Global Combat Support System-Marine Corps (GCSS-MC) PDSS

Small Business Conference
Fredericksburg Conf Center

December 14, 2011
Andrew Dwyer
Program Manager
GCSS-MC
**GCSS-MC Block 1 Program Overview**

**Program Description**

*Primary technology enabler for Marine Corps LogMod strategy.*

*Portfolio of legacy and modern logistics apps providing MAGTF Supply/Maintenance functionality. Core is modern, COTS enterprise resource planning software (Oracle 11i e-Business Suite). Enables Marines to operate while deployed with reachback from the battlefield.*

*Being implemented in increments. Increment 1 replaces 40-year old legacy supply and maintenance IT systems. Future increments will enhance capabilities in Warehousing, Distribution, Logistics Planning, Decision Support, Depot Maintenance, and Integration to improve asset visibility.*

- **Full Deployment retires 4 Legacy Systems**

**APB Milestones**

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Block 1 Baseline</th>
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<td>Objective</td>
<td>Threshold</td>
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<td>Milestone A</td>
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<td>Jul 2013</td>
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**Increment 1 Architecture**

**Increment 1 Deliverables**

- **Full Deployment Finish (FD)**

*APB - Approved 29 Apr 2010*  
*Denotes actual date achieved*
Increment 1 Capabilities

Functional Logistics

- Request Management
- Supply
- Maintenance
- Financial
- System Administration
Request Management

- Request and track status of products and services
- Route, coordinate, task and track orders through fulfillment
Supply

- Plan what is held, quantity, where and set reorder points
- Plan and forecast consumption of products & services
- Manage inventory capacity, resources and control
- Manage inventory operations
- Receipt and processing for warehouse operations
- Asset management
- Customer order Management
- Distribution operation management
Maintenance

- Planning
- Capacity
- Operations
- Scheduling
- Fulfillment
Capture costs and other financial data related to inventory and asset values required to obtain a clean audit opinion
Customer planning based on consumption of services

Task Organization
- Ability to maintain a task organization specifying which units are supported by which service providers. Allows task organizations to define how requests are routed and data synchronized among multiple deployed capabilities. Administrators and managers with permission can define and modify task organizations. The system also performs Capital Asset accountability tasks.

Workflow management, business rules and processes
GCSS-MC Capabilities

- Request for Services, Maintenance, Supplies
- Real time validated information
- Asset status and availability
- Warranty tracking and management
- Ownership and transfer of assets
- Replenishment of supplies
- Proactive and reactive maintenance
- Maintenance history
- Approval and funds checking
- Effective management of resources
- Escalation of requests
- Operating Systems, IA, Security, etc.
- Hardware (Servers, Databases, etc.)

Increment 1 Capability

Task Organization

Release 1.1

Release 1.2

Data Package and Push Data Synchronization
Total Force Implementation (Release 1.1) Timeline

Total # Units: 614

- End Oracle Contract: October 2012
- First II MEF Units: 17 Oct 2011
- Additional I MEF Units: 17 Oct 2011
- Both MEFs, LogCom, MarForRes & Supporting Establishment: 17 Nov 2011
- Waves: III MEF Completed June 2011
- Start Date Mar, 2010
- End Date Dec, 2012

- Total # Units: 614
- ~22,000 Users: Total = (35,158)
- ~7,000 Users: Total to date = (13,116)
- 6,158 Users
- 28 Nov 2011
**Release 1.2 (Deployable)**

**Mission Statement**
To Enable a MAGTF to Use GCSS-MC Anywhere

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**Key Capabilities**

- Task Organization from Enterprise to GDC
- Deployed Access (Data Synchronization)
- Mobile Field Service (MFS) Computer Application
- (2) FSRs accompanies GDC (garrison & deployed)

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**Deployable Environment**

- GCSS-MC Deployable Cases (GDC)
  - Threshold – 7 / Objective – 11

- GCSS-MC Deployable Shelter (GDS)

* GCSS-MC LCM Inc 1 CPD v3.2 (JROCM 018-10) – 28 Jan 10

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**Operational Characteristics**

- GCSS-MC Deployable Cases (GDC)
  - 150 concurrent users
  - ~110 lbs per case; 660 lbs total
  - Two-man portable

- GCSS-MC Deployable Shelter (GDS)
  - 1500 concurrent users
  - Servers in ISO Certified Shelters

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**FSR = Field Service Representative**
Post-Deployment System Support Concept

Other Program Environments
- DISA Production
- DISA Non-Production
- DISA Development for Release 1.2
- Non-Production-development environment (GFE)
- GDC (MEU)
- Disaster Recovery (Future)
- Mobile Training Suites
- MCEITS Production (Future)
- MCEITS Non-Production (Future)
- Help Desk / Gov’t Ops Center (T)

User Sites
- Current Service Provider - Circuit Control Center (CCC)
- Future Sites for Hosting, Help Desk and GOC Support
Full and Open Competition, Performance based
- SOO will be provided with solicitation
  • PWS desired as part of proposal

All communications concerning the RFP and the solicitation must be directed to the Contracting Officer, David Berry

All Correspondence regarding this solicitation shall be submitted via email to “mcsc_isi@usmc.mil” and shall reference solicitation number M67854-12-R-4682

Best Value Evaluation Methodology
Solicitation Overview

- Contracting Strategy: Single IDIQ contract
  - 5 year ordering period
  - Minimum per annum: In RFP
  - Maximum per annum: In RFP
  - Flexibility to Issue multiple task orders as Performance Work Statements
  - Flexibility with task order type

- Small Business Target: 25%
Notional Schedule

- Solicitation Issued December 2011
- Proposals due January 2012
- Contract Award April 2012
GCSS Program Support

- Programmatic Support
- Technical Management Support
- Configuration Management Control
- GCSS-MC users supported by a layered infrastructure

- Upon categorization and prioritization user problems are dispersed for resolution to specialized skill based support tiers

- The following (5) levels or “Tiers” make up the GCSS-MC supporting infrastructure within the GCSS-MC Enterprise Service Desk
What is PDSS?

PDSS Program Transition To GCSS-MC Increment 1

- All necessary maintenance and sustainment activities for the GCSS-MC system in production

- Sustainment activities include using a Failure Reporting, Analysis and Corrective Action System (FRACAS) program, configuration management processes, and sustainment plan

- Service Desk:
  - 365 by 24x7 Service Desk operations supporting Tiers 0-3
  - Tier 1 is 24x7 / 365 - FFP
  - Tier 2 and Tier 3 – FFP and will require scheduling adjustments commensurate with similar large scale ITSM efforts
GCSS-MC PDSS Includes:
- GCSS-MC Deployable Cases (GDC)
- Systems Development Environment (SDE)
- Application Availability of Production Support System (PSS) DISA
- Application Availability of Deployment Support System (DSS) DISA
- Application Availability of Production System DISA

PDSS Team (contractor and government) will be organized per ITSM Model-using ITIL V3
Product Support Integrator

- GCSS-MC Block 1 in the process of conducting a Business Case Analysis to determine best Performance Based Logistics (PBL) Approach utilizing the following Total Life Cycle Systems Management metrics:
  - Operational Availability
  - Operational Reliability
  - Logistics Response Time
  - Cost per Unit Usage
  - Logistics Footprint

- The PDSS Contractor Shall serve as a PSI responsible for all environments within GCSS-MC (Enterprise and Deployable Systems)
  - Warranty Management
  - Maintain accuracy of Technical Publications
  - The following Working groups are established within the PMO and must continue to be supported through PDSS
    - ESOH
    - RAM
    - HSI
    - DMSMS
  - Maintenance Support and GFE Management of Deployable Systems
The PDSS Contractor shall be responsible for:

- Management and DBA support for Training Deliver Devices:
  - Currently at MEFs, LogCom, and MFR PMO uses Mobile Training Suites
  - Future plans may dictate use of Regional TECOM and/or Enterprise training content devices
## GDC Physical Characteristics

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<th>H (inches)</th>
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<th>CUFT</th>
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### Operating Temperature
- 50° - 95° F

### Storage Temperature
- (-)4° to 122° F

### Power
- 2 x NEMAL L-20R, 20A, 120V

### Current Power Requirement
- 1127W/9.4A

### Future Power Requirement
- 1209W/11A
The GDC System, when deployed, shall be operational and available 24/7 to support deployed mission operational requirements of the Warfighter.

The contractor shall provide qualified FSR’s to support CONUS and OCONUS exercises in support of Marine Air Ground Task Force (MAGTF) Command Elements deploying from the Eastern and Western Continental United States as well as within the Western Pacific Islands of Hawaii and Japan where United States Military bases are stationed.

- System and Application Operation
- FSR Help Desk
- Software Installation
- Software Change Request (SCR)
- Configuration Management Control
- Metrics
- Application Software
**Ship Change**

- **SCD #5380:**
  - Installation of a support unit to hold six component cases and one (1) accessory spares case
    - One (1) shelf unit
    - Power and LAN Drops
  - Marines carry the system aboard in six (6) component cases / one (1) accessory spares case and Install/Operate/ Maintain (IOM) the system while afloat

*FSRs will deploy aboard ship with the MEU*
Critical function within GCSS-MC

- Information Operations that protect and defend information and information systems by ensuring their availability, integrity, confidentiality, authentication, and non-repudiation

Provides for restoration through capabilities

- Protection; Detection; Reaction

Mandated through legislation and guided by policy
Objective
– Aggressively pursue IA excellence
– Ensure GCSS-MC is always available to the Warfighter
– Information is protected from unauthorized disclosure and unauthorized modification

General requirements
– Provide expertise and services for:
  • Maintaining the GCSS-MC IA Program
  • Ensuring GCSS-MC meets all appropriate federal laws and regulation, DoD, CJCS, DON, and Marine Corps IA policy and guidance

End state
– Attain and maintain a USMC DAA accredited state
Background Investigation requirements

- Per DoDI 8500.2 and SECNAV Manual 5510.30
- Some are NACLC, others SSBI (Role Dependent)

In accordance with DoD 8570.1-M, Information Assurance Workforce Improvement Program, the contractor shall:

- Ensure personnel performing duties and services of this task meet the initial and continuing certification requirements associated with their responsibilities
- Must meet the certification requirements before starting work on the contract
Increment 1 Capabilities

Request Management

Maintenance

Supply

Financial

System Administration

Functional Logistics
Request Management

- Request and track status of **products and services**
- Route, coordinate, task and track orders through fulfillment
Supply

- Plan what is held, quantity, where and set reorder points
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Increment 1 Capability

Task Organization
GCSS-MC Operational Environments

Logical Logistics Information Flow

Expeditionary Network Environment - Tier 1
- MWSS Det
- Artillery REG HQ
- Tank BN Hq
- Tank BN CSB
- Support Point
- Logistics
- Contact Team
- ON THE PAUSE (OTP)
- GROUND COMBAT ELEMENT (GCE)

Expeditionary Network Environment - Tier 2
- CLC
- MWSS
- Artillery REG HQ
- Tank BN Hq
- Tank BN CSB
- Support Point
- Logistics
- Contact Team
- MAGTF (Ashore)

Naval Network Environment
- 2b
- LHD/LHA
- MEU Unit Afloat
- 2a
- MEU HQ
- MEU Ashore

Garrison Network Environment
- Garrison Organizations

Physical Logistics Information Flow

Network Characteristics
- Latency: High
- Bandwidth to GCSS-MC: Low
- Primary Available Network: SIPRNET

Network Characteristics
- Latency: Medium
- Bandwidth to GCSS-MC: Medium
- Primary Available Network: SIPRNET

Network Characteristics (Naval)
- Latency: Medium
- Bandwidth to GCSS-MC: Low
- Primary Available Network: NIPRNET
Total Force Implementation (Release 1.1) Timeline

Total # Units 614

- **Start Date**: Mar, 2010
- **End Date**: Dec, 2012
- **End Oracle Contract**: October 2012
- **~22,000 Users**: Total = (35,158)
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- **Waves: III MEF Completed June 2011**
- **Started I MEF**: 16 Sep 2011
- **~22,000 Users**: Total = (35,158)

**Notes**:
- Includes 30 OEF AACs when approved
- Start and End Dates for various implementation stages
Release 1.1 Operations

- Requires robust communications architecture
- Provides full set of GCSS-MC functionality
  - Enterprise-level shared data environment
  - Advanced Supply Chain Planning
  - Application Extensions (rich robust reports)
  - Task Organization
  - DISA managed services and systems support
  - Centralized Helpdesk and GCSS Operations Center
- Mobile Field Service (MFS) provides small subset of functionality for pre-loaded inventory from Enterprise
- Enterprise Configuration Control
- Enterprise Training packages
Release 1.2 Operations

- User still requires pathway to Enterprise or Deployed servers
- User transacts against Enterprise or Deployed but does not have choice to transact against either
- Provides limited shared data environment
- Many challenging operational scenarios
- Communications still a factor to reach Enterprise or Deployed servers
- Mobile Field Service (MFS) provides small subset of functionality for pre-loaded inventory from deployed servers
- Requires augmentation of Field Service Reps to support