



MARITIME COMMAND AND CONTROL (MAR C2)  
Global – Theater Security Cooperative Management Information System

**SYSTEM REQUIREMENTS SPECIFICATION -  
REQUIREMENTS TRACEABILITY MATRIX  
(SRS-RTM)**

**November 2014**

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## REVISION HISTORY

MC2 G-TSCMIS Systems Engineering is the process change owner of this document. Forward any beneficial comments (recommendations, changes, additions, deletions) and any pertinent data, which may be of use in improving this document, to them.

<b>Date</b>	<b>Author</b>	<b>Rev</b>	<b>Change</b>
JUL 2011	Bruce Binney	1.0	[1-3-1] Initial Release
SEP 2011	Bruce Binney	2.0	[1-3-4] BDTR Event Update
MAY 2012	Dan Ostermiller	3.0	[1-3-5] Post Contract Award Update. Updates content allocated for Release 1 (R1) and Release 2 (R2).
NOV 2012	Heather Burke	4.0	[1-3-6] Updated the functional baseline to include the following changes: - Removed ARCHREQ 87 & 89 from Release 1-5 as there is no enterprise infrastructure to support these requirements. No intention from the JC2 community for these to be developed. - Updated typo in ARCHREQ 82 to include the correct DoD IC SOA SRA Section Reference. The original referenced section was not a valid section in the document due to misplaced period. - Updated FUNREQ 003 to not include "(ABAC)" in the requirement statement in column D as it was a misplaced reference.
OCT 2014	Joseph Gablin	5.0	[1-4-6] Updated the functional and allocated baselines to include the following changes: - Updated various requirements from change proposals received SEP 2013 through NOV 2013. - Updated various requirements from exchanges resulting from requirements cost analysis JUL 2014. - Updated various requirements from contract modification 13 dated AUG 2014.
OCT 2014	Joseph Gablin	5.1	[1-4-7] Updated FUNCREQs 23.7, 23.8, and 29.12 to reflect Joint Staff J6's decision to remove the CFR and ARTIMS ADSs from R3 and all subsequent releases.
OCT 2014	Joseph Gablin	5.2	[1-4-8] Updated FUNCREQ 29.4 to adjust data exchange timeframe for JCRM from R2-5 to R3-5, and FUNCREQ 23.7 to re-include ARTIMS for R3-5 per request of Joint Staff J6.
NOV 2014	Joseph Gablin	5.3	[1-4-9] Added FUNCREQ 52.6 to include the linkage of FUNCREQ 7 per request of Steven Crosson, and adjusted/added FUNCREQ 23.3/23.3-1 to include export text for JCRM ADS referenced from CP3.

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## **1. INTRODUCTION**

### **1.1 PURPOSE**

The Global – Theater Security Cooperative Management Information System (G- TSCMIS) System Requirements Specification - Requirements Traceability Matrix (SRS- RTM) is an artifact, which includes decomposed functional requirements derived from G- TSCMIS Capability Definition Package (CDP) dated 25Feb2010, as well as architectural requirements derived from Joint C2 Architecture V2.0. The SRS-RTM then allocates these requirements to releases as appropriate to reflect G-TSCMIS Community of Interest (COI) priorities as well as programmatic constraints. In this version, the G-TSCMIS SRS-RTM is updated from version 1-4-8 to V1-4-9 in both the functional and allocated baselines.

### **1.2 SCOPE**

The scope of this document is approval of update to G-TSCMIS SRS-RTM V1-4-9.

***APPENDIX A*      SRS-RTM MATRIX**

Next 16 pages. This is SSI sensitive.

Draft Allocated Baseline (draft allocation of requirements to Architecture Components)		G-TSCMIS SRS View <i>(CDP requirements with additional decomposition)</i>		CDP 11.xx Trace Element	MOE/M OP 3.x.x	Architecture Trace Element	Planned Release		
Arch WBS Element	Architecture Component (Primary)	Requirement Identifier	Requirement statement				R1	R2	R3
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-001	G-TSCMIS shall comply with DoD Information Assurance directives, policies, and instructions.	11.1			x	x	x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-001.1	G-TSCMIS shall implement IA controls and procedures in compliance with DoDI 8500.2 specifically as required in Joint C2 Architecture-driven requirements A088-A130.	11.1			x	x	x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-002	G-TSCMIS shall protect and defend shared information/resources by ensuring availability, integrity, authentication, confidentiality, and non-repudiation.	11.2			x	x	x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-002.1	G-TSCMIS shall protect and defend shared information/resources through the implementation of IA controls as required by DoDI 8500.2.	11.2			x	x	
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-002.1-1	G-TSCMIS shall protect and defend shared information/resources through the implementation of IA controls as required by DoDI 8500.2: Security Design and Configuration, Identification and Authentication, Enclave and Computing Environment, Enclave Boundary Defense, Physical and Environment, Personnel, Continuity, Vulnerability and Incident Management.	11.2					x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-002.2	G-TSCMIS shall protect and defend shared information/resources through the implementation of controls outlined in DISA Security Technical Implementation Guides for the applicable technology components.	11.2			x	x	x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-002.3	G-TSCMIS shall protect and defend shared information/resources through the implementation of controls outlined in The Application Development Security Technical Implementation Guide	11.2			x	x	x
1.1.2.5.2	Authorization (e.g., ABAC)	GTSCMIS-FUNCREQ-003	G-TSCMIS shall provide an access control methodology based on assignment of individual attributes, and/or the aggregation of any number of existing or additional attributes, to resources and identities: enabling tailored access control to information/resources.	11.3	3.1.5		x	x	x
1.1.2.5	Security Services	GTSCMIS-FUNCREQ-003.1	G-TSCMIS shall allow an authorized user to manage user account attributes.	11.3	3.1.5		x	x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-003.2	G-TSCMIS shall allow an authorized user to track status of new account requests.	11.3	3.1.5			x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-004	G-TSCMIS shall provide the capability to track all user actions (e.g., access requests, create, read, update, delete)	11.4			x	x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-004.1	G-TSCMIS shall provide auditing capability as required by DoDI 8500.2 for event audit and audit record content.	11.4			x	x	
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-004.1-1	G-TSCMIS shall provide auditing capability as required by DoDI 8500.2 for event audit and audit record content.	11.4				x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-004.3	G-TSCMIS shall provide an auditing capability that logs sufficient detail to trace specific actions to a user.	11.4			x	x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-005	G-TSCMIS shall provide the capability to prevent unattributed modification of information/resources.	11.5			x	x	x
1.1.2.5.2	Authorization (e.g., ABAC)	GTSCMIS-FUNCREQ-006	G-TSCMIS shall provide Attribute-Based Access Control (ABAC) to provide user authentication and identify associated permissions for information/resource access. [1] Attribute-Based Access Control (ABAC) is an access authorization policy model that allows the system to take all, or any subset of, attributes into consideration when vetting a request for access to the system. The ABAC approach does not require specific role definitions; instead, policies are based on binary conditions associated with the attributes in an individual's profiles, the system resource constraints, and environmental conditions (such as threat levels, network conditions, network security classifications, etc.)	11.6					x
1.1.2.5.2	Authorization (e.g., ABAC)	GTSCMIS-FUNCREQ-006.1	G-TSCMIS shall implement and utilize ABAC components to grant authorization for access to system and data resources based upon attributes of an individual's profile, as defined in the G-TSCMIS ABAC Design Document (GFI) for Release 3.	11.6					x
1.1.2.5.1	Authentication	GTSCMIS-FUNCREQ-007	G-TSCMIS shall provide the capability for a Single Sign-On (SSO) for access to multiple sources of data.	11.7					x
1.1.2.5.1	Authentication	GTSCMIS-FUNCREQ-007.1	G-TSCMIS shall provide a Single-Sign-On (SSO) capability for end-users to access information and applications internal to G-TSCMIS	11.7			x	x	x
1.1.2.5.1	Authentication	GTSCMIS-FUNCREQ-007.2	G-TSCMIS shall provide a Single-Sign-On (SSO) capability for end-users to access required applications and information external to G-TSCMIS.	11.7					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-008	G-TSCMIS shall provide an embedded, 24-hour available, online help capability (e.g., intuitive and contextual-based help menus, self-service knowledge repository, and human-interactive help desks) supporting 24/7 education and training of units and individuals dispersed temporally and geographically	11.8			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-008.1	G-TSCMIS shall provide Key word-based help	11.8					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-008.2	G-TSCMIS shall provide Tool tips which are directly accessible via application GUI and fully describe the functionality each element of the application utilized by the user	11.8			x	x	x
Not in WBS	Not in WBS	GTSCMIS-FUNCREQ-008.4	G-TSCMIS shall provide Human-interactive help desks available 8 hours / day, 5 days a week (8x5).	11.8					x

1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-009	G-TSCMIS shall provide the capability to develop standardized and easily understood course materials to deliver training to the warfighter on a variety of platforms operating in diverse environments (classroom to work center) with the same look and feel whether conducting classroom, web-based, or computer-based training.	11.9			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-009.1	All G-TSCMIS training capabilities shall be web-based to support the consistent utilization in all training environments (classroom, distance learning).	11.9			x	x	x
1.1.2.4.2	Data Export Services	GTSCMIS-FUNCREQ-009.2	G-TSCMIS training capabilities shall be able to export to standard office automation formats for use offline.	11.9			x	x	x
1.1.2.3	Presentation Services	GTSCMIS-FUNCREQ-0010	G-TSCMIS shall provide the capability to develop standardized and easily understood course materials to deliver training to the warfighter that meets Advanced Distributed Learning Sharable Content Object Reference Model (SCORM) standards.	11.10			x	x	x
1.1.2.3	Presentation Services	GTSCMIS-FUNCREQ-0011	G-TSCMIS Sharable Content Object Reference Model (SCORM)-conformant products will be registered on the Advanced Distributed Learning-Registry (ADL-R) to support rapid search, discovery, retrieval and re-use.	11.11					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012	G-TSCMIS shall provide the capability to manage (Create, Read, Update, Delete) Security Cooperation (SC) event data: Event Title, Identifier Field, Fiscal Years, US Only Event, Event Sub Types, Engagement categories, Points of Contact/Office of Primary Responsibility (OPR), Key Organization Data, Event Status, Event Execution Dates, Classification/Releasability, Remarks, Description, Additional Comments, Military Engagement Themes, Event Series, Locations, Participating Country(ies), Participating US Units, Other Supporting Elements/Offices, Number of Scheduled Military/Civilian Participants, Number of Actual Military/Civilian Participants, Required Resources/Funding Resources, Theater Strategic Objectives/Country Objectives/SC Desired Effects, Event Milestones, Administrative Events, Assessments, Assets.  Note: The data fields listed in this requirement statement represent current TSCMIS/ARGOS reporting criteria.	11.12			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.1	The G-TSCMIS core data model for a security cooperation event shall include the data elements identified in requirement CDP 11.12, and shall be compliant with the Joint C2 data architecture	11.12			x		
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.1-1	The G-TSCMIS core data model shall include the all data elements identified in CDP requirement 11.12 and comply with the G-TSCMIS OV-7/DIV-2.	11.12				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.4	G-TSCMIS shall allow addition of values (e.g., a new country) by an authorized sysadmin user, without requiring code changes.	11.12			x	x	
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.4-1	No GUI shall have hard-coded data values as delimiters, and all non system-generated values must be editable by authorized users	11.12					x
1.1.2.2	Business Logic Services	GTSCMIS-FUNCREQ-0012.5	G-TSCMIS shall define and implement an enforcement policy to ensure each Security Cooperation (SC) Event Data element contains correct information.	11.12			x	x	
1.1.2.2	Business Logic Services	GTSCMIS-FUNCREQ-0012.5-1	G-TSCMIS enforces policy to ensure each Security Cooperation (SC) Event Data element enforces the business rule (GFI) for each data element.	11.12					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.6	G-TSCMIS shall provide a simplified mechanism for input of SC Event data associated with the execution phase (e.g., location and status data of SC units) during the execution phase.	11.12			x		
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.6-1	G-TSCMIS shall provide a browser-based manual user mechanism for input of location data of SC units during execution.	11.12					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0012.7	G-TSCMIS shall provide the capability for a user to save work-in-progress, even when all required data entry fields have not been completed.	11.12			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0013	G-TSCMIS shall provide the capability for users to create and manage additional SC event reporting criteria.	11.13			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0013.1	The G-TSCMIS data model design shall support extension and expansion from the core data model in order to support creation of additional SC Event reporting criteria.	11.13				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0013.2	G-TSCMIS shall provide the capability for authorized SC sysadmin users to manage (i.e., CRUD) the creation and modification of additional SC Event reporting criteria without requirement for code changes.	11.13				x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0014	G-TSCMIS shall provide the capability to enter SC event data via standardized data entry selections (e.g., pull-down menus, lists, tables).	11.14			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0014.1-1	G-TSCMIS shall provide capability for users to customize and store data entry items (e.g., list) based on a subset of the complete elements for that list and have that customization persisted in the system.	11.14					x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0015	G-TSCMIS shall provide the capability to perform a validation check on an SC event to ensure that all required fields have been completed.	11.15			x		x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0016	G-TSCMIS shall provide the capability to designate certain SC event data fields as "required" data fields (which must be filled in for the event to pass the validation check).	11.16			x		x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0016.1	G-TSCMIS shall designate certain SC event data fields as "required" data fields (which must be filled in for the event to pass the validation check).	11.16			x		
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0016.1-1	G-TSCMIS shall enable designation of individual optional fields as required by the SC Organizational Data Manager without requiring application recompile.	11.16					x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0016.2-1	G-TSCMIS shall provide the capability for end users to designate specific SC event data fields as "required" data fields (which must be filled in for the event to pass the validation check) as needed, without requiring application recompile.	11.16					x

1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0017	G-TSCMIS shall provide the capability to embed supporting documents to an SC event record.	11.17			x	x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0017.3	G-TSCMIS shall prevent embedding of executable content into SC event records.	11.17			x	x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0017.4	G-TSCMIS shall scan all files for malicious code prior to embedding the document in the SC event record.	11.17			x	x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0017.6	G-TSCMIS shall scan all files for malicious content prior to allowing a user to download the embedded document from the SC event record.	11.17					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0018	G-TSCMIS shall provide the capability to create a symbolic relationship or link (e.g., a Uniform Resource Identifier (URI) or a Uniform Resource Locator (URL)) into an SC event record.	11.18				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0018.1	G-TSCMIS shall provide the capability to link an SC Event record to one or more URLs which provide amplifying information or documents associated with that event	11.18				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0018.3	G-TSCMIS shall provide the capability to upload into G-TSCMIS supporting information which can be identified by URL	11.18					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0018.6	G-TSCMIS shall prevent linking of executable content into SC event records.	11.18			x	x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0018.7	G-TSCMIS shall scan all files for malicious code prior to opening documents or resources linked to an SC event record.	11.18			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0019	G-TSCMIS shall provide a capability to record in an SC event record compliance with applicable Laws, Regulations and Policies by the appropriate oversight organization for an SC activity/event.	11.19				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0019.1	G-TSCMIS shall provide the capability for Organizational SC Data Managers to perform CRUD operations regarding applicable laws, regulations and policies.	11.19				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0019.3	G-TSCMIS shall provide the capability to associate applicable laws, regulations and policies with a Security Cooperation event	11.19					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0020	G-TSCMIS shall provide the capability to copy an already developed SC event and use it as a template for another SC event.	11.20	3.3.1		x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0020.1-1	G-TSCMIS shall provide the capability to copy/paste an SC Event template.	11.20					x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0021	G-TSCMIS shall provide the capability to copy data from an SC event record text field.	11.21			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0022	G-TSCMIS shall provide the capability to paste data into an SC event record text field.	11.22			x	x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023	G-TSCMIS shall provide a capability to import data using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23	3.3.3			x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.1	G-TSCMIS shall provide a capability to import data from OHASIS standard formats (e.g., KML, Comma Separated Values (CSV)) for data input.	11.23				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.2	G-TSCMIS shall provide a capability to import data from JTIMS using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.3	G-TSCMIS shall provide a capability to import data from JCRM using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23				x	
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.3-1	G-TSCMIS shall provide a capability to import/export data from JCRM using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.4	G-TSCMIS shall provide a capability to import data from DSAMS/SAN using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0023.7	G-TSCMIS shall provide a capability to import data from ARTIMS using standard formats (e.g., Comma Separated Values (CSV)) for data input.	11.23					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0024	G-TSCMIS shall provide the capability to perform a search within G-TSCMIS.	11.24				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0024.1	G-TSCMIS shall provide a capability to search the G-TSCMIS database for key words	11.24				x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0024.2	The search entry capability shall be available in every display	11.24				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0024.3	G-TSCMIS shall provide a capability to search G-TSCMIS embedded documents for key words	11.24					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0025	G-TSCMIS shall provide the capability for a user to perform specific, custom queries using filters and selection criteria.	11.25	3.1.2 / 3.1.3		x	x	x

1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0025.1	G-TSCMIS shall provide the capability for menu-based queries such as "radio button" model based upon combinations of elements of the G-TSCMIS data model	11.25			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0025.2	Queries based upon geo-spatial information shall be enabled through the use of tools in a geospatial display which bound the area of the query	11.25			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0025.3	Queries based upon calendar days shall provide calendar-based options for selecting dates.	11.25			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0025.5	G-TSCMIS queries shall be formed (i.e., queries are correctly constructed).	11.25	3.1.3		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0025.6	G-TSCMIS queries shall be completed (i.e., all data requested is extracted).	11.25	3.1.3		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0026	G-TSCMIS shall provide the capability for a user to sort by any data field (e.g., by OPR or executing component).	11.26			x	x	x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0027	G-TSCMIS shall provide a capability for a single point of data entry capability (to preclude the necessity for agencies/Services to establish separate accounts with each Geographic Combatant Command (GCC)).	11.27			x	x	x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0028	G-TSCMIS shall provide a capability for an SC event manager to grant permission to allow multiple commands/organizations to enter their SC data against a single SC event.	11.28				x	x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0028.1	G-TSCMIS shall enable selection of commands and organizations who are granted permission to enter data into an SC event.	11.28			x	x	x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0028.2	G-TSCMIS shall enable users to view the list of SC events for which they are granted permission to enter data into an SC event.	11.28			x	x	x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0028.3-1	G-TSCMIS shall enable users to view the access control restrictions in place for the SC event.	11.28					x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0028.4	G-TSCMIS shall provide alerts to organizations and commands who have been granted permission to enter data into an SC event.	11.28				x	
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029	G-TSCMIS shall provide the capability to access data from Authoritative Data Sources (ADS) (e.g., Defense Security Assistance Management System [DSAMS], Security Assistance Network [SAN], Joint Training Information Management System [JTIMS], Training Management System [TMS], Joint Capability Requirements Manager [JCRM], Global Force Management tool), including authoritative SC references	11.29				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.1	G-TSCMIS shall be capable of consuming/importing exercise events data from JTIMS	11.29				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.2	G-TSCMIS shall be capable of exchanging data with OHASIS to import humanitarian assistance events/data	11.29				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.3	G-TSCMIS shall be capable of exchanging data with DSAMS/SAN to consume/import FMS and Training event data	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.4	G-TSCMIS shall be capable of exchanging data with JCRM to consume data regarding allocated resources and register G-TSCMIS SC events in order to obtain Force Tracking Number (FTN)	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.5	G-TSCMIS shall be capable of exchanging data with GFM-DI to consume data associated with force structure	11.29				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.6	G-TSCMIS shall be capable of exchanging data with additional data sources as derived from CDP tables 4, 5, 6 and emergent user requirements	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.7	G-TSCMIS access of data from external data sources shall utilize Joint-C2 compliant interfaces and security mechanisms when available	11.29				x	x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.8-1	G-TSCMIS shall provide the capability to automatically generate updates to the associated stored SC event data after the receipt of updated information obtained from an Authoritative Data Source.	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.9	G-TSCMIS shall provide the capability to provide updates (and updated products) to other entities Subscribed to G-TSCMIS after the receipt of updated information from G-TSCMIS or other Authoritative Data Sources (ADS).	11.29			x	x	
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.9-1	G-TSCMIS shall provide the capability to provide updates to other entities Subscribed to G-TSCMIS after the receipt of updated information in G-TSCMIS.	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.10	G-TSCMIS shall be able to publish, consume, and populate OV-7/DIV-2 event data and associated embedded documents from another instance of G-TSCMIS via manual import.	11.29					x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0029.11	G-TSCMIS shall be able to publish, consume, and populate OV-7/DIV-2 event data and associated embedded documents from another instance of G-TSCMIS via enterprise messaging.	11.29					x
1.1.2.4	Data Services	GTSCMIS-FUNCREQ-0030	G-TSCMIS shall provide interoperability with existing fielded SC systems and planning systems.	11.30			x		x
1.1.2.4.3	Data Consumption Services	GTSCMIS-FUNCREQ-0030.1	G-TSCMIS shall be able to consume SC data and plans from existing fielded SC systems using services/interfaces currently exposed by those systems in order to functionally interoperate during transition from existing fielded systems to G-TSCMIS.	11.30			x	x	





1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051	G-TSCMIS shall provide a capability to display historical, current and future planned SC events (with amplifying data) on an interactive mapping tool (such as Google Earth) via user-defined criteria such as timeframe, objective, country, agency.	11.51	3.2.4		x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.1	G-TSCMIS shall utilize NGA Geo-Spatial Visualization Enterprise Services (GVES) for mapping and geo-spatial presentation.	11.51			x	x	x
1.1.2.4.2	Data Export Services	GTSCMIS-FUNCREQ-0051.2	G-TSCMIS shall expose Joint C2-compliant geo-spatial presentation services which enable dynamic display on compliant geo-spatial client applications based on user -defined criteria such as timeframe, objective, country, agency.	11.51			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.3	G-TSCMIS geospatial display shall provide support for display of symbology which differentiates between types of security cooperation activities and displays an event summation when multiple events are scheduled in a similar location.	11.51			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.4	G-TSCMIS shall provide the capability to link map symbols with amplifying data	11.51			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.5	G-TSCMIS shall provide indication that amplifying data for a map object is available, and shall provide ability to access amplifying data	11.51			x		x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.6	G-TSCMIS shall display geo-spatial SC data in the Joint C2 Common User Interface Map widget, and shall provide a widget for selection of criteria for information display, including region, event type, time frame, and organizational responsibility	11.51			x		
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.6-1	G-TSCMIS shall display geo-spatial SC data in the Joint C2 Common User Interface map widget using the Common Map API, and shall provide a widget for all selection of criteria for information display, including region, event type, time frame, and organizational responsibility.	11.51					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0051.7	G-TSCMIS shall provide accurate explanatory labels for each data representation created, to include, but not limited to the following: a) map legend(s) for geo-spatial data presentations b) scale representation(s) for charts (e.g., pie charts, bar charts, line charts, Gantt charts, other) c) icon and line legend(s) for graphical data representations (e.g., pie charts, bar charts, line charts, Gantt charts, other) d) axis label(s) (e.g., X - SC Event Title, Y - \$K FY11 Dollars) e) chart label(s) (e.g., SC Event by Agency for FY11) f) most current date associated with source data g) source of data, especially if not created by G-TSCMIS	11.51	3.2.4		x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052	G-TSCMIS shall provide a capability to display synchronized SC information from multiple Combatant Commands/Services/agencies.	11.52			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.2	G-TSCMIS shall provide user-defined settings and filters for display of Security Cooperation data from multiple Combatant Commands/Services/Agencies in a geo-spatial display.	11.52			x	x	
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.2-1	G-TSCMIS shall provide user-defined settings and filters for display of Security Cooperation data from multiple Combatant Commands/Services/Agencies in a geo-spatial display. Filters should include at a minimum location, fiscal year, start/end date, participants, status, objectives, organization, and sub organization	11.52					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.3	G-TSCMIS shall provide user-defined settings and filters for display of Security Cooperation data from multiple Combatant Commands/Services/Agencies in a tabular display	11.52			x	x	
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.3-1	G-TSCMIS shall provide user-defined settings and filters for display of Security Cooperation data from multiple Combatant Commands/Services/Agencies in a tabular display. Filters should include location, fiscal year, start/end date, participants, status, objectives, organization, and sub organization	11.52					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.5	G-TSCMIS shall provide a single-step filter to activate/deactivate information displayed in the geo-spatial display	11.52					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0052.6	G-TSCMIS shall provide a capability to display synchronized SC information from multiple Combatant Commands/Services/agencies in conjunction with FUNQREQ-0007	11.52					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0053	G-TSCMIS shall provide a capability to display all the SC activities of an individual agency or command or Service within a particular country or user-defined region.	11.53			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0053.1	G-TSCMIS shall provide a capability to display all the SC activities of an individual agency or command or Service within a particular country or user-defined region, selected through tabular or filter selections.	11.53			x	x	
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0053.1-1	G-TSCMIS shall provide a capability to display the SC activities of an individual agency or command or Service within a particular country or user-defined region, selected through tabular or filter selections.	11.53					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0053.2	G-TSCMIS shall provide a capability to display SC activities of an individual agency or command or Service within a particular country or user-defined region, selected by user interface to map display (e.g., select countries, rubber-band around region.)	11.53					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0054	G-TSCMIS shall provide a capability to customize a display to assist with planning and tracking activities/events (e.g., roll up/dashboard view).	11.54			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0055	G-TSCMIS shall provide a capability to display resources that have been allocated to specific SC activities/events.	11.55			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0056	G-TSCMIS shall provide a capability to track and display expenditure of funds by sources (e.g., Title 10, Title 22, Section 1206) and activities.	11.56			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0056.1	G-TSCMIS shall provide for identification of funding sources	11.56			x	x	x

1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0056.2	G-TSCMIS shall enable linking of funding sources to SC activities	11.56			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0056.4	G-TSCMIS shall provide the capability to query and display financial data by sources and activities	11.56					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0057.1	G-TSCMIS shall provide a capability to display allocation of resources (funding, forces, equipment) for an SC program/event/activity for each organization.	11.57					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0060	G-TSCMIS shall provide a capability to display linkages between resources and Guidance for the Employment of Forces (GEF) priorities.	11.60				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0061	G-TSCMIS shall provide the capability to report Security Cooperation Event data summaries of funding and/or manpower required organized by, but not limited to the following: a) by funding category b) by country c) by region d) by objective	11.61	3.1.1		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0061.3-1	G-TSCMIS shall provide the capability for an end-user to track/analyze historical SC data (requirements, personnel, activities and outcomes) within a userspecified date range.	11.61					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0062.1-1	G-TSCMIS shall provide a flexible query capability that will output into the following: pie charts, Gantt charts, and bar graphs.	11.62				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0063	G-TSCMIS shall provide the capability to access standardized reports for SC events.	11.63			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0064	G-TSCMIS shall provide the capability to generate an Events Summary report organized by, but not limited to the following: a) SC category b) country	11.64	3.1.1		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0065	G-TSCMIS shall provide the capability to generate Quality Assurance (QA) reports (e.g., Agency, Country, Points of Contact) for SC activities, in order to identify and correct missing/incorrect information for the user.	11.65	3.4.2 / 3.4.3		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0065.1	G-TSCMIS shall identify SC Event discrepancies.	11.65			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0065.2	G-TSCMIS shall track SC Event discrepancies.	11.65			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0065.3	G-TSCMIS shall report SC Event discrepancies.	11.65			x	x	x
1.1.2.2.3	Workflow Services	GTSCMIS-FUNCREQ-0065.4	G-TSCMIS shall notify the originator of an SC Event of a discrepancy when the SC Event is created.	11.65			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066	G-TSCMIS shall provide interactive Quality Assurance (QA) reports that allow the user to directly navigate to an SC event record which has been identified (flagged) for QA non-compliance.	11.66			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.1	G-TSCMIS shall report SC Event discrepancies.	11.66			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.2	QA reports shall be accessible by all G-TSCMIS users.	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.3	QA reports shall be filterable by Fiscal Year, Event Status, Event POC, POC, POC CC/S/A, Participating Country, AOR, AOI, Maritime Area, Event Start Date (user-defined range), Non-Compliant Item (user multi-select).	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.4	Filtered and unfiltered QA reports shall be sortable by Event Title, Event POC, Event Status, Event Start Date	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.5	QA reports shall enable the user to navigate directly from the report to the reported event's detail pages and back to the generated QA report, without requiring report regeneration.	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.6	QA report shall enable one-click canned email message and one-click internal G-TSCMIS message to the Event POC, stating Event Title and non-compliant data elements and containing a link to the event in G-TSCMIS. Message shall also contain G-TSCMIS directory contact information of the person triggering the notification.	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.7	QA report shall enable one-click, bulk internal G-TSCMIS and one-click, bulk email notifications to each Event POC, stating Event Title and non-compliant data elements and containing a link to the event in G-TSCMIS for each event in the filtered report. Message shall also contain G-TSCMIS directory contact information of the person triggering the notification.	11.66					x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0066.8	QA report summaries shall be available that contain graphical representations of the number of non-compliant events by Fiscal Year, Event Status, POC, POC Organization, Event POC CC/S/A, Participant Country, AOR, AOI, Maritime Area, Event Start Date (user-defined range), Non-Compliant Item (user multi-select) and Record Creation Date.	11.66				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0067	G-TSCMIS shall provide a capability to notify a user that an SC event record has an incorrect status (i.e., an event start and/or end date has passed and the event status has not been updated).	11.67			x	x	x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0067.1	G-TSCMIS shall notify the originator of an SC Event of a discrepancy when the SC Event is created.	11.67			x	x	x
1.1.2.2.3	Workflow Services	GTSCMIS-FUNCREQ-0067.2	G-TSCMIS shall notify the originator of an SC Event of a discrepancy when the SC Event is periodically re-evaluated.	11.67			x	x	x

1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0068	G-TSCMIS shall provide the capability to generate Analytical reports (e.g., Agency to Engagement Category, Agency to Event Status, Events to Country Objectives/Sub Objectives, Country to Engagement Category, and Country Sub Objectives to SC Events).	11.68	3.1.1		x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0069	G-TSCMIS shall provide the capability to generate Monthly reports (e.g., by country or agency).	11.69			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0070	G-TSCMIS shall provide the capability to generate Executive Overviews (e.g., agency overview, agency to country overview, country overview, country group overview).	11.70			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0071	G-TSCMIS shall provide a capability to automatically produce a fact sheet that provides summary information (who, what, when, where, why, how, historic examples, lessons learned, and event prerequisites) about a particular SC activity/event.	11.71				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0072	G-TSCMIS shall provide a capability to semi-automatically produce a report in various required formats (e.g., the National Security Council's Significant Military Exercise Briefing (SMEB) format).	11.72				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0073	G-TSCMIS system shall collate and categorize completed event assessments for use by planners, managers, analysts and decision makers.	11.73			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0074	G-TSCMIS shall provide the capability for SC participants to generate Event Assessment reports.	11.74			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0075	G-TSCMIS shall provide a capability to produce, by Guidance for the Employment of the Force (GEF) categories, an assessment of how SC activities achieved themes and objectives identified in the GEF (based on a user-defined timeframe).	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2	G-TSCMIS shall provide the capability to Link SC activities to Guidance for Employment of the Force (GEF) elements (i.e., themes and objectives).	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1	G-TSCMIS shall provide a 5-tier objective capability.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.1	The End State objective shall be the top, global level objective.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.1.1	The End State objective shall be invisible to event owners.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.1.2	The End State objective shall be entered by Global SC Data Manager users only.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.2	The Theater objective shall be a child objective to the End State objective	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.2.1	The Theater objective shall be invisible to event owners.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.2.2	The Theater objective shall be entered by COCOMs only.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.3	The Intermediate Military objective shall be a child objective to the Line of Effort objective.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.3.1	The Intermediate Military objective shall be visible to event owners.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.3.2	The Intermediate Military objective shall be entered by COCOMs only.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.4	The Country objective shall be a child objective to the Intermediate Military objective.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.4.1	The Country objective shall be visible to event owners.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.4.2	The Country objective shall be entered by Organizational SC Data Manager users only.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.5	The Line of Effort objective shall be a child objective to the Theater Objective.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.6	The Line of Effort objective shall be visible to event owners.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.2.1.7	The Line of Effort objective shall be entered by COCOMs only.	11.75				x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0075.3	G-TSCMIS shall provide the capability to Link SC activities to CCDR elements (i.e., goals and objectives).	11.75			x	x	x
1.1.2.4.1	Data Exposure Services (CRUD)	GTSCMIS-FUNCREQ-0076	G-TSCMIS shall provide a capability to perform an Event Assessment upon completion of an SC event to include: ratings for event execution, assessment for event success in support of engagement objectives, and an opinion on event scope/frequency (i.e., increase, decrease or maintain current level).	11.76			x	x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0077	G-TSCMIS shall provide a capability that displays how SC activities are progressing towards achievement of goals/themes/objectives/ end states.	11.77				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0078	G-TSCMIS shall provide a capability to compare/deconflict DoD SC activities with non-DoD activities to identify duplicative efforts and to assist with allocating future resources towards achieving desired objectives/end states.	11.78				x	x
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0078.2	G-TSCMIS shall provide manual tools for queries which identify duplicative and overlapping activities based on parameters that include objective, location and time	11.78			x	x	
1.1.2.2.2	Reporting Services	GTSCMIS-FUNCREQ-0078.2-1	G-TSCMIS shall support automated tools for queries which identify duplicative and overlapping activities based on parameters that include objective, location and time	11.78					x
1.1.2.3.1	Graphical User Interface (GUI)	GTSCMIS-FUNCREQ-0078.3	G-TSCMIS shall provide geo-spatial display that enables visualization/deconfliction of DoD and Non-DoD activities	11.78			x	x	x
1.1.2.2.1	Planning Services	GTSCMIS-FUNCREQ-0081	G-TSCMIS shall provide a capability to prioritize SC events.	11.81				x	x

1.1.2.2.1	Planning Services	GTSCMIS-FUNCREQ-0081.1	G-TSCMIS shall provide a capability for authorized sysadmin user to create SC event priorities	11.81				x	
1.1.2.2.1	Planning Services	GTSCMIS-FUNCREQ-0081.2	G-TSCMIS shall provide a capability for users to prioritize SC events manually using established priority categories.	11.81				x	x
Not in WBS	Not in WBS	GTSCMIS-FUNCREQ-0083	G-TSCMIS shall provide the capability to operate in a Disconnected, Intermittent, or Limited bandwidth (DIL) environment.	11.83					x
1.1.2.4.2	Data Export Services	GTSCMIS-FUNCREQ-0083.1	G-TSCMIS shall provide capabilities for users to export SC data to standard office automation tools that can be used offline and uploaded when reconnected.	11.83					x
1.1.2.2.1	Planning Services	GTSCMIS-FUNCREQ-0084	G-TSCMIS shall provide the capability to electronically approve SC events.	11.84				x	x
1.1.2.5.4	Auditing Services	GTSCMIS-FUNCREQ-0084.2	The G-TSCMIS auditing capability shall provide tracking of all approvals	11.84					x
<b>Architecture Requirements (derived from Joint C2 Architecture)</b>									
		GTSCMIS-ARCHREQ-001	G-TSCMIS shall be physically instantiated as one or more deployment packages.			Joint C2 Reference Architecture V3.0 Section 2.2.2, A377		x	x
		GTSCMIS-ARCHREQ-002	G-TSCMIS shall function within the Global Information Grid (GIG) Computing Node virtualized environment.			Joint C2 Reference Architecture V3.0 A292, A025, A188	x	x	x
		GTSCMIS-ARCHREQ-003	G-TSCMIS shall be delivered as one or more deployment packages (executable machines).			Joint C2 Reference Architecture V3.0 Section 2.2.2, A377	x	x	x
		GTSCMIS-ARCHREQ-004	G-TSCMIS shall run on x86-based Central Processing Units (CPUs).			Joint C2 Reference Architecture V3.0 A004	x	x	x
		GTSCMIS-ARCHREQ-005-1	G-TSCMIS resource requirements shall be documented in a set of "Terms of Use Metrics" specifying the minimum resource requirements for hosting and operating the deployment package			Joint C2 Reference Architecture V3.0 A005			x
		GTSCMIS-ARCHREQ-007	G-TSCMIS shall provide Continuity of Operations (COOP) capability which enables failover to a another configuration within the same geographically located site within one hour			Joint C2 Reference Architecture V3.0 A196, A201	x		
		GTSCMIS-ARCHREQ-009-1	All new user interfaces associated with non privileged users shall have a widget equivalents unless otherwise agreed upon with the government.			Joint C2 Reference Architecture V3.0 A026			x
		GTSCMIS-ARCHREQ-009-2	5 existing user capabilities (e.g., executive overview, gantt) should have widget equivalents developed. At a minimum this should include the flexible query user capability. Existing user capabilities should be identified by CDR for government approval.			Joint C2 Reference Architecture V3.0 A026			x
		GTSCMIS-ARCHREQ-010	G-TSCMIS widgets should not contain extensive code other than what is needed for the user interface. Widgets should call services to accomplish major business logic functions			Joint C2 Reference Architecture V3.0 A219		x	x
		GTSCMIS-ARCHREQ-011	G-TSCMIS Widgets shall use G-TSCMIS services for integration with G-TSCMIS data and functions			Joint C2 Reference Architecture V3.0 A014		x	x
		GTSCMIS-ARCHREQ-012-1	G-TSCMIS widgets shall be registered in the JC2CUI/Enterprise Storefront widget framework.			Joint C2 Reference Architecture V3.0 A015, A392		x	x
		GTSCMIS-ARCHREQ-013	G-TSCMIS thin client presentation interfaces shall conform to the HTML or XHTML standards, and not use browser-specific extensions.			Joint C2 Reference Architecture V3.0 A016	x	x	x
		GTSCMIS-ARCHREQ-014	G-TSCMIS thin client presentation interfaces shall use an approved version of Java for any applets.				x	x	
		GTSCMIS-ARCHREQ-015	G-TSCMIS thin client presentation interfaces shall use an approved version of Adobe® Flash® for any Flash-based applications.				x	x	
		GTSCMIS-ARCHREQ-016	G-TSCMIS thin client presentation interfaces shall function correctly in Microsoft Internet Explorer, version 7.0 or later, and Mozilla Firefox, version 3.5 or later.				x	x	
		GTSCMIS-ARCHREQ-016-1	G-TSCMIS shall operate within the following browser capabilities unless approved by the government: 1. images: PNG, JPEG 2. HTTP + SSL/TLS 3. HTML 4.01 STRICT 4. Cookies 5. Client Certificate Enabled Browser 6. DOM 1 7. ECMAScript 2/JavaScript 8. CSS 2 9. XMLHttpRequest (AJAX)			Joint C2 Reference Architecture V3.0 A019			x
		GTSCMIS-ARCHREQ-016-2	G-TSCMIS shall detect browser capabilities and notify the user if their browser does not support a capability being used			Joint C2 Reference Architecture V3.0 A019			x

	GTSCMIS-ARCHREQ-017	G-TSCMIS rich clients developed for use by the G-TSCMIS community shall be able to use Machine-to-machine (M2M) interfaces that use Joint C2 standard interfaces and APIs. (No current requirement for rich client)			Joint C2 Reference Architecture V3.0 A020	x		
	GTSCMIS-ARCHREQ-019	G-TSCMIS service interfaces built to comply with the Joint C2 Objective Architecture shall use TCP/IP.			Joint C2 Reference Architecture V3.0 A028		x	x
	GTSCMIS-ARCHREQ-020	G-TSCMIS shall use one of the following operating systems: Red Hat Enterprise Linux 5 or later Solaris x86 10 or later <del>Windows Server 2008 or later (unless approved otherwise by Govt at PDR)</del>			Joint C2 Reference Architecture V3.0 A030	x		
	GTSCMIS-ARCHREQ-020-1	G-TSCMIS shall use one of the following operating systems: Linux or Windows version selected at contract award.			Joint C2 Reference Architecture V3.0 A030		x	x
	GTSCMIS-ARCHREQ-021	G-TSCMIS shall provide an Interface Design Description (IDD) that describes the service interfaces in enough detail that a developer could easily implement a connection to each of the G-TSCMIS services			Joint C2 Reference Architecture V3.0 A032, A115r1		x	x
	GTSCMIS-ARCHREQ-022	G-TSCMIS shall present a single logical access point for each service to the consumer/user, resulting in the physical location of the being transparent to the consumer/user.			Joint C2 Reference Architecture V3.0 A050	x	x	x
	GTSCMIS-ARCHREQ-022-1	G-TSCMIS shall present a single logical access point for each service to the consumer/user, resulting in the physical location being transparent to the consumer/user.			Joint C2 Reference Architecture V3.0 A050			x
	GTSCMIS-ARCHREQ-025	G-TSCMIS service interfaces shall isolate the consumer from the database structure of the provider.			Joint C2 Reference Architecture V3.0 A037r1, A014, A630	x	x	x
	GTSCMIS-ARCHREQ-026	G-TSCMIS shall not offer a public direct interface to a database, such as a database connection using a database driver (e.g., JDBC).			Joint C2 Reference Architecture V3.0 A037r1, A014	x	x	x
	GTSCMIS-ARCHREQ-027	G-TSCMIS geospatial services and applications used by G-TSCMIS shall adhere to the OpenGIS® standards of the Open Geospatial Consortium, Inc.® (OGC).			Joint C2 Reference Architecture V3.0 A038	x	x	
	GTSCMIS-ARCHREQ-028	G-TSCMIS shall use Enterprise Messaging, for asynchronous point-to-point communications between G-TSCMIS and other applications.			Joint C2 Reference Architecture V3.0 A040, A207, A290	x	x	x
	GTSCMIS-ARCHREQ-029	G-TSCMIS should use the publish and subscribe capabilities of Enterprise Messaging for distributing asynchronous publish and subscribe data between G-TSCMIS and other applications. RSS or Atom as a mechanism for notifying end-users of simple events may be used, however, the M2M "publish and subscribe" mechanism provided by Enterprise Messaging is preferred			Joint C2 Reference Architecture V3.0 A040, A041	x	x	x
	GTSCMIS-ARCHREQ-029-1	G-TSCMIS shall use the publish and subscribe capabilities of Enterprise Messaging for distributing asynchronous publish and subscribe data between G-TSCMIS and other applications.			Joint C2 Reference Architecture V3.0 A041		x	x
	GTSCMIS-ARCHREQ-030	G-TSCMIS shall provide management interfaces in order to remotely monitor and manage the G-TSCMIS application, including monitoring by the Enterprise Service Management (ESM) service.				x		
	GTSCMIS-ARCHREQ-030.1	G-TSCMIS shall provide the service desk remote system and application management capabilities for the G-TSCMIS application.						x
	GTSCMIS-ARCHREQ-030.2	G-TSCMIS shall provide the service desk remote monitoring capabilities for the G-TSCMIS application (e.g., Enterprise Service Monitoring (ESM) service).						x
	GTSCMIS-ARCHREQ-031	G-TSCMIS shall make resource usage statistics, such as current CPU and memory utilization, available to the operations center.				x	x	x
	GTSCMIS-ARCHREQ-033	G-TSCMIS shall define interfaces such that no knowledge of internal data structure is required to consume the service.			Joint C2 Reference Architecture V3.0 A037r1, A014	x	x	x
	GTSCMIS-ARCHREQ-034	G-TSCMIS services shall be context-free, with the exception of the iterator pattern.			Joint C2 Reference Architecture V3.0 A046		x	x
	GTSCMIS-ARCHREQ-035	G-TSCMIS iterators for SOAP-based services shall use WS-Enumeration.			Joint C2 Reference Architecture V3.0 A047	x	x	x
	GTSCMIS-ARCHREQ-036	G-TSCMIS XML artifacts (e.g., XSD, XSLT, WSDL, OWL) shall be registered in the Metadata Registry (MDR).			Joint C2 Reference Architecture V3.0 A048	x	x	x
	GTSCMIS-ARCHREQ-036-1	G-TSCMIS XML artifacts (e.g., XSD, XSLT, WSDL, OWL) shall be published in the DoD Data Services Environment (DSE) Security Cooperation namespace, beginning with the Developmental Stage artifacts and uploading new versions through the operational lifecycle stage.			Joint C2 Reference Architecture V3.0 A048, A049r1, A051, A054r2, A055, A284, A314, A378		x	x
	GTSCMIS-ARCHREQ-036-2	G-TSCMIS SHOULD post XML vocabularies in a namespace governed by a COI.			Joint C2 Reference Architecture V3.0 A314			x

		GTSCMIS-ARCHREQ-037	G-TSCMIS shall register conceptual G-TSCMIS services in the NIPR Data Services Environment			Joint C2 Reference Architecture V3.0 A048, A049r1, A051, A054r2, A055, A284, A314, A378	x	x	x
		GTSCMIS-ARCHREQ-037-1	G-TSCMIS services shall be published in the NIPR DoD Data Services Environment (DSE) during the developmental lifecycle stage and updated thru the operational lifecycle stage, including logical endpoints as they become known.			Joint C2 Reference Architecture V3.0 A048, A049r1, A051, A054r2, A055, A284, A314, A378		x	x
		GTSCMIS-ARCHREQ-038	G-TSCMIS Logical end points of each service shall be registered in the Service Registry. (Govt Role)			Joint C2 Reference Architecture V3.0 A048, A049r1, A051, A054r2, A055, A284, A314, A378		x	x
		GTSCMIS-ARCHREQ-039	G-TSCMIS shall upload the applicable data usage agreements as part of the service registration activities (Govt Role using contractor provided data)			Joint C2 Reference Architecture V3.0 A052	x	x	x
		GTSCMIS-ARCHREQ-039-1	G-TSCMIS shall include a use agreement form as amplifying information in the metadata submission package published in the DoD Data Services Environment (DSE).			Joint C2 Reference Architecture V3.0 A052			x
		GTSCMIS-ARCHREQ-040	G-TSCMIS shall upload the Service Level Agreement (SLA) as part of the service registration activities.			Joint C2 Reference Architecture V3.0 A251, A053, A360.	x	x	x
		GTSCMIS-ARCHREQ-041	G-TSCMIS shall upload the technical documentation for the service interface as part of the service registration activities.			Joint C2 Reference Architecture V3.0 A054r1, A215r1	x	x	x
		GTSCMIS-ARCHREQ-041-1	G-TSCMIS technical documentation for the service interface, including the IDD, shall be uploaded as part of the service publishing activities.			Joint C2 Reference Architecture V3.0 A054r1, A215r1		x	x
		GTSCMIS-ARCHREQ-042	G-TSCMIS shall assert relationships to existing artifacts when a new version for an XML artifact is registered in the DSE.			Joint C2 Reference Architecture V3.0 A055	x	x	x
		GTSCMIS-ARCHREQ-042-1	Relationships to existing G-TSCMIS XML artifacts will be asserted when a new version of a G-TSCMIS XML artifact is published in the DoD Data Services Environment (DSE)			Joint C2 Reference Architecture V3.0 A055		x	x
		GTSCMIS-ARCHREQ-043	G-TSCMIS shall use registered formats (i.e., those registered in the DoD Data Services Environment) to encode common aspects of information resources.				x	x	x
		GTSCMIS-ARCHREQ-043-1	G-TSCMIS should use established formats (i.e., those published in the DoD Data Services Environment) to encode common aspects of information resources.						x
		GTSCMIS-ARCHREQ-044	G-TSCMIS shall subscribe to any XML artifact registered in the DSE that is used in their service implementation using the MDR subscription capability.				x	x	x
		GTSCMIS-ARCHREQ-044-1	G-TSCMIS developers should subscribe to any XML artifact published in the DoD Data Services Environment that is used in their service implementation using the DSE subscription capability.			Joint C2 Reference Architecture V3.0 A057			x
		GTSCMIS-ARCHREQ-045	G-TSCMIS XML schemas shall be defined as an external XSD file and not within the WSDL for the service.				x	x	x
		GTSCMIS-ARCHREQ-046	G-TSCMIS XML schemas shall contain the UCore primitives for defining the "what?", "who?" "where?" and "when?".			JC2 Data Architecture v2.1, ADR A061	x	x	x
		GTSCMIS-ARCHREQ-047	G-TSCMIS XML vocabulary components shall include horizontal vocabularies to define common concepts that cut across various vocabularies.			Joint C2 Reference Architecture V3.0 A060r1	x	x	x
		GTSCMIS-ARCHREQ-048	G-TSCMIS XML Schemas should adopt the hierarchy of vocabularies (UCore, Horizontal Vocabularies, C2 Core, and other Common Cores) and COI for their information exchanges.				x	x	
		GTSCMIS-ARCHREQ-049	G-TSCMIS shall use of taxonomies encoded in OWL for the "what" and the "who" concepts for all G-TSCMIS information exchanges.				x		
		GTSCMIS-ARCHREQ-050	G-TSCMIS developers shall develop taxonomies to extend the UCore taxonomies to add additional semantics to the "What and Who" interrogatives in a UCore message.				x	x	x
		GTSCMIS-ARCHREQ-051	G-TSCMIS services based on a RESTful architectural style shall use media types with well-defined semantics for links and link relations.				x		
		GTSCMIS-ARCHREQ-051-1	G-TSCMIS developers SHALL use media types that are hypermedia-aware to describe links, link relations (what the link means), parsing instructions, and, more importantly, processing rules.			Joint C2 Reference Architecture V3.0 A334			x
		GTSCMIS-ARCHREQ-052	G-TSCMIS shall use the Discovery Metadata Specification (DDMS) to encode metacards for the discovery of G-TSCMIS-related data resources and data assets based on guidance from the data owners.			Joint C2 Reference Architecture V3.0 A066	x	x	x

	GTSCMIS-ARCHREQ-053	G-TSCMIS discovery metacards for information resources shall be registered in the Enterprise or local catalog.			Joint C2 Reference Architecture V3.0 A067r1	x		
	GTSCMIS-ARCHREQ-053-1	G-TSCMIS discovery metacards for information resources shall be registered in the Enterprise catalog.			Joint C2 Reference Architecture V3.0 A067r1			x
	GTSCMIS-ARCHREQ-054	G-TSCMIS discovery of information assets (instance data) at execution time should be done using an a priori, event-driven or layered pattern, or a combination of these patterns based on guidance from the data owners.			Joint C2 Reference Architecture V3.0 A069	x		
	GTSCMIS-ARCHREQ-055	G-TSCMIS shall apply security tags to discovery metadata using the lowest security classification level possible.			Joint C2 Reference Architecture V3.0 A070r1	x	x	x
	GTSCMIS-ARCHREQ-056	G-TSCMIS search service that federates with the Enterprise FedSearch capability shall support the OpenSearch specification.			Joint C2 Reference Architecture V3.0 A222	x	x	
	GTSCMIS-ARCHREQ-057	G-TSCMIS services shall tag and populate data resources with IC-ISM security attributes.			Joint C2 Reference Architecture V3.0 A070r1, A072r1, A073, A225	x	x	x
	GTSCMIS-ARCHREQ-057.1	Material developers SHALL include mandatory IC-ISM NTK security attributes in XML messages.			Joint C2 Reference Architecture V3.0 A363			x
	GTSCMIS-ARCHREQ-058	G-TSCMIS shall follow the CAPCO guidance for using security markings in XML elements following a tear-line pattern .			Joint C2 Reference Architecture V3.0 A073	x	x	x
	GTSCMIS-ARCHREQ-059	G-TSCMIS CDS requirements for sharing information across security domains shall be addressed in the design of XML schemas			Joint C2 Reference Architecture V3.0 A074R1	x	x	x
	GTSCMIS-ARCHREQ-061	G-TSCMIS geospatial services shall use GML to encode geospatial data with temporal representations associated with information resources.			Joint C2 Reference Architecture V3.0 A076	x	x	x
	GTSCMIS-ARCHREQ-061-1	G-TSCMIS geospatial data shall use GML to encode geospatial data with temporal representations associated with information resources.			Joint C2 Reference Architecture V3.0 A076			x
	GTSCMIS-ARCHREQ-062	G-TSCMIS geospatial services shall use the GML time types (subset of ISO 19108), version to encode temporal information for geospatial data.			Joint C2 Reference Architecture V3.0 A077	x	x	x
	GTSCMIS-ARCHREQ-062-1	G-TSCMIS geospatial data shall use the GML time types (subset of ISO 19108), version to encode temporal information for geospatial data.			Joint C2 Reference Architecture V3.0 A077			x
	GTSCMIS-ARCHREQ-063	G-TSCMIS geospatial services should implement GML profiles only as supersets of the GML profile specified by TSPI.			Joint C2 Reference Architecture V3.0 A285	x		
	GTSCMIS-ARCHREQ-064	G-TSCMIS geospatial services should reuse the TSPI shapes needed for their implementation.			Joint C2 Reference Architecture V3.0 A079	x		
	GTSCMIS-ARCHREQ-064-1	G-TSCMIS geospatial data should reuse the TSPI shapes needed for their implementation.			Joint C2 Reference Architecture V3.0 A079			x
	GTSCMIS-ARCHREQ-065	G-TSCMIS should register new GML shapes in accordance to the TSPI guidance.			Joint C2 Reference Architecture V3.0 A080	x	x	x
	GTSCMIS-ARCHREQ-066	G-TSCMIS shall use the TSPI specification to encode a Geo Name.				x	x	x
	GTSCMIS-ARCHREQ-067	G-TSCMIS may use OGC-KML to visualize geospatial data on a map when the data is exchanged between a web service and a presentation service.			Joint C2 Reference Architecture V3.0 A082r1	x	x	
	GTSCMIS-ARCHREQ-067-1	G-TSCMIS may use OGC-KML to visualize geospatial data on a map.			Joint C2 Reference Architecture V3.0 A082r1			x
	GTSCMIS-ARCHREQ-068	G-TSCMIS shall make trust discovery metadata available, such as asset pedigree and digital rights (intellectual property) protections for information assets.				x		
	GTSCMIS-ARCHREQ-069	G-TSCMIS sensitive data fields shall be encrypted to comply with federal laws (e.g. HIPPA) or specific military Service policies.			Joint C2 Reference Architecture V3.0 A084r1	x	x	
	GTSCMIS-ARCHREQ-072	G-TSCMIS shall conform to the appropriate security controls in accordance with DoDI 8500.2.				x	x	x
	GTSCMIS-ARCHREQ-073-1	G-TSCMIS shall operate with Host-Based Security System (HBSS) deployed.			Joint C2 Reference Architecture V3.0 A090		x	x
	GTSCMIS-ARCHREQ-075-1	G-TSCMIS shall operate with antivirus software deployed.			Joint C2 Reference Architecture V3.0 A090		x	x

	GTSCMIS-ARCHREQ-077	G-TSCMIS deployment packages shall include all applicable Public Key Infrastructure (PKI) trust anchor certificates needed for validating that incoming certificates have been signed by a trusted signer, as part of the CP's suite of COTS and GOTS software.			Joint C2 Reference Architecture V3.0 A094	x	x	x
	GTSCMIS-ARCHREQ-077.1	G-TSCMIS security and hosting agreements SHALL address trusted certificate authorities.			Joint C2 Reference Architecture V3.0 A300			x
	GTSCMIS-ARCHREQ-078	G-TSCMIS deployment packages (DP) that are virtual machines shall include a DoD Public Key Infrastructure (PKI) server certificate as part of the CP's suite of Government-Off-The-Shelf software. Otherwise the server shall include a DoD PKI server certificate.				x	x	x
	GTSCMIS-ARCHREQ-079	G-TSCMIS may, if the enterprise RCVS is not available for PK-certificate validation, use an Online Certificate Status Protocol (OCSP) responder provided by a military service or a locally maintained cache of the Certificate Revocation List (CRL).			Joint C2 Reference Architecture V3.0 A309	x	x	
	GTSCMIS-ARCHREQ-079-1	G-TSCMIS may, if the PK-certificate validation service is not available, use an Online Certificate Status Protocol (OCSP) responder provided by a military service or a locally maintained cache of the Certificate Revocation List (CRL) with a refresh rate of no less than once every 24 hours.			Joint C2 Reference Architecture V3.0 A309			x
	GTSCMIS-ARCHREQ-080	G-TSCMIS user authentication should employ the DoD PK-certificates and hardware certificates (e.g., Common Access Cards) or software certificates issued to the user by trusted certificate authorities.			Joint C2 Reference Architecture V3.0 A097	x	x	
	GTSCMIS-ARCHREQ-080-1	G-TSCMIS user authentication shall employ the DoD PK-certificates and hardware certificates (e.g., Common Access Cards) issued to the user by trusted certificate authorities.			Joint C2 Reference Architecture V3.0 A097			x
	GTSCMIS-ARCHREQ-081-2	G-TSCMIS security and hosting agreements SHALL address the use of PEP agent software by the Joint C2 DPs, if PEP agents are required.			Joint C2 Reference Architecture V3.0 A297			x
	GTSCMIS-ARCHREQ-081	G-TSCMIS shall use a Policy Enforcement Point (PEP) to perform authentication, when authentication is required.				x		
	GTSCMIS-ARCHREQ-081-1	G-TSCMIS shall use a Policy Enforcement Point (PEP) to perform authentication and facilitate data authorization decisions.			Joint C2 Reference Architecture V3.0 A159r1			x
	GTSCMIS-ARCHREQ-082	G-TSCMIS authentication shall be capable of producing and consuming Security Assertion Markup Language (SAML) assertions that conform to the specification in the DoD IC SOA SRA, Section 2.2.1.3.			Joint C2 Reference Architecture V3.0 A099	x	x	x
	GTSCMIS-ARCHREQ-082-1	If SAML assertions are used to convey information between domains, the federation trust agreement SHOULD identify: (1) the set of authorized signers of the SAML assertions, (2) the appropriate and approved actions to be taken upon receipt of any given SAML assertion, and (3) audit requirements to ensure compliance with the above.			Joint C2 Reference Architecture V3.0 A307			x
	GTSCMIS-ARCHREQ-083	G-TSCMIS, as an authenticating application, shall be able to propagate the user's identity, the method of authentication (e.g., PKI, username/password, or other credential), and the context under which the user is authenticated, and provide a unique identifier for the authenticated consumer along with the Web service request.			Joint C2 Reference Architecture V3.0 A100	x		
	GTSCMIS-ARCHREQ-083-1	G-TSCMIS services SHOULD use shared security services to perform authentication and authorization.			Joint C2 Reference Architecture V3.0 A308r1			x
	GTSCMIS-ARCHREQ-084	G-TSCMIS authorization rules shall be documented for each data object.			Joint C2 Reference Architecture V3.0 A101	x		
	GTSCMIS-ARCHREQ-085	G-TSCMIS capability providers shall use a Policy Enforcement Point (PEP), Policy Decision Point (PDP), policy store to perform authorization, when authorization is required.				x		
	GTSCMIS-ARCHREQ-088-1	G-TSCMIS shall ensure that system time is utilized for any time related function within the application.			Joint C2 Reference Architecture V3.0 A105			x
	GTSCMIS-ARCHREQ-090	G-TSCMIS shall, to provide non-repudiation if required, either convey the user's identity to the providing service or maintain an audit log that could be used to identify the user.				x		
	GTSCMIS-ARCHREQ-091	G-TSCMIS services shall utilize XACML as the standard for interoperable exchange of authorization policies.				x		
	GTSCMIS-ARCHREQ-091-1	G-TSCMIS shall utilize XACML for defining and exchanging authorization policies.			Joint C2 Reference Architecture V3.0 ADR A176			x
	GTSCMIS-ARCHREQ-092	G-TSCMIS shall apply confidentiality protection requirements (e.g., for read-access protection of need-to-know data, privacy data) in accordance with guidance from data owners.				x		
	GTSCMIS-ARCHREQ-093	G-TSCMIS shall apply integrity protection requirements (e.g., for write access) in accordance with guidance from data owners.				x		
	GTSCMIS-ARCHREQ-094	G-TSCMIS communications that require confidentiality protection beyond that provided by the physical security protection of the infrastructure or network Type 1 encryption shall be encrypted using either XML encryption of the message or part of the message, or TLS encryption.				x		
	GTSCMIS-ARCHREQ-095	G-TSCMIS communications integrity requirements shall be addressed by either message signing using XML-Signature, or TLS.				x		

	GTSCMIS-ARCHREQ-096	G-TSCMIS security controls for Web service communication shall be selected from Appendix E of the DoD and IC SOA Security Reference Architecture V3.0 based on risk assessment.			Joint C2 Reference Architecture V3.0 A113		x	x
	GTSCMIS-ARCHREQ-097	G-TSCMIS capability providers shall support security (confidentiality, integrity, and non-repudiation) for both SOAP and RESTful communications as applicable.			Joint C2 Reference Architecture V3.0 A114r1	x	x	x
	GTSCMIS-ARCHREQ-098	G-TSCMIS shall include the security interface definition (e.g., security controls) as part of the Interface Design Description (IDD) for use by users and G-TSCMIS capability providers.			Joint C2 Reference Architecture V3.0 A115r1, A032	x	x	x
	GTSCMIS-ARCHREQ-099	G-TSCMIS security interfaces for RESTful resources shall be published with the service description.				x		
	GTSCMIS-ARCHREQ-100	G-TSCMIS service developers shall perform a security risk assessment to select appropriate security controls for confidentiality, integrity, and non-repudiation from Table 1 of the JC2 IA View, and implement the selected controls.			A117 Deleted	x		
	GTSCMIS-ARCHREQ-101	G-TSCMIS shall, when XML-Encryption is used with REST-based messages, describe the encryption (e.g., how to determine the key to be used in the encryption) in an IDD.			Joint C2 Reference Architecture V3.0 A118r1	x		
	GTSCMIS-ARCHREQ-102	G-TSCMIS shall, when XML-Signature is used for G-TSCMIS REST-based messages, include in the IDD the way in which the data is signed and the portions that are signed				x		
	GTSCMIS-ARCHREQ-103	G-TSCMIS SOAP-based web services shall implement risk-based security controls for machine-to-machine interactions, where the selected controls comply with WS-Security standards.				x		
	GTSCMIS-ARCHREQ-104	G-TSCMIS metadata integrity and the trust of its binding to the data it describes shall be maintained.				x		
	GTSCMIS-ARCHREQ-105	G-TSCMIS shall implement access controls consistent with operationally-defined dissemination controls.				x		
	GTSCMIS-ARCHREQ-107	G-TSCMIS business process for registering G-TSCMIS users and assigning them roles shall address the default attributes/roles that will be assumed for the unanticipated (but valid) DoD user.			Joint C2 Reference Architecture V3.0 A281	x	x	x
	GTSCMIS-ARCHREQ-108	G-TSCMIS shall use the attribute services and attributes provided by infrastructure providers and attributes defined by data owners to manage access to G-TSCMIS services.			Joint C2 Reference Architecture V3.0 A280	x	x	x
	GTSCMIS-ARCHREQ-109	G-TSCMIS-related organizations that are authoritative sources for attributes will maintain the mapping of user identities to attributes.				x		
	GTSCMIS-ARCHREQ-110	G-TSCMIS shared trust implementation agreements that include SAML shall include: (1) The set of authorized signers of the SAML assertions; (2) The appropriate and approved actions to be taken upon receipt of any given SAML assertion; and (3) Audit requirements to assure compliance with the above				x		
	GTSCMIS-ARCHREQ-113	G-TSCMIS Shared identity and access management areas shall provide for trust in the systems and their connections to allow a user to authenticate once to the area; then, that authentication may be shared by G-TSCMIS capability providers in the area.				x		
	GTSCMIS-ARCHREQ-114	G-TSCMIS shall establish network, semantic, and trust agreements with providers of other services/systems with which they intend to federate and share information.			Joint C2 Reference Architecture V3.0 A131	x		
	GTSCMIS-ARCHREQ-114-1	G-TSCMIS thin client presentation interfaces shall use an approved version of Java or .NET framework for any applets.			no direct mapping in Joint C2 RA V3.0			x
	GTSCMIS-ARCHREQ-115	G-TSCMIS shall use Cross-Domain Enterprise Services (CDES) for cross domain information flow, unless not suitable under Quality of Service parameters.			Joint C2 Reference Architecture V3.0 A364, A132r1	x	x	x
	GTSCMIS-ARCHREQ-116	G-TSCMIS shall use a UCDMO-approved CDS, if CDES is not appropriate,			Joint C2 Reference Architecture V3.0 A132r1		x	x
	GTSCMIS-ARCHREQ-117	G-TSCMIS shall be implemented using the applicable standards listed in the Joint C2 Standards Profile.			Joint C2 Reference Architecture V3.0 Tables 12 &13	x	x	x
	GTSCMIS-ARCHREQ-118	G-TSCMIS user interface shall comply with MIL-STD-1472G Section 5.1.2.1.4.						x
	GTSCMIS-ARCHREQ-119	G-TSCMIS user interface shall comply with MIL-STD-1472G Section 5.1.2.1.5.						x
	GTSCMIS-ARCHREQ-120	G-TSCMIS user interface shall comply with MIL-STD-1472G Section 5.1.3.4.						x
	GTSCMIS-ARCHREQ-121	G-TSCMIS user interface shall comply with MIL-STD-1472G Section 5.2.2.						x
	GTSCMIS-ARCHREQ-122	G-TSCMIS user interface shall comply with ANSI/HFES 200 Part 3, Section 8.						x
	GTSCMIS-ARCHREQ-123	G-TSCMIS user interface shall comply with ANSI/HFES 200 Part 3, Section 11.						x
	GTSCMIS-ARCHREQ-124	G-TSCMIS user interface shall comply with ANSI/HFES 200 Part 5, Section 5.						x
	GTSCMIS-ARCHREQ-125	G-TSCMIS user interface shall comply with ANSI/HFES 200 Part 5, Section 6.						x
	GTSCMIS-ARCHREQ-126	G-TSCMIS user interface shall warn users at least 60 seconds before it is programmed to 'time out' so they can request additional time.						x
	GTSCMIS-ARCHREQ-127	G-TSCMIS user interface shall enable users to access the homepage from any other web page.						x
	GTSCMIS-ARCHREQ-128	G-TSCMIS user interface shall visually align elements, either vertically or horizontally.						x
	GTSCMIS-ARCHREQ-129	G-TSCMIS user interface shall group and place navigation elements in a consistent and easy to find place.						x



**APPENDIX B      ACRONYM LIST**

<b>Acronym</b>	<b>Definition</b>
BDTR	Build Decision Technical Review
CDP	Capability Definition Package
COI	Community of Interest
G-TSCMIS	Global – Theater Security Cooperative Management Information System
MC2	Maritime Command and Control
SSI	Source Selection Information
SRS-RTM	System Requirements Specification-Requirements Traceability Matrix
WBS	Work Breakdown Structure