



2016 Major Automated Information System Annual Report



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

Defense Acquisition Management
Information Retrieval
(DAMIR)

Table of Contents

Common Acronyms and Abbreviations for MAIS Programs 3

Program Information 4

Responsible Office 4

References 4

Program Description 5

Business Case 6

Program Status 7

Schedule 8

Performance 9

Cost 10

Common Acronyms and Abbreviations for MAIS Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ADM - Acquisition Decision Memorandum
AoA - Analysis of Alternatives
ATO - Authority To Operate
APB - Acquisition Program Baseline
BY - Base Year
CAE - Component Acquisition Executive
CDD - Capability Development Document
CPD - Capability Production Document
DAE - Defense Acquisition Executive
DoD - Department of Defense
DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
IATO - Interim Authority to Operate
ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
IP - Internet Protocol
IT - Information Technology
KPP - Key Performance Parameter
\$M - Millions of Dollars
MAIS - Major Automated Information System
MAIS OE - MAIS Original Estimate
MAR – MAIS Annual Report
MDA - Milestone Decision Authority
MDD - Materiel Development Decision
MILCON - Military Construction
MS - Milestone
N/A - Not Applicable
O&S - Operating and Support
OSD - Office of the Secretary of Defense
PB - President's Budget
RDT&E - Research, Development, Test, and Evaluation
SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name

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

DoD Component

Navy

United States Marine Corps

Responsible Office

Program Manager

Mr. David Hansen
2200 Lester Street
Quantico, VA 22134-5050

david.k.hansen@usmc.mil

Phone: 703-432-5803

Fax: 703-432-8701

DSN Phone:

DSN Fax:

Date Assigned: May 6, 2013

References

MAIS Original Estimate

September 17, 2015

Approved APB

Assistant Secretary of the Navy (Research, Development & Acquisition) (ASN(RDA)) Approved Acquisition Program Baseline (APB) dated April 24, 2015

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 planned as several acquisition increments. GCSS-MC/LCM Increment 1 is the first increment of GCSS-MC. It provides initial capabilities for GCSS-MC. The system provides Combat Service Support functionality for supply, maintenance, task organization, data synchronization and request tracking in an enterprise shared data environment that supports 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 that establishes a DoD family of systems for logistics information visibility and decision support, and satisfies initial Marine Corps requirements for meeting Combatant Commanders 129/57 Data Elements that provide asset visibility data to Combatant and Joint Task Force Commanders.

GCSS-MC/LCM Increment 1: GCSS-MC/LCM Increment 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. Increment 1 provides the foundation for all future Marine Corps logistics systems modernization.

GCSS-MC/LCM Increment 1 Capability Release 1 (hereinafter Release 1.1) is the baseline enterprise capability that provides in-scope functional capability. This capability release includes GCSS-MC enterprise Non-Secure Internet Protocol Router Network and a training capability called GCSS-MC Mobile Training Suites. Release 1.1 was authorized for implementation across the Marine Corps (up to 36,000 users) and is 100% fielded.

Release 1.1.1 provides enhanced functionality through the use of Mobile Field Service (store and forward function), an Enterprise Automated Task Organization process, and a Tactical WAN acceleration tool for network optimization.

Business Case

Business Case Analysis, including the Analysis of Alternatives: Key functional requirements for this program (which were articulated in the GCSS-MC Operational Requirements Document dated September 11, 2003) are summarized as follows:

- (1) Total Asset Visibility – GCSS-MC shall provide authorized users with timely and accurate information on the location, movement, status, and identity of Marine Corps units, personnel, equipment and supplies; and
- (2) Decision Support - GCSS-MC shall provide the Marine Corps specific information required by the GCSS-MC Capstone Requirements Document to support the Joint Task Force Commander's decision making process.

The Analysis of Alternatives dated May 10, 2004 considered a list of legacy, commercial-off-the-shelf (COTS) software, as well as developmental alternatives. The Analysis of Alternatives resulted in Alternative 4, COTS business application being recommended as the Preferred Alternative and approved by the Milestone Decision Authority (MDA) in an Acquisition Decision Memorandum (ADM), "GCSS-MC/LCM Block 1 Milestone A Technology Development Decision," July 23, 2004. The Analysis of Alternatives was validated in the Critical Change Report and for Milestone C. An Economic Analysis (EA) was performed on the selected alternative, and approved by the MDA in an ADM, "GCSS-MC/LCM Block 1 Milestone B Engineering and Manufacturing Decision," June 08, 2007.

Firm, Fixed-Price Feasibility: The determination of the development/integration contract type was based on cost and technical risk associated with satisfying the requirement. The MDA authorized a cost-type contract because development tasks are sufficiently complex and technically challenging that it is impossible to precisely estimate the cost of satisfying the requirements, and it is not practicable to reduce cost and technical risk to a level that would permit the use of a fixed price contract.

Independent Cost Estimate: The Senior Official determined on February 4, 2013 that the program experienced a Critical Change, and the revised Independent Cost Estimate completed on August 7, 2013 as part of the program evaluation determined that the estimate of total life-cycle costs for the program is closely aligned with the June 17, 2013 Service Cost Position (within 2%). The Independent Cost Estimate was used to inform the updated Acquisition Program Baseline.

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the functional requirements, AoA, and EA as described above.

Business Case Certification:

Name: Mr. Victor S. Gavin
Organization: Navy/PEO Enterprise Information Systems for GCSS-MC LCM Inc 1
CAC Subject: CN=GAVIN.VICTOR.S.1229819859,OU=USN,OU=PKI,OU=DoD,O=U.S. Government,C=US
Date: 3/12/2014 07:22 AM

Business Case Changes

There has been no significant change to the Business Case since it was last certified.

Program Status

Close-out Report for Program Completion: As of December 2015 Global Combat Support System/Logistics Chain Management Increment 1 (GCSS-MC/LCM Inc 1) achieved Full Deployment and is now in the O&S phase of its life-cycle. Therefore, this will be the last GCSS-MC/LCM Inc 1 MAIS Annual Report submitted under the provisions of 10 U.S.C. Chapter 144A.

Increment 1 is fully implemented and has trained over 20,000 users, PKI implemented for Mobile Field Service, and the functional sponsor delivered a Post Implementation Report indicating the system meets their functional requirements.

Schedule

Schedule Events		
Events	Original Estimate Objective	Current Estimate (Or Actual)
Milestone A	Jul 2004	Jul 2004
Milestone B	Jun 2007	Jun 2007
Milestone C	May 2010	May 2010
FDD	Sep 2014	Mar 2015
FD	Dec 2015	Dec 2015

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		Current Estimate (Or Actual)
Net Ready^{1, 2}		
(Objective = Threshold) 100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	Met Threshold
Visibility^{1, 3}		
(Objective = Threshold) Transactions are visible within 10 minutes 95% of the time.	Transactions are visible within 10 minutes 95% of the time.	Met Threshold

Memo

Net-Ready: All activity interfaces, services, policy enforcement controls & data-sharing of Net-Centric Operations and Warfare Reference Model & Global Information Grid - Key Interface Profiles will be satisfied to the requirements of specified Joint Integrated architecture products & information assurance accreditation, specified in the threshold and objective values.

Visibility: When connected to GCSS-MC/LCM Enterprise instances, transactions are visible to authorized users after entry by its originator.

1/ Source document for Net-Ready and Visibility KPPs is the GCSS-MC/LCM CPD dated January 28, 2010.

2/ Net-Ready KPP met at Release 1.1 Initial Operational Test and Evaluation and during 18 months of demonstrated operational system performance and post deployment systems support.

3/ Visibility KPP for Enterprise instance met Threshold parameters during Government Developmental Test and Evaluation on October 30, 2009. Deployed requirement deferred to future increment as approved by the Marine Corps and included in the September 6, 2013 Critical Change Report.

Cost

GCSS-MC LCM Inc 1				
Appropriation Category	BY 2013 \$M		TY \$M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
Acquisition Cost				
RDT&E	359.8	324.3	359.2	307.9
Procurement	83.4	88.1	89.0	88.3
MILCON	0.0	0.0	0.0	0.0
Acq O&M	151.7	163.3	160.5	160.5
Total Acquisition Cost	594.9	575.7	608.7	556.7
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1156.5	1265.0	1247.6	1265.0
Total Life-Cycle Cost				
Total Life-Cycle Cost	1751.4	1840.7	1856.3	1821.7

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.