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

Program Overview and Status

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Agenda

- Bottom Line Up Front
- GCSS-MC Program Overview
- Increment 1 Concept of Employment
- Current Increment 1 Schedule
- Release 1.1 Total Force Implementation
- Mobile Field Service (MFS)
- Release 1.2 Program Status
- Benefits
- Way Ahead
Release 1.1 “Enterprise” Implementation – remains on track
  - 58% complete (units); 69% complete (Users); Data Quality near flawless
Release 1.2 “Deployable Capability” executing revised testing schedule
  - Mobile Field Service (MFS) fielded to CLB 15 – Feedback is positive
  - Execution nearly complete (based on results from 24 April)
  - Resolving/Closing issues identified during test
  - Verification Correction of Deficiencies (VCD) target completion date is 4 May
  - Will take a couple weeks to review results
PDSS and Oracle R12 Upgrade Contracts in final stages for Release
  - Draft PDSS Statement of Objectives has been released to Industry

CLB = Combat Logistics Battalion

Continued Deployment + Rel 1.2 D/T + R12 + OEF + PDSS have challenged workforce & schedule
GCSS-MC Program Overview

Program Description

GCSS-MC is the primary technology enabler for the Marine Corps Logistics Modernization strategy and provides the backbone for all logistics information required by the Marine Air Ground Task Force (MAGTF). The core is modern, commercial-off-the-shelf enterprise resource planning software (Oracle 11i e-Business Suite). GCSS-MC's design is focused on enabling the warfighter to operate while deployed with reachback from the battlefield.

GCSS-MC is being implemented in Increments. Increment 1 replaces 40-year old legacy supply and maintenance information technology systems. The focus of future increments will be enhancing capabilities in the areas of warehousing, distribution, logistics planning, decision support, depot maintenance, and integration with emerging technologies to improve asset visibility.

Increment 1 Capabilities

GCSS-MC Increment 1 being delivered in 2 Releases

- Release 1.1:
  - Enterprise Server Suite; Helpdesk; Operations Center; Tiers 3 & 4
  - Fielded to OPFORS (MEFs) and LOGCOM
  - Licensing and training for up to 36,000 users
- Release 1.2:
  - Deployed Server Suites - fielded to MEFS for MAGTF use
  - Mobile Field Service Capability for disconnected operations
  - Provides Task Organization and Data Synchronization

GCSS-MC Provides:

- Single integrated supply/maintenance system
- Visibility / enhanced equipment accountability
- Near real time information to support decision making
- Deployable to austere environments
- Capability to work in disconnected environment

Increment 1 Architecture

Full Capability Activities

- Complete Increment 1 system rollout - FOC/FD in FY13.
- Increment 2 USMC Wide Supply Capability - Implements Wholesale & Retail Warehouse Mgmt and AIT/IUID, expands Increment 1 capability to the Supporting Establishment, & adds additional Classes of Supply in future increments
- Increment 3 Transportation/Distribution/In-transit Visibility - Focus on Planning the Modes, Links and Schedules of the Intra-Theater Trans. & Distribution System
- Increment 4 - Focus on Intermediate & Depot Maintenance for the Supporting Establishment. Effort
### Schedule Overview

#### GCSS-MC Industry Day Overview and Program Status v5

**Updated 21 Mar 2012**

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<td>Quarter</td>
<td>Q1</td>
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**GCSS-MC Schedule**

- **Increment 1 Baseline**
  - Field Enterprise Release to MEF & Selected I/II MEF Units
  - GCSS-MC Baseline - Sustainment / Enhancement / Modernize

**Future Increments Schedule**

- **Increment 2 - Warehouse Management**
  - Oracle E-Business Suite R12 Upgrade
  - Acq Milestone
  - Acq Decisions
  - Critical Patch Updates

- **Increment 3 - Inventory Management**
  - New Effort Wholesale/Warehouse/Transportation/Maint Planning

- **Increment 4**
  - Enterprise Maintenance Management

- **Increment 5**
  - LOG Chain Mgmt & Integration

**New Effort Wholesale/Warehouse/Transportation/Maint Planning**
**Increment 1**

**Concept of Employment**

**ENTERPRISE**

- Secure, Accredited Web-accessible Environment
- Real-time supply & maintenance functionality
- Centralized Enterprise-level Server Farm
- Today: DISA; Future: MCEITS

**Tiers**
- Client
- Application
- Database

**Release 1.1**

- + 365 day x 24 hour Helpdesk
- + GCSS Operations Center
- + ITIL V3 Tiered Support

**Release 1.2**

- Seven (7) T / Eleven (11) O
- Same Functionality as Enterprise Deployable Servers
- Support Deploying Marine Air Ground Task Forces (MEUs; MEBs; SPMAGTFs)

**Mobile Field Service (MFS) application**

**Tactical Edge**

- Core Supply & Maintenance functions (Local)

**Deployable**

**LHD Ship Alteration**

**MCEITS** = Marine Corps Enterprise IT Services
Current Status:
(15 April 2012)

- 306 units transitioned USMC wide (58%)

Fielding of Increment 1 sunsets four legacy systems in Dec 2012:
MIMMS, SASSY, PC-MIMMS, & ATLASS
Quick Reaction Assessment (QRA)

Background:
- MCOTEA executed initial QRA during Feb 2012 as directed by ACMC
- Units supporting testing:
  - III MEF (Okinawa)
  - USS Essex (tied to pier in Sasebo, JN)
  - 9th Comm Bn (Camp Pendleton)
- Result: Release 1.1 (Enterprise) provides deployable support with limitations

Where We Are:
- QRA II: Additional shipboard testing was conducted w/ II MEF (26th MEU)
  - Evaluation team embarked on 9 April in Norfolk / Disembarked in New Orleans on 17 April
  - Test Results expected to be reported by MCOTEA in May

Way Ahead:
- Results will inform / provide data on Enterprise support capability for Deployed units
Mobile Field Service (MFS) provides:

- Software loaded on laptop computer with streamlined GCSS-MC functionality (request for service, supply, or maintenance)
- Intended for use by small units, detachments and commodities
- Functions in high latency or disconnected environments
- Synchronizes with “Enterprise” or “Deployed” server via internet or export file

CLB-15 first unit fielded w/ MFS - conducting system shake out against Enterprise

- Marines really like the MFS capability
Integrated Developmental Testing end state

- Revised testing schedule on track
- Hardware built out tested
- Software configuration maturing

FOT&E – Follow-on Operational Test & Evaluation
FDD – Full Deployment Decision
# Benefits Being Realized + To Be Realized

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<tr>
<th>TACTICAL</th>
<th>OPERATIONAL</th>
<th>SERVICE LEVEL</th>
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<tbody>
<tr>
<td>More efficient and effective Logistics Chain</td>
<td>Inventory Cost</td>
<td>Clean Audit (FY-16)</td>
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<tr>
<td>▪ Improve metrics already realized</td>
<td>▪ Improved Cost Control (by Class &amp; Item)</td>
<td>▪ Asset Depreciation</td>
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<td></td>
<td>▪ Reduced Inventory Levels</td>
<td>▪ Accurate Inventory Valuation</td>
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<tr>
<td>Improved equipment readiness</td>
<td>Warranty Administration</td>
<td>Operations Analysis</td>
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<tr>
<td></td>
<td>▪ Cost Avoidance of unnecessary Equipment Repairs</td>
<td>▪ Historical Transactions</td>
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<tr>
<td>Increased asset accountability</td>
<td>AAOs</td>
<td>Enterprise Planning</td>
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<tr>
<td>▪ Serialized visibility</td>
<td>▪ Improved management of Equipment Approved Acquisition Objectives from TFMS</td>
<td>▪ Acquisition planning</td>
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<td>Near real time data in support of Commander’s decision cycle</td>
<td>Readiness Reporting</td>
<td>COTS Product Advantages</td>
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<tr>
<td></td>
<td>▪ Real-Time vice Batch</td>
<td>▪ Upgrade support</td>
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<tr>
<td></td>
<td>▪ Improved Reliability/Accuracy</td>
<td>▪ System Security Updates</td>
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Enterprise visibility of assets and expenditure rates improves planning, lightens the MAGTF and increases operational flexibility and responsiveness.
## PDSS Overview

### PDSS Responsibilities
- Enterprise NIPR, MEU, MEF, MTS Suites,
- Carpathia / Systems Development Environment (SDE) Oracle
  - Development and Contractor testing
- Government Acceptance Production Support System (PSS) DISA
  - Stage and Government Acceptance Testing (GAT)
- Application Availability of Deployment Support System (DSS) DISA
- Application Availability of Production System DISA
  - System Support (Tiers 0-4)
  - High availability for the Marines

### ITSM Model-using ITIL V3
- Utilizes enterprise level personnel as cross-matrixed support
- Allows for a structured way to manage and integrate personnel
- Uses best practices and is part of the DoD ITSM Strategy
- Provides for insight and oversight
- Services in GCSS-MC PDSS are framed within:
  - Strategy Support
  - Design Support
  - Transition Support
  - Operations Support
  - Continuous Service Improvement Support

## Service Support Model
- **GCSS-MC Users are supported by a layered infrastructure designed to optimize problem response times by proper categorization and prioritization of initial problems**

- **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**
  - **Tier (0) - Self Help**
  - **Tier (1) - Direct Customer Support**
  - **Tier (2) - Functional Application Support**
  - **Tier (3) - Database & Specialized Support**
  - **Tier (4) - External Support**
OEF Pilot Overview

Adds Warehouse Management, Automatic Identification and data capture capabilities to GCSS-MC/LCM Increment 1 for deployment in Afghanistan

Phased Implementation Strategy

- Phase I: Field GCSS-MC Release 1.1 (Enterprise Capability) at MCLC FWD (Camp Leatherneck, Afghanistan) ISO R4 (Summer 2012)
- Phase II
  - ALM/WMS Pilot Implementation at a CONUS MEF (1st Qtr FY13)
  - ALM/WMS Pilot Implementation in ISAF MAGTF (2nd Qtr FY13)
- Phase III: Implementation at ISAF MAGTF Using Units (Summer FY13)

All phases are condition based and event driven
GCSS-MC Benefits

- **Reduced Time To Receive Parts and Supplies**
  - 24% Order Ship Time reduction for intermediate supply for Okinawa since the beginning of FY2011

- **Improved Readiness**
  - 74% of GCSS-MC repairs are less than 30 days vice 56% for Legacy
  - 58% of GCSS-MC repairs are 10 days or less vice 23% for Legacy

- **Reduced Time for Critical Supply Status**
  - 6 hours GCSS-MC average vice 1.5 days in legacy.

- **Reduced Inventory Levels:**
  - Okinawa Intermediate Level Inventory Cost – Decreased 4% (from $9.2M to $8.8M during 2nd Qtr FY-12)

*Benefits Analysis based upon 3yr legacy average for III MEF units.*

*Additional baselining of I & II MEF units currently ongoing by LOGCOM with comparative data planned during May 2012.*
Questions

2011 Carl E. Nelson Best Practices Winners
Large Company Category (1,001+ employees)
Global Combat Support Systems Marine Corps/
Logistics Chain Management

2010 2nd Annual SOA Symposium
Best of Show - Case Study
Global Combat Support System - Marine Corps

2010 Global Award for Excellence
in BMP and Workflow
North American - Silver
Global Combat Support System Marine Corps, USA

2011 CIO 100 Winner
United States Marine Corps
Global Combat Support System - Marine Corps

2011 Excellence.Gov Finalist
Operations of Government
Global Combat Support System – Marine Corps
by Department of Defense – Marine Corps