

UNITED STATES MARINE CORPS
MARINE CORPS CIVIL-MILITARY OPERATIONS SCHOOL
WEAPONS TRAINING BATTALION
TRAINING COMMAND
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STUDENT OUTLINE

MARCIMS

0531-112

CIVIL AFFAIRS NON-COMMISSIONED OFFICER COURSE

M02AAPD

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LEARNING OBJECTIVES

a. **TERMINAL LEARNING OBJECTIVE**. Given a mission, Commander's intent, the IM Plan (Annex U) and a CIM plan, operate a civil information management system, to improve the commander's awareness and understanding of the civil component of the OE in accordance with JP 3-57 appendix C. (CACT-EXE-2016)

b. **ENABLING LEARNING OBJECTIVES**

(1) Given a mission, commander's intent, a MARCIMS mobile device, and MARCIMS portal, complete MARCIMS form(s), in accordance with Software User's Manual. (CACT-EXE-2016a)

(2) Given a mission, commander's intent, and MARCIMS portal, create a webpage, in accordance with Software User's Manual. (CACT-EXE-2016b)

(3) Given a template and with the aid of references, prepare an area study, in accordance with the PE checklist. (CACT-EXE-2016c)

1. MARINE CIVIL INFORMATION MANAGEMENT SYSTEM (MARCIMS)

a. MARCIMS was first developed in 2009, giving Marines a tool to capture data and share Civil Information (CI) in support of Civil Military Operations (CMO). MARCIMS is a cloud-based service capability which enables users to collect, organize, analyze, visualize, and ultimately share CI on an unclassified platform.

b. In 2015, MARCIMS was launched in its current Full Operating Capability (FOC) and consists of two major components: MARCIMS Mobile (Figure 1-1) and MARCIMS Portal (Figure 1-2). MARCIMS Mobile is a mobile application (currently hosted on a Samsung Note 3 mobile device) used for data collection in the field. The MARCIMS Portal is a semantic wiki knowledge-based portal (website) for automated information structuring and management. It is important to remember that collection is not exclusive to the mobile app and can be done on the MARCIMS Portal as well. Within the portal, users create queries and build pages to visualize queries in order to share information more effectively.



Figure 1-1:
MARCIMS Mobile Device



Figure 1-2:
MARCIMS Portal

2. MARCIMS OPERATION

a. MARCIMS allows users to create and update pages for their operations and exercises and to populate those pages with queries that allow for analyzation and visualization of data in tables, charts, graphs, and maps based on form submissions.

Users can then engage in discussions, further search data, and build additional pages using the semantic Query Builder.

b. Semantic MediaWiki© (a free, open-source extension to MediaWiki - the wiki software that powers Wikipedia) is the foundation of the MARCIMS Portal. Semantic MediaWiki© contains an underlying knowledge model that captures and maintains relationships between pages (semantic annotation), which can then be queried and/or exported.

3. DATA COLLECTION

a. Data collection uses MARCIMS forms (created based on the Joint Civil Information Management-JCIM forms) to collect information. Traditionally, these forms were filled out using paper forms. Using the mobile MARCIMS device, the forms can be filled out and uploaded to the web portal for more efficiency (note: filling out a hardcopy form in the field is encouraged in case technology fails). Additionally, it is important to rehearse and practice conversations that include the questions from the MARCIMS forms in order to avoid interrupting the flow of conversation when collecting data. Below is a list of some of the forms available on MARCIMS.org:

- (1) Building assessment
- (2) Bridge assessment
- (3) Civilian engagement
- (4) Mass engagement
- (5) Operation/exercise-specific forms
- (6) User generated forms

b. Civil Information can be collected using forms on the mobile device or forms on the MARCIMS Portal (Figure 1-3). Information collected using the MARCIMS Mobile app (once uploaded by the user) or the MARCIMS Portal is automatically integrated into the MARCIMS database. Integration will help CA Marines with collating the information, in order for them to begin analyzing and creating more useful information that will assist the commander in making a more informed decision during planning.

PMESI/ASCOPE	
Has PMSI component	<input type="checkbox"/> Political <input type="checkbox"/> Military <input type="checkbox"/> Economic <input type="checkbox"/> Social <input type="checkbox"/> Infrastructure <input type="checkbox"/> Information
Has ASCOPE component	<input type="checkbox"/> Area <input type="checkbox"/> Structures <input type="checkbox"/> Capabilities <input type="checkbox"/> Organization <input type="checkbox"/> People <input type="checkbox"/> Event
1 Team Information	
Date of Assessment	6 January 2016
Operation Information	
Operation	<input checked="" type="radio"/> None <input type="radio"/> MCTSSA FT <input type="radio"/> MARCIMS Training <input type="radio"/> Cobra Gold 2015 <input type="radio"/> Continuing Promise 2015 <input type="radio"/> Beyond the Horizon 2015 <input type="radio"/> Tradewinds 2015 <input type="radio"/> Black Sea Rotational Force 2015 <input type="radio"/> Balkatan 2015 <input type="radio"/> Panamax 2015 <input type="radio"/> SPMASTF-SC 2015 <input type="radio"/> Phiblex 2015 <input type="radio"/> Other
Team Info	
Country	<input type="text"/>
Province	<input type="text"/>
District	<input type="text"/>
Report Info	
1.3 Report Title (AUTO-ASSIGNED)	
1.4 Report Number (AUTO-ASSIGNED)	
1.5 Classification: UNCLASS	
1.6 Releasability: IAW security classification guide	
Subject	
Subject	<input type="text"/> This is the name of the building you are assessing.
Source Information	
2.1.1 Source	<input type="text"/> First name, Last name
2.1.2 Title	<input type="text"/>
2.1.3 Gender	<input checked="" type="radio"/> None <input type="radio"/> Male <input type="radio"/> Female
Is this person the building manager?	<input checked="" type="radio"/> None <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Building Manager Contact Information	
2.2.4 Home Telephone	<input type="text"/> i.e. +1-111-1111
Cell Telephone	<input type="text"/> i.e. +1-111-1111
2.2.5 E-mail	<input type="text"/>
Building Location	
2.3 Street Address	<input type="text"/>
2.3.1 Village/City	<input type="text"/>

**Figure 1-3:
MARCIMS Building Assessment Form
(via the MARCIMS Portal)**

4. **MARCIMS MOBILE DEVICE**. The mobile device is currently an Android-based smart phone, Samsung Note 3, which comes with Wi-Fi capability (cell phone functionality is disabled).

a. Each MARCIMS suite (TAMCN: A03607G) comes with four (4) devices, associated chargers, a pelican case, and various other items. The device is identical to the cellular phone version, minus the ability to make and receive calls/texts (no SIM card). Each device needs to be updated periodically (similar to computers and other software). These devices are updated and coordinated through a local unit billet holder.

b. MARCIMS devices have applications and software that the user can utilize. These applications are installed onto the devices via updates from the Mobile Device Manager (MDM) and include the following applications pre-loaded to the mobile device:

- (1) MARCIMS Application
- (2) Note Pad
- (3) Ruler
- (4) Protractor
- (5) Conversion Tool
- (6) Translator
- (7) Camera
- (8) Other (e.g., IGO applications)

*Note: User cannot download any additional applications or games from any "App Stores." If an application not currently included is identified as practical and beneficial, it can be requested for approval to be included in future software updates.

c. The mobile devices are used to assist the CA Marine with assessments and engagements. Remember, the devices are tools to aid in the performance of CMO; without proper updating they may be inoperable. When the devices are updated, additional tools may become available.

5. **MARCIMS PORTAL**

a. The websites MARCIMS.org (Production Website) and TRAINING.MARCIMS.org (Training Website) are unclassified websites used to consolidate and share information from assessments and engagements in the effort to formulate an overall situational awareness of a given area. This portal can be accessed through any computer as long as the user has a profile established. This information is kept unclassified so it can be shared with the interorganizational community who are authorized access to the MARCIMS portal through a sponsor.

b. Results can be visualized in the form of charts, tables, calendars, maps, and timelines. This gives users the ability to export data for reporting and briefing purposes. The Training Website is a replication of the Production Website, established for the purpose of familiarization and training.

c. A semantic Wiki differs from a regular Wiki (used in Wikipedia©) in that a semantic wiki uses knowledge models that

capture and identify relationships within and between pages. Each page in the MARCIMS Portal represents an entity (submitted assessment, person, school, organization, tribe, building location, etc.). Since the semantic wiki organizes knowledge into categories and properties, users can easily search and establish relationships within the data.

d. Wiki vs. Semantic Wiki. If a user wanted to ask the question "How many legs does a spider have?" in Wikipedia®, the results would show many different pages that relate to spiders (e.g., spider, orb weaver spider, spider anatomy, spider bite, etc.). In a semantic wiki, the answer would be a number (in this case, eight). Questions in a semantic wiki are properties and the answers are values (Table 1-1).

Wiki	Semantic Wiki
Data: unstructured	Data: structured
Search: keywords	Search: keywords, query the data for specific results
Search results: list of pages	Search results: answers in table, graph, chart, calendar format, list of pages
Knowledge maintenance: manual	Knowledge maintenance: automatic, manual
Collaboration: page watch lists	Collaboration: watch lists for dynamic updates, threaded discussion pages
Knowledge discovery: manual	Knowledge discovery: machine assisted
Interoperability: export pages	Interoperability: import/export facts, other applications can query the wiki

**Table 1-1:
Wiki vs. Semantic Wiki**

6. ASSESSMENTS/ENGAGEMENTS

a. Each assessment form must be downloaded via Wi-Fi prior to an operation or exercise. The download will allow CA Marines to fill out the forms that are saved to the device in an unconnected environment while conducting CMO. This download is good for 30 days without needing to reconnect to Wi-Fi (if anticipating a longer duration without Wi-Fi, contact the helpdesk prior to deployment). Once the form is downloaded, it can be used. A good practice to keep in mind is to download all

forms prior to an operation in order to facilitate multiple engagements and assessments without needing any updates.

b. Building a product used for planning and assisting a commander in the decision-making process is the focus of these assessment and engagement forms. As CA Marines collect information through engagements and assessments, they will create a picture of the civil atmosphere and dynamics related to the commander's planning guidance and required information.

7. CYBERSECURITY

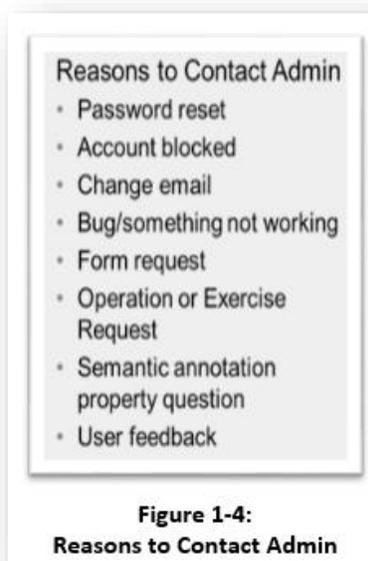
a. Cybersecurity is the protection of data and information systems in networks that connect to other networks or the internet. It is essential that Marines practice cybersecurity when using MARCIMS.

b. MARCIMS is an unclassified, controlled-access public site, and CA Marines must guard against the spillage or unauthorized dissemination of sensitive information. Unauthorized items on the MARCIMS portal include (but are not limited to) the following:

- (1) FOUO or higher data
- (2) SITREPS (of any kind)
- (3) Personally Identifiable Information (PII)
- (4) Photos of military personal in uniform

8. ADMINISTRATIVE/HELP DESK. Each CA unit will have local unit-level administrators that can assist with function, updates, profiles, and equipment. In addition to the unit representatives, the user can request help and assistance through the web portal. There is also a help desk that can be reached via phone or email to assist with all technical and administrative issues (Figure 1-4).

9. SUMMARY. The MARCIMS operating system and the mobile device tool used to collect data for civil information management allow Marines to accomplish



their mission more efficiently. Through regular use (including practical application, field exercises, and training), a CA Marine will become more familiar with the web portal and the mobile device.

REFERENCES:

TM12512A-OR Software User's Manual for MARCIMS Version 1.0.3.0

