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Defense Acquisition Management



Major Automated Information System Quarterly Report

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

As of Date: September 30, 2008

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Program Information

Program Name (Acronym)

Global Combat Support System-Marine Corps/Logistics
Chain Management Block 1 (GCSS-MC/LCM Block 1)

DoD Component

Navy

Approved Acquisition Program Baseline

GCSS-MC/LCM Block 1
June 8, 2007

Points of Contact

Program Manager (PM) Information

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Date Assigned: July 21, 2008

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Program Description

GCSS-MC: The Global Combat Support System – Marine Corps (GCSS-MC) is a portfolio of systems that supports logistics elements of command and control, joint logistics interoperability, and secure access to and visibility of logistics data. GCSS-MC is based upon the Marine Corps Logistics Operational Architecture and logistics business process reengineering initiatives. GCSS-MC is part of a joint GCSS effort, managed by the Joint Staff J-4, aimed at improving logistics capability and filling in deficiencies in the accuracy and timeliness of logistics data.

GCSS-MC/LCM: GCSS-MC Logistics Chain Management (LCM) is a program within GCSS-MC. It is comprised of Blocks 1, 2, and 3. It provides initial capabilities for GCSS-MC. The system provides Combat Service Support functionality: Supply, Maintenance, Task Organization, and Request Tracking in a shared data environment in support of deployed operations. Specifically the system centralizes logistics information for access by multiple authorized users (closing a significant warfighting gap), complies with the J-4 GCSS Mission Area Interface Control Document (ICD) that establishes a DoD Family of Systems for logistics information visibility and decision support, and satisfies initial Marine Corps requirements for meeting Combatant Commanders (COCOM) 129/57 Data Elements that provide asset visibility data to Combatant and Joint Task Force Commanders.

GCSS-MC/LCM Block 1: GCSS-MC LCM Block 1 is the first increment of GCSS-MC/LCM. It is a separate acquisition program with its own milestone events. It is based on the implementation of Oracle e-Business Suite 11i as the core software package. Block 1 provides the foundation for all future Marine Corps logistics systems modernization. Blocks 2 and 3 are not reported here because they have not officially been approved through the new Business Case Lifecycle (BCL) process.

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Program Status

The following pages reflect the current or actual estimates for cost, schedule & performance as of September 30, 2008. Per 10 U.S.C. Chapter 144A, a Critical cost and schedule breach is being projected based on the PM's current estimate.

The GCSS-MC Block 1 Program is currently in the post MS B systems integration test phase.

The cost and schedule breach is primarily caused by compounding delays in the Design, Build and Test phases of the program. These were primarily the result of technical complexities in:

- the deployed Multi-Instance capability (ability to support multiple deployed, authorized users in a shared data environment both synchronously or asynchronously)
- the Cross Domain capability which (ability to deliberately and securely pass information from classified to unclassified networks)
- system interface and identification issues, and
- legacy system data conversion

Schedule delays are estimated to cause the program to exceed the MAIS critical breach criteria of *time certain development* - failure to achieve initial operational capability (IOC) within five years of Milestone A approval; and *schedule* – delay of one year or more in any program schedule milestone or significant event from the schedule originally submitted to Congress. A POA&M is being developed to achieve a new Acquisition Program Baseline (APB), revised Acquisition Strategy, and IRB Investment approval.

Cost delays are estimated to cause the program to exceed the MAIS critical breach criteria of *cost* – estimated program development cost or full life-cycle cost has increased by 25 percent or more, over the original estimate submitted to Congress. The program is still in process of analyzing the full life-cycle cost breach as part of the POA&M listed above.

As required by 10 U.S.C. Chapter 144A, the Senior Official will submit a Critical Change Report to the Congressional defense committees.

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Schedule

Block 1 Schedule Milestone	Original Estimate	Current Estimate or Actual
Milestone A	Jul-04	Jul-04*
Milestone B	Apr-07	Jun-07*
Milestone C	Oct-08	Sep-09
Initial Operational Capability	Dec-08	Oct-09
Full Deployment Decision Review	Mar-09	Jul-11
Full Operational Capability	Nov-09	Nov-12

*Note: Actual Date Achieved

Discussion:

Schedule increases occurred incrementally over time during the Design, Build and Test phases. Several contract extensions were required during the System Design Phase to meet the exit criteria required to successfully complete the System Design. Additional delays were encountered during the Build and System Integration Testing Phases due to the technical complexities as described on page 4 of this report. Current estimates reported here are still under PM review and are currently being adjusted based on a new course of action to deliver capability incrementally to the user.

Performance Characteristics

Block 1 Key Performance Parameters	Original Estimate (Objective)	Original Estimate (Threshold)	Current Estimate or Actual
<p><u>Net Ready KPP</u> - All activity interfaces, services, policy enforcement controls, & data-sharing of Net-Centric Operations and Warfare Reference Model (NCOW-RM) & Global Information Grid (GIG) - Key Interface Profiles (KIPs) will be satisfied to the requirements of specified Joint integrated architecture products & information assurance accreditation, specified in the threshold & objective values.</p>	<p>100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements in the Joint integrated architecture.</p>	<p>100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.</p>	<p>Plan to meet Objective Estimate.</p>
<p><u>Visibility KPP</u> - When connected to GCSS-MC/LCM Deployed or Enterprise instances, transactions are visible to authorized users after entry by its originator.</p>	<p>Transactions are visible within 10 minutes 95% of the time.</p>	<p>Transactions are visible within 60 minutes 95% of the time.</p>	<p>Plan to meet Objective Estimate.</p>

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Cost

Appropriation/Category	BASE YEAR 2007 \$M		THEN YEAR \$M	
	Original Estimate	Current Estimate or Actual*	Original Estimate	Current Estimate or Actual*
Block 1				
Acquisition Cost				
RDT&E	99.0	136.1	102.3	140.3
Procurement	50.2	69.0	52.5	72.3
MILCON				
Acquisition O&M	36.7	50.5	39.6	54.5
WCF-C				
WCF-O				
Total Acquisition Cost	185.9	255.6	194.4	267.1
Operating and Support (O&S) Cost				
RDT&E				
Procurement	8.5	11.6	10.8	14.9
MILCON				
O&M	201.5	277.1	256.2	352.3
WCF-C				
WCF-O				
Total Operating and Support (O&S) Cost	210.0	288.7	267.0	367.2
Total Life Cycle Cost				
Life Cycle Cost	395.9	544.4*	461.4	634.3*

Notes:

* Current estimates reported here are still under PM review and are currently being adjusted based on a new course of action to deliver capability incrementally to the user. Even after the review is completed, the Program is expected to breach full life-cycle cost by 25 percent or more, over the original estimate submitted to Congress. As such, the Program is reporting a Critical MAIS cost breach and will provide further details on the revised current estimate within the next 60 days, per the Critical Change Report submission.

- Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
- The Presidents Budget IT1 Exhibit includes costs for the entire GCSS Portfolio and will not match the numbers reflected here. The numbers here reflect GCSS-MC LCM Block 1 only.

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Discussion:

Cost increases occurred incrementally over time during the Design, Build and Test phases. Several contract extensions were required during the System Design Phase to meet the exit criteria required to successfully complete the System Design. Additional delays were encountered during the Build and System Integration Testing Phases due to the technical complexities as described on page 4 of this report. Current estimates reported here are still under PM review and are currently being adjusted based on a new course of action to deliver capability incrementally to the user

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