



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

Command Element Systems Overview

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MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

Command Element Systems Portfolio

Intelligence Systems

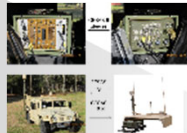
- Electronic Warfare Systems
- Distributed Common Ground / Surface System – Marine Corps
- Terrestrial and Human Intelligence
- Signals Intelligence
- Identity Operations



GBOSS



MFEW



CESAS II



DCGS-MC
All Source



IDS-MC Inc 2

Communications Systems

- Expeditionary Communications
- Ground Radios
- Satellite Communications
- Terrestrial High Capacity Communications



TEAMS



NGT



MGUE Inc 1



HFR



VSAT FoS



VSAT-M VSAT-S



VSAT-L



Command and Control Systems

- Tactical Software Applications & Services
- Extensible MAGTF Command and Control
- Information Related Capabilities
- Tactical Hardware & Infrastructure



MCH



CCS FoS



NOTM-A Inc2



TSOA



COC (V) 1-4 FoS



Wargaming Capability

- Marine Corps Wargaming and Analysis Center



Mission: Provide and Sustain Command & Control, Communications, and Intelligence Capabilities to the MAGTF



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Some Initial Framing Thoughts & Comments

Force Design

New Tech & Operational Areas for the USMC: AI/ML, DSO, Cloud, Zero Trust, Big Data

Environmental Challenges

Fiscal Pressure

Competing Priorities



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PM IS PMO Overview



5 Teams pressing forward

- 160.1 Electronic Warfare Systems (EWS)
- 160.2 Distributed Common Ground/Surface System-Marine Corps (DCGS-MC)
- 160.3 Terrestrial and Human Intelligence (T/HUMINT)
- 160.4 Signal Intelligence (SIGINT)
- 160.5 Identity Operations (IdOPS)

Focus Areas:

- Deploy AATS
- Field DCGS GEOINT/CIS
- Test CESAS II Inc 2 (Backpack)
- Fielding TSCS Receivers, ENTR V4
- Develop MFEW/MEGFoS, SSF, SIGMAN, develop and field IDS/FDS-MC
- Naval and E-Hub Data Integration
- Common Hosting Environment
- SCI Comms/JWICS Assessment

• Challenges

- ❖ COVID-19 Schedule Impacts (fielding delays, procurement and travel)
- ❖ Data Science/Architecture/Strategy



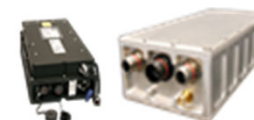
EWS
MFEW



DCGS-MC
All Source



SIGINT
IBR



T/HUMINT
GBOSS



IDS-MC
IDS-MC Inc 2



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PM C2S PMO Overview



4 Teams pressing forward

- 161.1 Tactical Software, Applications, & Services (TSA&S)
- 161.3 Extensible MAGTF Command and Control (EMC2)
- 161.4 Information Related Capabilities (IRC)
- 161.5 Tactical Hardware & Infrastructure (TH&I)

FY21 Focus Areas:

- Continuous integration / continuous delivery / development of software
- Investigating data and software management in a cloud environment
- Implementing a federated capability
- Emphasis on tactical networking solutions that provide the appropriate Size, Weight, and Power (SWaP)
- Identify common handheld requirements and converge when possible
- Networking-On-The-Move (NOTM) Ground Combat Vehicles fielding
- Implementation of NOTM Airborne systems into MV-22 aircraft
- Integration of NOTM onto Navy amphibious ships
- Technology refresh and hardware modernization
- Mobile devices with higher classification capability

Challenges

- ❖ Configuration management in a more rapid manner
- ❖ Maintaining the existing capabilities in the fleet
- ❖ Executing a parallel development effort for the future implementation
- ❖ COVID-19 restrictions



JTCW-C2PC



CDN DDS-M



NOTM-A Inc1



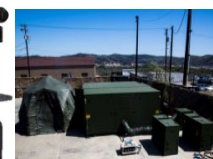
NOTM-A Inc2



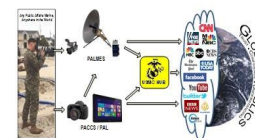
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NOTM GCV



CCS FoS



PAS



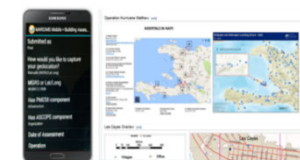
TCO-GCCS



MISO



TSOA



MARCIMS



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PM CS PMO Overview



4 Teams pressing forward

- 162.1 Expeditionary Communications (EXCOMM)
- 162.2 Ground Radios (GR)
- 162.3 Satellite Communications (SATCOM)
- 162.4 Terrestrial High Capacity Communications (THC2)

FY21 Focus Areas:

- Cryptographic Modernization
- Global Positioning System Modernization
- Tactical Communications Modernization (TCM)
- Waveform Modernization
- Satellite Communication Modernization
- Terrestrial High Capacity Communications Modernization

Challenges:

- ❖ Addressing Near Peer Threats, Expeditionary Advanced Base Operations, Littoral Operations in a Contested Environment
- ❖ Cost effective waveform modernization solutions
- ❖ COVID related supplier delays
- ❖ Cybersecurity posture



Tactical Communications Modernization

Line-of-Site Radio System (LRS)



Expeditionary Advanced Ground Link (EAGL)

MGUE





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PM WGC PMO Overview



1 Team pressing forward

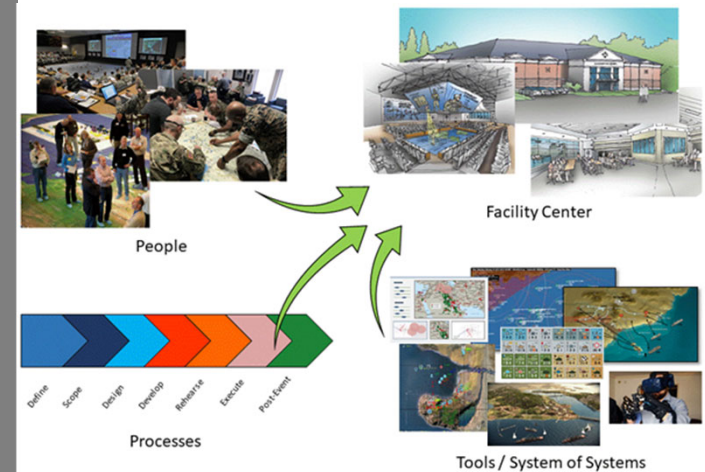
- 163.0 Wargaming Capability (WGC)

FY21 Focus Areas:

- Test Phase II – Integrated Prototypes
- Refine IT Infrastructure requirements for the MCWAC Facility
- Alternative Facility Assessment
- Refining Phase III – Baseline & Production/Deployment requirements
- Coordinating Wargaming Division Contractor Support Services requirements for FY22

Challenges

- ❖ Affordability – Funding shortfalls (CR, Congressional Marks, Reclamas, CYD, UPL, Prioritization backing)
- ❖ Integration complexity of technology and data classification in all aspects of the Wargaming Process
- ❖ Feasibility of full Modeling & Simulation parametric requirements
- ❖ Multiple classification layers requiring integration and access (i.e. CDS)
- ❖ SPPN and Data Governance determinations
- ❖ WGC Personnel Hires (coordinating stakeholder estimates, PD development, TOECR submissions, seating for hired personnel, etc.)
- ❖ Stakeholder engagement and out-year responsibilities (policy changes)





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CES Contracts Forecast

FY21

Q2

- Tactical Software Applications and Services (TSA&S) Software Maintenance Support and Software Technical and Development Support RFI Release
- Expeditionary Advanced Ground Link (EAGL) RFP Release
- Multi Channel Handheld (MCHH) RFP Release/ Proposals Due
- DCGS-MC GEOINT Geospatial Universal Antenna Solution RFP Release/Proposals Due

Q3

- Expeditionary Advanced Ground Link (EAGL) Proposals Due

Q4

- Tactical Software Applications and Services (TSA&S) Software Maintenance Support and Software Technical and Development Support RFP Release
- MCHH RFP Release/ Proposals Due
- Marine Corps Wideband Satellite-Light/Heavy (MCWS-L/H) RFP Release/ Proposals Due
- Distributed Common Ground/Surface-Marine Corps (DCGS-MC) GEOINT Geospatial Universal Antenna Solution Estimated Award

FY22

Q1

- Tactical Software Applications and Services (TSA&S) Software Maintenance Support and Software Technical and Development Support Proposals Due
- Expeditionary Advanced Ground Link (EAGL) Estimated Award

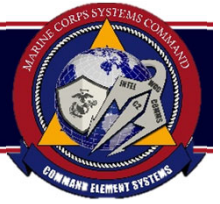
Q2

- TSA&S Estimated Award
- Marine Corps Wideband Satellite-Light/Heavy (MCWS-L/H) Estimated Award

As provided at the MCSC Contracts Industry Day Conducted 17 Feb 2021



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Questions?