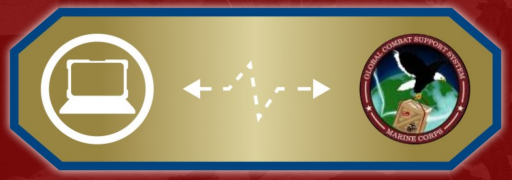
DESKTOP INTEGRATED FRAMEWORK (DIF)



Desktop Integrated Framework (DIF) consists of Excel-based forms that allow Marines to input minimal information needed to create/update Service Requests (SRs) and easily download/upload to GCSS-MC on a low-bandwidth/high-latency environment (disadvantaged) without data loss. In addition, DIF provides the user the capability to make data entries and work toward increasing equipment readiness when network connections to GCSS-MC are not ideal.

TARGET USER

The military and civilian personnel from all commodities performing maintenance fulfillment or supervisory activities the DIF application.

WHEN TO EMPLOY

Users can use DIF in disconnected, intermittent internet and disadvantaged, low bandwidth/ high-latency environments.

LIMITATIONS

While DIF does not provide all the features and functionality of GCSS-MC, it does allow the user speed and ease of use for entering required SR information and limited tasks into an Excel form that can be saved on the user's desktop and uploaded to populate data in to GCSS-MC on a disadvantaged network connection automatically.

DENIED, DEGRADED, INTERMITTENT, AND LOW BANDWIDTH MARINE CORPS LOGISTICS (DDIL MC LOG)

DDIL MC Log employs a web and mobile application, cloud server, and Forward Deployed Edge Servers (FDES) to provide Marines access to a set of GCSS-MC capabilities in a disadvantaged / disconnected environment. Using the DDIL MC Log web or mobile application, GCSS-MC users create and maintain supply and maintenance data that is stored on the FDES. The FDES passes the data to the cloud server when connections are available. The cloud server provides user data to GCSS-MC through a persistent network connection passing data back from GCSS-MC to the FDES and the user on demand.

TARGET USER

Maintenance and Supply military and civilian personnel communities that will be performing maintenance fulfillment or supervisory activities in a disconnected mode while conducting forward deployed operations afloat or ashore.

WHEN TO EMPLOY

Users in all environments to include expeditionary tactical networks, disconnected operations, intermittent network connections, and disadvantaged low bandwidth/ high-latency environments.

LIMITATIONS

Does require periodic synch between FDES and Enterprise, which can be done even under constrained network conditions. By design only supports a specified sub-set key of GCSS-MC logistics functions.

LOGISTICS INTEGRATED INFORMATION SOLUTIONS
MARINE CORPS

GLOBAL COMBAT SUPPORT SYSTEM-MARINE CORPS (GCSS-MC)

DISADVANTAGED/DISCONNECTED CAPABILITIES

To support connectivity in any environment, GCSS-MC is developing capabilities to sustain operations in connected and disconnected modes while

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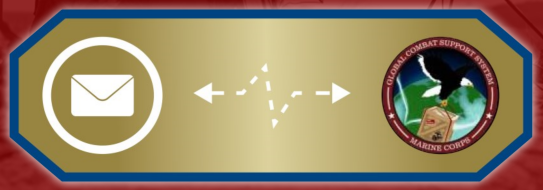
MOBILE FIELD SERVICE (MFS)



Mobile Field Service (MFS) is a mobile application providing Marines the ability to execute a subset of maintenance and supply functionality in an "austere network connectivity" environment. The term "austere network connectivity" relates to operational conditions where GCSS-MC users cannot connect to GCSS-MC or network connectivity is not robust enough to enable active transactional data entry. Users then synchronize updates with GCSS-MC when the network services are available.

TARGET USER

The military and civilian personnel from all commodities performing maintenance fulfillment or supervisory activities in the MFS application.

WHEN TO EMPLOY

Users are able to use MFS in disconnected, intermittent, and low bandwidth/ high-latency environments.

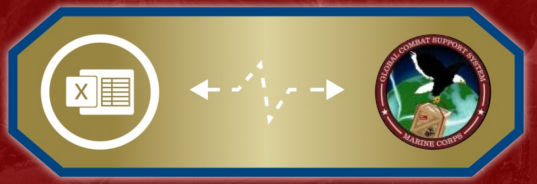
LIMITATIONS

The MFS-enabled computer must establish an interaction with the GCSS-MC Enterprise network (through field-based or connected methods) to synchronize transactions and make them visible to the appropriate responsibilities.

GCSS-MC CAPABILITIES AND THEIR RESPECTIVE USE IN OPERATIONAL ENVIRONMENTS

CAPABILITIES	DIF	MFS	EMQ	DDIL MC LOG
Create or update service request	X	X		X
Request for supply and associated task(s)	X	X	X	X
Request for service and associated task(s)	X	X	X	X
Request for maintenance and associated task(s)	X	X	X	X
Flag operational status		X		X
Order part(s)		X		X
Login/logout		X		X
Approve requests				X
Assign requests to specified organizations		X		X
Receive requests from other organizations		X		X
Display/manage requests		X		X
Attach funding appropriation data to part requests				X
Provide feedback response on actions taken		X		X
Sub-inventory transfers		X		X
Return of spares, secondary, repairable or T/E items		X		X
Read and update task information		X	X	X
Search for parts based on the location of the technician			X	X
Search for substitute parts in the event the primary part is not available to meet the SLA			X	
Search for the availability of required parts		X		X
Request and display via email query the return location(s) for both defective and excess parts			X	
Provide the capability to send the entitlements for serial numbers			X	
OPERATIONAL ENVIRONMENT				
Expeditionary Tactical Network	x	x	x	X
Disconnected (intermittent e-mail only)		X	X	
Disconnected (intermittent internet)	X	X	X	X
Disadvantaged (low bandwidth/ high-latency)	X	X	X	X

EMAIL MOBILE QUERY (EMQ)



Email Mobile Query (EMQ) enhances the capabilities of GCSS-MC system for Marine Corps units by utilizing a simple text E-mail exchange using a .mil account. The user initiates the query with one of 13 predefined seeded commands and receives an email with the requested information. These commands allow the user to receive tasks, gather parts information, and other actions within the requisition process.

TARGET USER

The military and civilian personnel from all commodities performing maintenance fulfillment or supervisory activities in the EMQ application.

WHEN TO EMPLOY

Users are able to use EMQ in a low-bandwidth and high-latency environments.

LIMITATIONS

A user must be registered with MFS in order to use the EMQ capability.