contractor individual will be working, in accordance with their submitted proposal.

5.0 SPECIFIC TASKS AND DELIVERABLES
The Contractor shall conduct IOC deployment activities for identified IOC Sites and associated facilities. Specifically, the Contractor shall perform the following:

5.1 PROJECT MANAGEMENT

5.1.1 CONTRACTOR PROJECT MANAGEMENT PLAN
The Contractor shall deliver a Contractor Project Management Plan (CPMP) that lays out the Contractor’s approach, timeline and tools to be used in execution of this TO effort. The CPMP should take the form of both a narrative and graphic format that displays the schedule, milestones, risks and resource support. The CPMP shall also include how the Contractor shall coordinate and execute planned, routine, and ad hoc data collection reporting requests as identified within the PWS. The initial baseline CPMP shall be concurred upon and updated in accordance with Section B of the TO. The Contractor shall update and maintain the VA Program Manager (PM) approved CPMP throughout the PoP.

Deliverable:
A. Contractor Project Management Plan

5.1.2 REPORTING REQUIREMENTS
The Contractor shall provide a Monthly Progress Report in accordance with Section 9.6.1.1 of the EHRM Basic PWS.

Deliverable:
A. Monthly Progress Report

5.1.3 VETERAN-FOCUSED INTEGRATION PROCESS (VIP) REPORTING
The Contractor shall provide project and technical documentation pertaining to deployment activities as defined in VIP for Major Programs including, but not limited to, the deliverables defined in the guide as of time of award. Note that the VIP reporting guide is expected to evolve to meet VA OI&T reporting requirements. The activities covered in this deployment task order are largely focused on gate 3/Train and gate 4/Activate.

Deliverable:
A. Artifacts outlined within the VIP for Major Programs – Deployment Guide.
5.1.4 TECHNICAL KICKOFF MEETING
The Contractor shall hold a technical kickoff meeting within 10 days after TO award. The Contractor shall present, for review and approval by the Government, the details of the intended approach, work plan, and project schedule for each effort. The Contractor shall specify dates, locations (can be virtual), agenda (shall be provided to all attendees at least five calendar days prior to the meeting), and meeting minutes (shall be provided to all attendees within three calendar days after the meeting). The Contractor shall invite the Contracting Officer (CO), Contract Specialist (CS), COR, and the VA PM.

5.1.5 COORDINATION WITH EHRM TASK ORDER TEAMS
The Contractor shall coordinate scheduling and go-live activities with the EHRM Data Migration, Functional Baseline, Technical Baseline and other TO teams contributing to deployment activities to ensure all stakeholders are informed of risks, timelines, and go-live tasks required. The Contractor shall provide monthly status updates focused on IOC deployment go-live activities to ensure effective communication between the relevant task order teams.

5.1.6 IOC ISSUE MANAGEMENT AND HELP DESK SUPPORT
The Contractor shall provide issue management and help desk support planning and execution covering pre go-live, go live and Post Go-Live On-site Support to include ticket/issue categorization, follow-up, resolution, reporting and relevant Cerner commercial service level help desk service levels. Issue Management and Help Desk Support Plans will be reviewed and concurred by VA prior to execution. Plans shall specify method and detail of recording of over the shoulder issue resolution, analysis of issue/trouble ticket trends to identify modifications to training/change management processes, and interfaces/hand-off to VA help desk systems for both EHRM issues and issues related to EHRM integrations that are not managed by Cerner. The Contractor shall provide the ability to categorize and report on issues/help desk tickets to differentiate technical trouble tickets from such items as configuration, enhancement or training needs.

Deliverable:
A. Issue Management and Help Desk Support Plans
5.2 CERNER-PROVIDED HARDWARE

The Contractor shall coordinate with the VA deployment team and facility management to plan and implement delivery and installation of the Cerner-provided hardware required to support the site deployment. Cerner shall report on status, issues and risks related to Cerner-provided hardware in the Monthly Progress Report.

5.3 SITE READINESS CHECKLIST

The Contractor shall prepare and monitor a site-readiness checklist for each IOC deployment site covering equipment and infrastructure requirements identified during Site Assessment TO2 as well as all other readiness activities required for IOC deployment. The checklist shall be updated monthly and provided to the VA PM/COR for follow-up with all parties involved in checklist activities:

- Infrastructure upgrade
- Medical device purchase, installation, device driver updates, and configuration
- IT equipment purchase, installation and configuration
- Facility construction activities as required
- Other items required for IOC

Deliverable:

A. Site-readiness checklist

5.4 IOC PLANNING AND DEPLOYMENT

The Contractor shall execute IOC deployment-related tasks defined in the following strategies and plans developed under the EHRM Project Management, Planning, Strategy and Pre-IOC Task Order (PM TO1).

a) PM TO1 paragraph 5.3.2: Change Management Strategy
b) PM TO1 paragraph 5.3.3: Training Strategy
c) PM TO1 paragraph 5.3.4: Stakeholder Communication Strategy and Plan
d) PM TO1 paragraph 5.3.5: Workflow Development, Configuration and Normalization Plan
e) PM TO1 paragraph 5.3.6: Deployment Management Strategy
f) PM TO1 paragraph 5.3.7: Value Realization Strategy
g) PM TO1 paragraph 5.4.4: Identity and Access Management Plan
h) PM TO1 paragraph 5.4.7: Interoperability Plan
i) PM TO1 paragraph 5.4.8: Technical Requirements Management Plan
j) PM TO1 paragraph 5.4.9: Configuration Management Plan
k) PM TO1 paragraph 5.4.10: Master Test Plan
l) PM TO1 paragraph 5.4.11: Data Management Plan
m) PM TO1 paragraph 5.4.12: Cybersecurity Management Plan
n) PM TO1 paragraph 5.4.13: Implementation Management Plan

These Plans and Strategies are updated monthly by the Contractor as required by the PM TO. Additional activities added to these plans and strategies during the period of performance may be deemed by the parties to be outside of the originally contemplated scope of this Task Order, and may be coordinated with VA using Optional Task 5.11 below as required.

IOC Planning and Deployment includes all deployment site tasks required from initial executive briefing through configuration, testing, training, change management, deployment and transition to sustainment. Deployment of the EHRM solution shall comply with the Functional and Non-Functional Requirements Traceability Matrices appended to the IDIQ PWS. The Contractor shall conduct additional site reviews as required to fine-tune associated facility requirements.

The Contractor shall document all activities, status, issues and mitigations for this task and all of its subtasks in a Monthly Deployment Status report.

**Deliverable:**

A. Monthly Deployment Status Report

**5.4.1 VA SITE KICK-OFF**

The Contractor shall conduct VA local site kick-off activities which occur over a one to two week period. The Executive brief at each IOC site will communicate deployment goals, outcomes, implementation strategy, program methodology, governance and facility leadership expectations and introduce the Contractor and site project teams:

The Contractor shall:

a) Prepare a site kickoff agenda detailing attendees, timeframes and topics for VA review and approval. The Contractor shall coordinate the appropriate lead times for all Site Kick-Off activities with VA PM.

b) Coordinate an Executive Leadership Session

c) Complete the role assignment workshop and distribute role assignment education materials. Include role assignment status and issues in the Monthly Progress Report.

d) Conduct a full site kickoff (Full project team beyond executive officer staff) which includes a General Information Session

e) Begin the site-specific data collection and set expectations for any site staff homework

**Deliverables:**
A. Site kickoff agenda
B. Role assignment education materials

5.4.2 VALUE WORKSHOP

The Contractor shall work with site personnel to identify key value focus areas during deployment. The Contractor shall develop and obtain VA concurrence on value metrics, standards, reporting and timelines for evaluating the site EHRM deployment.

Deliverables:
A. Value metrics, standards, reporting and timelines

5.4.3 LOCAL ITERATIVE WORKFLOW WORKSHOPS

The Contractor shall conduct iterative workshops at each IOC site with site personnel by reviewing Cerner workflows as established by national EHR councils, general business processes and relevant clinical content to demonstrate enterprise functionality and localize site workflows as appropriate. The workshops leverage the data collected during site current state reviews, national EHR council workshops, commercial best practice and DoD workflows. The local iterative workshops occur separately over a multiweek sprints. The Contractor shall conduct a summary session during the last week of the sprint where local discrepancies are addressed and adjudicated.

The Contractor shall:

a) Provide high level agendas and schedules for IOC site iterative workshops at least 60 days prior to each workshop with detailed agendas and schedules provided at least 3 weeks in advance.
b) Provide a visual depiction of EHRM design
c) Review the commercial and VA defined workflows that will be utilized at the deployment site.
d) Review key cross department integrated workflows
e) Initiate critical thinking around what clinical workflows will look like in the future
f) Review gaps identified during current-state debrief and mitigation strategies
g) Continue data collection
h) Conduct the workshops with participants co-located for the first week in Kanas City or on-site and the remaining weeks will be done with remote conference calls
i) Provide users with hands-on exposure to the build
j) Hands on testing shall occur during the Iterative workshops to ensure the workflow meets the needs of the enterprise and the local sites
The Contractor shall:

   a) Demonstrate and document department-level workflows in the localized system with client participation
   b) Document workflow issues and propose mitigation strategies
   c) Get hands-on practical application of information acquired during clinical adoption
   d) Begin selection of integration validation script content
   e) Begin developing test scripts, incorporating value objectives where applicable

**Deliverables:**

   A. Workshop agendas
   B. Documented local workflows, issues and proposed mitigation
   C. First draft test scripts for each IOC site's Integration Validation

### 5.4.4 MAINTENANCE PREPARATION

The Contractor shall train the VA local IT staff and Biomed staff on local configuration, including all details on initial set up as well as configuration modifications, and all technical areas such as device connectivity and printer set up as part of site preparation for go-live. Preparation topics shall include but not be limited to:

   a) Maintenance Preparation Documentation on methods VA users will assist with the installation, configuration and preparation activities for the site
   b) Continuity of Operations (COOP) and Disaster Recovery (DR) during go-live
   c) Onsite instruction of local biomed and IT staff on local configuration, e.g. device connectivity, printer, scanner and other connected hardware setup
   d) Definition of maintenance request process prior to and during go-live
   e) Documentation of Site Sustainment Support Process post-go live and how maintenance requests are handled and by whom (Contractor or local staff)
   f) Clinical areas included in maintenance preparation; preparation for high impact IOC items such as preparing local scheduling and surgery personnel on creation and maintaining commonly updated high impact go-live cutover items such as scheduling templates and preference cards.

**Deliverables:**

   A. Maintenance Preparation documentation
   B. Sustainment Site Support Process

### 5.4.5 EHRM SITE TRAINING

The Contractor shall conduct site-specific workflow focused user training in accordance with PM TO1 paragraph 5.3.3: Training Strategy including hands on computer courses,
interactive classroom instruction and system access for independent practice before go-live. Site-specific training shall be tailored to focus on the localized EHRM modules, workflows, and system build to be deployed at each site. Training shall cover technical, role-based system navigation and use, role-based workflows and informatics topics. The Contractor shall:

a) Offer computer-based training (CBT) courses prior to instructor-led training (ILT). These courses will be assigned to each user based on his or her new role in the system. The Contractor shall track and report on CBT usage and completion statistics.

b) Provide trainers to host the ILT at the facility or at an off-site location if facility space is not available.

c) Provide Cerner certified trainers including a training manager for each site:
   i. Training managers and certification trainers shall have a minimum of 12 months Cerner training experience
   ii. On-site trainers shall have prior EHR implementation experience and Cerner certification training
   iii. Cerner certification training shall include familiarization with VA-specific workflows and structure.

d) Provide technical and workflow trainer and super user training to focus on the EHRM and address common mistakes. Super user training shall:
   i. Provide an in-depth understanding of system functionality in the context of department and user group workflows
   ii. Provide users with the means to continue independent practice
   iii. Include change management topics and guidance for assisting peers with change

e) Provide a network of adoption resources and just-in-time training resources for on-the-job support during testing events and go-live.

f) Provide contextual job aids, tip sheets and other readily available reference documentation for testing, training and go-live events. Provide printed training materials for IOC End-users including Participant Guides, Self-paced Playbook Activities, Reference Guides, and Tip Sheets.

g) Provide extensive training and on-site support to ensure efficient and controlled role assignments coordinated with VA clinical staff.

h) Support the use of VA Mockups of the medical operational environment (e.g. sim labs/learning centers) in which end users will interact with EHRM to be used for training and other end user engagement activities.

i) Work closely with VA EHRM resources to determine which facility/site test data within non-production/domains would be used in support of the VA Mockups environment particularly which facility/site the medical devices in the VA Mockup operational environment would be setup against.

j) Provide tailored, Site-Specific EHRM training materials to the VA Education Group to be loaded in the VA–approved training system. Training materials shall be refreshed on a quarterly basis to reflect EHRM updates where appropriate.

k) Provide off-site training facilities where space is limited at VA deployment site.
The Contractor shall provide training on HealtheIntent functionality for IOC to the appropriate end-user community.

The Contractor shall include a monthly Training Status Report in the Monthly Deployment Status Report, including a description of training status, issues, tailoring of training materials to reflect the site-specific implementation, ILT participant and instructor guides, super user training materials, training user assessments and answer keys, and recommended process and status for remedial training.

5.4.6 SITE DEPLOYMENT ACTIVITIES

The Contractor shall perform the site deployment activities required to prepare for go-live of the EHRM system as described in the updated Cerner Deployment Playbook. The playbook shall provide a detailed cutover plan detailing the technical and operational tasks to prepare and cutover to site go-live to include technical and personnel requirements. Activities identified include, but are not limited to, those outlined below.

Medication Scanning

The Contractor shall support the VA hospital pharmacies to prepare for go live and ongoing maintenance by scanning all medications on formulary, non-formulary and supplies considered to be part of the pharmacy inventory (i.e. adult diapers) before conversion.

The Contractor shall assist the VA Super Users and medication administration resources, pharmacy subject matter experts and local IT resources to scan medications and verify that they are stacked correctly in the formulary, and check all medications, including those in: Pharmacy shelves, Narcotics vault (this may require pharmacy staff supervision), IV room, Automated dispensing machines, Central supply, any other holding area that can be given to patients, such as radiology and surgery. The Contractor shall reference the VA Drug File as input to ensure capture of medications that are out of stock at the time of conversion.

The Contractor shall ensure that all pharmacy device integration is complete prior to go-live.

Schedule backloading

The Contractor will work with the site to determine the estimated timing of the backload and provide onsite support staff to assist VA Super Users in entering scheduled
appointments needed in EHRM for go-live and beyond for inpatient and clinic schedules.

**Lab Quality Control**

The Contractor shall assist VA to run individual lab tests through the proper quality control process to help ensure analyzers are fully integrated and lab tests produce correct normal and abnormal results and indicators.

**Hardware rollout**

The Contractor shall monitor the status of local IT and facility teams’ placement, connection and testing of any new hardware or related infrastructure required for the deployment. This hardware will include such items as label printers, signature pads, monitors and electrical drops.

**User Configuration and Learning lab**

The Contractor shall support events supporting user configuration. These sessions shall enable all end users to:

a) log into the system, change their passwords, synchronize with single sign on (SSO).

b) create their patient lists, customize order creation.

c) address other personalization options, e.g., PowerChart views and preferences.

d) verify their credentials are appropriate.

e) utilize the Learning Lab to try out system features.

**Deliverable:**

A. Revised Cerner Deployment Playbook with detailed activities/tasks

**5.5 TEST AND EVALUATION - DEPLOYMENT**

**5.5.1 SITE DEPLOYMENT PRE-PRODUCTION TESTS**

As part of the Site Deployment Activities, the site deployment pre-production testing component will be executed by the Contractor. The site deployment pre-production test component consists of testing events that are in preparation for installation/go-live into production at VAMCs and its treating facilities.

Test events include, but are not limited to integration validation, medical device interface testing, and mock go-live testing. Integration Validation test events include system and
integration tests by VA users of the EHRM system at the site and its associated facilities being deployed. Mock go live testing is an EHRM contractor led test event executed at the IOC sites by site users to simulate patient flow and test new documentation practices using patient scenarios.

The EHRM Contractor Master Test Plan provides detailed site deployment pre-production test event information as outlined in the detailed EHRM Cerner VA Deployment Playbook. The site deployment pre-production test will incorporate an end-to-end testing approach and system tests. The mock go-live test events in this component serve as the end-to-end system integration test.

The Contractor shall perform testing per the Master Test Plan including system, integration, and end to end testing. A system test consists of a single workflow and system use case that is based on patient or workflow scenarios that validate departmental design decisions and key workflows. Integration tests validate the interaction of multiple applications and foreign systems based on integrated (day-in-the-life) patient scenarios and test the entire patient stay from scheduling to billing. Integration testing has a specific focus on key interactions between different solutions, devices, and interfaces. Testing conducted under the Test and Evaluation Program Plan shall include specific workflows to inform a demonstration of end-to-end clinical use cases involving external stakeholders.

The Contractor shall:

a) Develop the test scenarios, test cases, and test scripts in collaboration with EHRM TE resources and the CMO test liaisons.

b) Provide to EHRM TE and place under configuration control the Testing Artifacts such as test scenarios, test cases as defined in the EHRM Test and Evaluation Plan.

c) Meet testing entrance criteria for site preproduction deployment testing which is defined in the EHRM Test Evaluation Program Plan including (1) successfully smoke test by the EHRM contractor of capabilities and configuration build of the EHRM product suite within the non-production environment ("Build" or "INT" domain) where the tests will be executed, (2) test artifacts such as test scripts are placed under configuration control, (3) training needed for testing resources has been completed, (4) test data required for test execution is available, (5) user access and position/roles have been assigned for testing resources.

d) Execute Contractor Master Test and Evaluation Plan conducting the tests and evaluations as described in the plan throughout IOC deployment, including the execution of the user test events at the site by VAMC/treating facility personnel with management by the contractor and oversight of the EHRM TE program.

e) Provide Contractor Test Report of Findings/Test Analysis Report before Go-Live Readiness Assessment. The Report of findings/Test Analysis Report summarizes the results of the contractor led site testing activities such as
integration validation, mock go live tests, medical device testing etc. Evidence of completing test cases is documented and placed under configuration control.

f) Resolve all open severity 1 and severity 2 findings for the Contractor EHRM suite of products before go-live at the site or have a plan of action for resolution that has been approved by EHRM Program Executive Office. Severity and priority definitions are defined in the EHRM Test Evaluation Program Plan.

The Contractor shall document all activities, status, issues and mitigations for this task in a Monthly Testing Status report.

Deliverable:

A. Contractor Testing Artifacts
B. Test Report of Findings/Test Analysis Report
C. Monthly Testing Status Report

5.5.2 EHRM TEST EVALUATION SUPPORT

Concurrently with the site deployment activities, the EHRM TE resources and the user community resources identified by the EHRM Program office are executing the IOC test components outlined in the Test Evaluation Program Plan for Enterprise Test & Enterprise User test.

The Contractor shall:

a) Provide support services for the VA test & evaluation test components/events including items such as participation in test and evaluations defect/issues process, assistance in troubleshooting/triaging, jointly troubleshooting issues that appear to be development/test environment related, responding to findings from test and evaluation activities.

b) Support readiness reviews such as test readiness review as required by VA and shall compile data for VA submission for readiness and respond to request for changes resulting from those reviews as necessary.

c) Support compliance reviews such as Section 508 Audit by VA and shall compile data for VA submission compliance reviews and respond to request for changes resulting from those reviews as necessary.

d) Provide support to VA resources in the creation and provision of test data for test events executed. Test data creation and provision within the EHRM system for contractor test events will be provided by the contractor.

e) Provide user/superuser training and other training identified as required for the VA Test and Evaluation government and contract resources (which can include subject matter experts/members of the user community) to successfully execute test and evaluation activities as early as possible in the EHRM baseline preparation and wave planning deployment timelines. To the maximum extent
possible, Contractor shall leverage MHS Genesis training materials that are applicable in areas such as EHRM system functionality common to VA and DoD to provide training as early as possible.

f) Provide an overview and demo of the Contractor’s Domains/Environments and Configuration Tools to the Test and Evaluation resources. Presentation will describe the tools, processes and procedures used to configure and interface/integrate to the EHRM. Any overview materials will be provided to VA.

The Contractor shall document all activities, status, issues and mitigations for this task in the Monthly Testing Status report provided in task 5.5.1.

5.6 PRE-DEPLOYMENT TRAINING

The Contractor shall execute training tasks and tailor training methodologies to the deployment environment and workflows that will meet the needs of IOC end-users. Training methodologies may include: instructor-led classroom, Computer Based Training (CBT), and over-the-shoulder training.

The Contractor shall be responsible for providing training to the medical facilities’ trainers, as well as, end-users (functional, technical, and administrative) in accordance with the VA-approved Training Strategy. “Train-the-trainer” (T3) training will include clinical champions, super users, and local trainers. Site-specific training timeframes will be tailored to facility requirements.

The Contractor shall:

a) Propose a training schedule for VA review and approval
b) Customize the national training playbook for site-specific requirements.

c) Provide EHRM training to end-users including but not limited to the following personnel: functional, technical, administrative, and help desk staff
d) Ensure EHRM end-users and trainers obtain the skill sets necessary to utilize EHRM and incorporate it into their daily workflows
e) Validate adequacy of training facilities and resources to meet site training requirements (e.g. computers, printers, projectors, connectivity, etc.) and provide alternate training facilities and/or resources as required
f) Update EHRM Training Materials to reflect site-specific workflows in preparation for training support and change management
g) Deliver role-based training based on the Role-Tailored Course Curriculum delivered in the Functional Baseline Design and Development Task Order.
   a. Conduct detailed role mapping workshops/exercises to provision roles to VA users.
   b. Conduct specific training to VA on Cerner roles and the role mapping process
h) Plan, develop and execute multi-platform training strategies including: instructor-led classroom, CBT, and over-the-shoulder training to ensure preparation and facilitate adoption of EHRM functionality
i) Provide an optional certification training program to VA training staff (trainers/education) that will enable the VA to train and certify VA trainers/end users in the EHRM training content provided by the Contractor

j) Provide enhanced training to super users and clinical champions

k) Administer competency tests and conduct User Experience Satisfaction Surveys in accordance with the Training Materials. Report the percentage of users who have passed the competency test and summary of User Experience Satisfaction Surveys in the Monthly Deployment Status Report

l) At the request of VA leadership, update the site training schedule to accommodate Government approved changes.

5.7 GO LIVE READINESS ASSESSMENT AND DEPLOYMENT/RELEASE

The Contractor shall conduct a Go Live Readiness Assessment to help ensure facility readiness. The GLRA shall review, identify and mitigate the individual site’s risks and issues requiring resolution prior to go live. After identification of the risks, the Contractor will address the issues until resolution. The Contractor shall create a Cut-Over Checklist identifying all tasks, responsibilities and timeframes for go-live. The Contractor shall provide an Onsite Contractor Support staffing plan for the go-live period, and identify VA support required to support go-live activities.

The Contractor shall:

a) Identify risks and areas of weakness that could prevent go-live
b) Help ensure mitigation plans are in place to address any concerns
c) deliver a system status and a mitigation plan for outstanding GLRA items
d) track risks and issues to closure/mitigation thru recurring meetings/calls; document issues in a Daily Issue summary throughout the go-live period.
e) provide an introduction of the sustainment process following go-live to the deployment site for VA review and approval.

The Contractor shall conduct a Pre-Go-Live Review following the VIP process with site stakeholders outlining the status of pre-deployment activities, and the tasks, responsibilities and support required from VA during go-live. Following the Review, the Contractor shall obtain official VA Go-Live Authorization by obtaining approvals from the key stakeholders including:

a) VA test lead
b) VA deployment manager
c) Site clinical lead
d) Facility engineering lead
e) Training completed

**Deliverable:**

A. Cut over checklist  
B. Onsite Contractor Support staffing plan  

### 5.8 GO LIVE EVENT

The Contractor shall conduct go-live activities following Cerner commercial practice tailored to VA site requirements. Go live activities shall include items specific to VA including:

a) Production migration of HealtheIntent data to Millennium for deployment sites.  
b) Production release of Cerner-developed interfaces/ changes to VA-owned applications required for IOC go-live  
c) Production release of VistA deprecation/sunsetting code required for IOC  
d) Production release of national and local registries for IOC  
e) Production release of national and local reports for IOC  
f) Production release of national and local analytic/telehealth capabilities for IOC  
g) Deployment of Cerner application to deployment site end-user device

The Contractor shall document go live status, open issues, issues resolved and mitigations in a Daily Go Live Status Report. Go Live trouble tickets/activity reports shall be reviewed with VA to reach a joint decision on when the Go Live activities are complete and the Post-Deployment Support period is initiated.

**Deliverable:**

A. Daily Go-Live Status Report

### 5.9 POST-PRODUCTION HEALTH CHECK AND DEPLOYMENT COMPLETION

The Contractor shall document deployment activities and results to support joint VA/Cerner agreement on successful deployment completion. These documents shall be compiled in Deployment Completion Documentation including:

a) An onsite health check/performance check. Using data analytics and end-user feedback, the Contractor Value team shall perform an assessment of the project’s tactical and strategic outcomes. The assessment identifies
successes and those areas in need of further attention and provides recommendations on next steps towards improvements. Site Key Performance indicators (KPI) will be reviewed with site executive leadership and the Contractor will make recommendations on mitigations to address improvement areas and potential adjusted or new KPIs for further improvements to Veteran care

b) Lessons learned for inclusion in future deployments; updated deployment plans and schedules to incorporate lessons learned.

c) Statistics on training results, user adoption, monthly user satisfaction surveys

d) Documentation on successful completion of technical and functional end-user and super user training for all modules implemented during deployment.

e) Validation that super-user and end-user’s competency, confidence and satisfaction targets were achieved

f) Number and analysis of outstanding trouble tickets with trend identification and plans for resolution. Validation that severity 1 and severity 2 trouble tickets have been successfully resolved.

g) Post-deployment performance measurement/analysis of results and plans for improvement

h) Validation that VA pre-defined and approved Key Performance Indicator (KPI) metrics meet acceptable levels

i) Documentation that all functional and non-functional requirements for IOC have been met.

j) Validation of the following:

1. Value objectives are trending toward goals
2. Performance and operational metrics are trending positively and that no unresolved significant solution issues remain
3. Technical and functional issues, training, and change management are being managed effectively

The Contractor shall document VA review and approval of the Deployment Completion Documentation by obtaining sign-off from:

a) VA Deployment Manager
b) VAMC Director
c) Facility OI&T field representative
d) Facility site and engineering manager
e) Site Training manager
f) VISN Director
g) OEHRM CMO or designee
h) OEHRM CTO or designee

On-site support provided by the Contractor shall continue until the Certification of Deployment Completion has been signed by all parties and approved by the VA Deployment TO PM. The Certification of Deployment Completion signals approval for Cerner to transition from the deployment gateways to sustenance mode.

Deliverable:
5.10 POST-DEPLOYMENT SUPPORT

The Contractor shall provide Post Go-Live On-Site Support (OSS) activities for at least 90 days at the IOC site and/or until the Certificate of Deployment Completion described in PWS task 5.9 is signed. Post Go-Live support activities include, but are not limited to, providing 24/7 over-the-shoulder support, troubleshooting system issues, and assisting end-users with workflow support by continued mapping and gapping the new business processes. The Contractor shall provide detailed LightsOn training to leaders across the sites to provide VAMC staff with the ability to continue efforts towards ongoing adoption and training.

The Contractor shall also provide 24x7x365 Post Go-Live support remotely via the Millennium Service Desk (MSD) and Application Management (AMS) to assist with basic resolution, troubleshooting and configuration as it relates to the Contractor solutions being provided. The Contractor shall document issues and resolution status in a Daily Issue Summary to be reviewed with the VA deployment team daily throughout the Post-Deployment period.

Deliverable:

A. Daily Issue summary for post-deployment period

5.11 CONTINUED DEPLOYMENT DECISION SUPPORT

The Contractor shall support VA in determining EHRM viability for continued deployment by analyzing work that should be completed prior to additional deployments and documenting that analysis in a Continued Deployment Decision Document. This document shall include the identification of system fixes/enhancements that should be completed prior to additional deployments, as well as changes to training/change management/deployment processes needed to streamline future deployments. Based on the IOC completion decision documentation provided in Task 5.7 above, the Contractor shall review and document the following:

a) Open items requiring resolution prior to a continued deployment decision.

b) Lessons learned during IOC deployment to identify remedial work required before the full-deployment decision is made,

c) Post IOC functional, non-functional, and Innovation backlog review to identify any development activities required prior to continued deployment.

Deliverable:
A. Continued Deployment Decision Document

5.12 ADDITIONAL TECHNICAL SUPPORT (OPTIONAL TASK)

Throughout the PoP, there may be additional deployment activities identified requiring analysis, design, development, testing, release and/or deployment. This additional technical support may be required within the overall PWS PoP to include the base and option period. This optional task may be exercised multiple times during the base and option period up to the established CLIN ceiling, which will consist of negotiated labor categories and hours established at the Task Order level. Optional tasks executed through the below process will exercise labor categories and hours from the established ceiling.

VA may exercise the optional task upon written notification from the Contracting Officer. This option may be utilized to obtain tasks as described in PWS sections 5.2 through 5.11. VA will provide a description of the required functionality. The Contractor shall provide VA with a written proposal detailing the approach and resources utilizing the negotiated ID/IQ labor categories and rates from. VA will perform an analysis to determine if the approach and technical and price proposed are reasonable. The price for each optional task shall be negotiated on a FFP basis prior to each exercise of the optional task.

6.0 GENERAL REQUIREMENTS

6.1 PERFORMANCE METRICS

The table below defines the Performance Standards and Acceptable Levels of Performance associated with this effort. The Government may also utilize the commercially available and VA-specific Key Performance Indicators (KPIs) and Service Level Agreements (SLAs) defined at the ID/IQ level to measure performance under this TO, as applicable.

<table>
<thead>
<tr>
<th>Performance Objective</th>
<th>Performance Standard</th>
<th>Acceptable Levels of Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Technical / Quality of Product or Service</td>
<td>1. Shows understanding of requirements</td>
<td>Satisfactory or higher</td>
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<td></td>
<td>2. Efficient and effective in meeting requirements</td>
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<td></td>
<td>3. Meets technical needs and mission requirements</td>
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<td></td>
<td>4. Provides quality services/products</td>
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<td></td>
<td>5. Meets performance thresholds/metrics defined in applicable</td>
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<tr>
<td>Performance Objective</td>
<td>Performance Standard</td>
<td>Acceptable Levels of Performance</td>
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<tr>
<td></td>
<td>Service Level Agreements</td>
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<tr>
<td>6.</td>
<td>All user roles are assigned in advance of IOC go-live</td>
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<tr>
<td>7.</td>
<td>All users have validated ability to access appropriate role-based functions in advance of IOC go-live</td>
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<td>8.</td>
<td>Capacity requirements validated to support IOC usage requirements</td>
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<td>9.</td>
<td>Meets ticket/issue resolution response times based upon severity level defined at the ID/IQ level and EHRM Test Evaluation Program Plan</td>
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<tr>
<td>10.</td>
<td>Ticket numbers and severity trending downwards at completion of Post-Deployment Support period</td>
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<tr>
<td>11.</td>
<td>Super users trained in each clinical area to provide ongoing support after deployment completed.</td>
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<tr>
<td>12.</td>
<td>Validation of training completion and mitigation of training issues.</td>
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</tr>
<tr>
<td>B. Project Milestones and Schedule</td>
<td>1. Quick response capability</td>
<td>Satisfactory or higher</td>
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<tr>
<td></td>
<td>2. Products completed, reviewed, delivered in accordance with the established schedule</td>
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<td></td>
<td>3. Notifies customer in advance of potential problems</td>
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<tr>
<td>C. Price &amp; Staffing</td>
<td>1. Currency of expertise and staffing levels appropriate</td>
<td>Satisfactory or higher</td>
</tr>
<tr>
<td></td>
<td>2. Personnel possess necessary knowledge,</td>
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</table>
### Performance Objective

<table>
<thead>
<tr>
<th>Performance Objective</th>
<th>Performance Standard</th>
<th>Acceptable Levels of Performance</th>
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<tbody>
<tr>
<td></td>
<td>skills and abilities to perform tasks</td>
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<tr>
<td></td>
<td>3. 100% of training staff have a comprehensive understanding of the Cerner solution and competency level required to adequately train end-users</td>
<td></td>
</tr>
<tr>
<td>D. Management</td>
<td>1. Integration and coordination of all activities to execute effort</td>
<td>Satisfactory or higher</td>
</tr>
</tbody>
</table>

The COR will utilize a QASP throughout the life of the TO to ensure that the Contractor is performing the services required by this PWS in an acceptable level of performance. The Government reserves the right to alter or change the QASP at its own discretion. A Performance Based Service Assessment will be used by the COR in accordance with the QASP to assess Contractor performance.

#### 6.2 SECTION 508 –INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) STANDARDS

All requirements in Sections 8.10, including subparagraphs, of the EHRM Basic PWS apply to this effort. Deliverable requirements are further defined in the following subparagraphs. The Contractor shall comply with the technical standards at: [https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/single-file-version](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/single-file-version)

#### 6.2.1 REPRESENTATION OF CONFORMANCE

The Contractor shall provide a Section 508 Subject Matter Expert lead for VA EHRM 508 resources to work with. The Contractor shall adhere to the VA-approved Section 508 Test and Delivery Plan and Section 508 Accessibility Roadmap delivered under TO 0002. The Contractor shall update the Government Product Accessibility Template (GPAT) and/or Voluntary Product Accessibility Template (VPAT) delivered under TO 0002 to indicate the level of Section 508 conformance as updates are made to its products and/or services to ensure and sustain 508 compliance.

The Contractor shall work closely with VA Section 508 representatives to verify Section 508 conformance of its products and/or services.
6.2.2 ACCEPTANCE AND ACCEPTANCE TESTING

The Contractor shall provide Final Section 508 Compliance Test Results. The Section 508 Test Results shall include a GPAT/VPAT Conformance Statement validating conformance to Section 508 Refresh Success Criteria and Conformance Requirements for already-developed ICT deliverables.

The Final Section 508 Test Results shall be reviewed and approved by VA Section 508 representatives to validate conformance to Section 508 Refresh Success Criteria and Conformance Requirements for ICT deliverables.

For software development for VA interfaces/systems, the Contractor shall prepare and submit a Section 508 Conformance Validation Package with content as outlined in VA Process Asset Library, Software Development Product Build process map.

The Section 508 Conformance Validation Package shall be reviewed and approved by VA Section 508 representatives to validate conformance to Section 508 Refresh Success Criteria and Conformance Requirements for ICT deliverables.

Automated test tools, manual techniques, and checklists are used in the VA Section 508 compliance assessment.

**Deliverable:**
A. Final Section 508 Compliance Test Results for ICT Deliverables
B. Section 508 Compliance Validation Package for ICT Deliverables

6.3 SHIPMENT OF HARDWARE OR EQUIPMENT

Shipment of Cerner-provided hardware shall be coordinated with the VA COR prior to shipment date.

6.4 ORGANIZATIONAL CONFLICT OF INTEREST

All functions related to Acquisition Support shall be on an advisory basis only. Please be advised that since the awardee of this Task Order will provide systems engineering, technical direction, specifications, work statements, and evaluation services, some restrictions on future activities of the awardee may be required in accordance with FAR 9.5 and the clause entitled, Organizational Conflict of Interest, found in Section H of the EHRM basic contract. The Contractor and its employees, as appropriate, shall adhere to the corporate-level Non-Disclosure Agreement signed under TO 0001.
CONTRACTOR EMPLOYEE
PERSONAL FINANCIAL INTEREST/PROTECTION OF SENSITIVE INFORMATION AGREEMENT

This Agreement refers to Contract/Order _____________________ entered into between the Department of Veterans Affairs and ____________________ (Contractor).

As an employee of the aforementioned Contractor, I understand that in connection with my involvement in the support of the above-referenced Contract/Order, I may receive or have access to certain “sensitive information” relating to said Contract/Order, and/or may be called upon to perform services which could have a potential impact on the financial interests of other companies, businesses or corporate entities. I hereby agree that I will not discuss or otherwise disclose (except as may be legally or contractually required) any such “sensitive information” maintained by the Department of Veterans Affairs or by others on behalf of the Department of Veterans Affairs, to any person, including personnel in my own organization, not authorized to receive such information.

“Sensitive information” includes:

(a) Information provided to the Contractor or the Government that would be competitively useful on current or future related procurements; or

(b) Is considered source selection information or bid and proposal information as defined in FAR 2.101, and FAR 3.104-4; or

(c) Contains (1) information about a Contractor’s pricing, rates, costs, schedule, or contract performance; or (2) the Government’s analysis of that information; or

(d) Program information relating to current or estimated budgets, schedules or other financial information relating to the program office; or

(e) Is properly marked as source selection information or any similar markings.

Should “sensitive information” be provided to me under this Contract/Order, I agree not to discuss or disclose such information with/to any individual not authorized to receive such information. If there is any uncertainty as to whether the disclosed information comprises “sensitive information”, I will request my employer to request a determination in writing from the Department of Veterans Affairs Contracting Officer as to the need to protect this information from disclosure.

I will promptly notify my employer if, during my participation in the subject Contract/Order, I am assigned any duties that could affect the interests of a company, business or corporate entity in which either I, my spouse or minor children, or any member of my immediate family/household has a personal financial interest. “Financial interest” is defined as compensation for employment in the form of wages, salaries, commissions, professional fees, or fees for business referrals, or any financial
investments in the business in the form of direct stocks or bond ownership, or partnership interest (excluding non-directed retirement or other mutual fund investments). In the event that, at a later date, I acquire actual knowledge of such an interest or my employer becomes involved in proposing for a solicitation resulting from the work under this Contract/Order, as either an offeror, an advisor to an offeror, or as a Subcontractor to an offeror, I will promptly notify my employer. I understand this may disqualify me from any further involvement with this Contract/Order, as agreed upon between the Department of Veterans Affairs and my company.

Among the possible consequences, I understand that violation of any of the above conditions/requirements may result in my immediate disqualification or termination from working on this Contract/Order pending legal and contractual review.

I further understand and agree that all Confidential, Proprietary and/or Sensitive Information shall be retained, disseminated, released, and destroyed in accordance with the requirements of law and applicable Federal or Department of Veterans Affairs directives, regulations, instructions, policies and guidance.

This Agreement shall be interpreted under and in conformance with the laws of the United States.

I agree to the Terms of this Agreement and certify that I have read and understand the above Agreement. I further certify that the statements made herein are true and correct.

_________________________________________  __________________________________________
Signature and Date                                  Company

_________________________________________
Printed Name                                         Phone Number