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

Program Overview and Status

Andrew Dwyer, PM GCSS-MC
1 May 2012
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 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.

**Program Description**

**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

#### Calendar Year (CY) vs. Fiscal Year (FY)

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#### GCSS-MC Schedule

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

**Future Increments**
- Acq Milestone
- Acq Decisions
- Critical Patch Updates

**New Effort**
- Wholesale/Warehouse/Transportation/Maintenance

### FUTURE INCREMENTS

- **Increment 2**
  - Enterprise Supply Management
  - Trans & Distribution Management
  - Enterprise Maintenance Management
  - LOG Chain Mgmt & Integration

**Updated 21 Mar 2012**
Increment 1
Concept of Employment

**Secure, Accredited Web-accessible Environment**

- Real-time supply & maintenance functionality
- Centralized Enterprise-level Server Farm

**Today:** DISA; **Future:** MCEITS

**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)

**Tactical Edge**

- Core Supply & Maintenance functions (Local)

**Deployable**

**LHD Ship Alteration**

MCEITS = Marine Corps Enterprise IT Services
Program Status Release 1.1
Total Force Implementation

Current Status:
(15 April 2012)

- 306 units transitioned USMC wide (58%)

III MEF transition complete

MEFs
Total units 317
235 Units - 74%

MFR
Total units 65
17 Units - 26%
18 MFR add’l units scheduled 17-19 May

MARSOC
Total units 7
7 Units – 100%

SE
Total units 137
47 Units – 34%

Fielding of Increment 1 sunsets four legacy systems in Dec 2012:
MIMMS, SASSY, PC-MIMMS, & ATLASS
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

- SIDT&E I/II
  - Mar – Apr 2011
- IDT PH1
  - Aug – Oct 2011
- Software defects Corrected
  - Jan – Feb 2012
- Test Readiness Review
  - 29 Feb 12
- IDT PH2/VCD
  - Mar – May 2012
- FOT&E
  - Start Aug/Sept 2012
- FDD
  - Dec 2012

SIDT&E – Systems Integrated Developmental Test & Evaluation
IDT – Integrated Developmental Test
VCD – Verification of Correction of Deficiencies
FOT&E – Follow-on Operational Test & Evaluation
FDD – Full Deployment Decision

Integrated Developmental Test/Verification Correction of Deficiencies
IDT concluded, now in VCD
### Benefits Being Realized + To Be Realized

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<th>TACTICAL</th>
<th>OPERATIONAL</th>
<th>SERVICE LEVEL</th>
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<td>More efficient and effective Logistics Chain</td>
<td>Inventory Cost</td>
<td>Clean Audit (FY-16)</td>
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<td>- Improve metrics already realized</td>
<td>- Improved Cost Control (by Class &amp; Item)</td>
<td>- Asset Depreciation</td>
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<td>- Reduced Inventory Levels</td>
<td>- Accurate Inventory Valuation</td>
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<td>- OSD/Congress Reporting</td>
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<td>Improved equipment readiness</td>
<td>Warranty Administration</td>
<td>Operations Analysis</td>
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<td>- Cost Avoidance of unnecessary Equipment Repairs</td>
<td>- Historical Transactions</td>
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<td>- Historical + Active</td>
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<td>Increased asset accountability</td>
<td>AAOs</td>
<td>Enterprise Planning</td>
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<td>- Serialized visibility</td>
<td>- Improved management of Equipment Approved Acquisition Objectives from TFMS</td>
<td>- Acquisition planning</td>
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<td>- Logistics policy development</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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<td>- Real-Time vice Batch</td>
<td>- Upgrade support</td>
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<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
Add 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