Operations Centers

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Defense Solutions
Agenda

Operations Centers

- Civil-Military Operations Centers
- Challenges
- Our Approach
- Solutions
- Expand the Solution
What is an Operations Center?

A facility containing the majority of the staff designed to control current operations, conduct detailed analysis, and plan future operations.

ATP 6-0.5 Command Post Organization and Operations
Civil-Military Operations Centers (CMOCs)

- Receive civil information
- Make recommendations
- Influence the civil component
- Analyze/develop/manage civil information
- Synchronize and coordinate civil resources/capabilities
- Conduct transitional operations
- Integrate resources/capabilities
- Disseminate civil information
Civil-Military Operations Challenges

- Lots of paper
- No searching, sorting, or filtering
- No data visualization
Can we increase speed and accuracy at collection?

Can we maintain updated information from ongoing civil-military operations?

Can we do all this with what we have today?

Can we get metrics on civil-military operations?

Can civil-military information aid in the intelligence preparation of the battlefield?

Can civil-military information be collected as quantitative data?

Civil-Military Operations Challenges
MCE GIS Enterprise

G-2  MCE  CMOC  CA Teams  Geospatial

Web GIS

Portal

Server  Online Content and Services

Atmospherics Questionnaire

Today's date and time
app: 00:00  00:00

What town do you live in?

What is your age?

- 10 and under
- 10 - 30

Map and data layers with various icons and markers.
Configurations of ArcGIS for Civil-Military Operations

CMOC / CA Teams
- POPREP (Mobile/Web)
- Atmospherics Questionnaire
- RFI (Mobile/Web)
- Priority AOI & Engagements
- Civil Mission Execution Planner

G2 Functions
- Open Source Reporter
- G2 Atmospherics

Geospatial
- Foundational Data

CMOC QA/QC
- Civil Affairs Operations Manager

CMOC Commanders Update
- Civil-Military Weekly Update
- Civil-Military Ops Dashboard
Solutions

Subhead Here

• Survey123 Forms
  - Atmospherics Questionnaire
  - Population Assessment Questionnaire Report (POPREP)
  - Requests for Information (RFI)

• Web AppBuilder Apps
  - Priority Areas of Interest and Operations
  - Civil Mission Execution Planner
  - Civil-Military Operations Manager

• Operations Dashboard Views
  - Civil-Military Operations
Survey123 Forms

- Designed to replace paper and automate key workflows
- Built as XLSForms and deployed using Survey123 Connect
- Include:
  - Atmospherics Questionnaire
  - Brief Interviews
  - Population Assessment Questionnaire Report (POPREP)
  - In-Depth Interviews
  - Requests for Information (RFI)
Web AppBuilder Apps

- Priority Areas of Interest and Operations
  - Manage Priority Areas of Interest (AOIs) and track engagements
- Civil Mission Execution Planner
  - Plan the Concept of Operations (CONOP)
- Civil-Military Operations Manager
  - Manage Operations and RFIs
Operations Dashboard

- Civil-Military Operations Dashboard
  - Monitor status
  - Brief decision-makers
ArcGIS Solutions for Defense

Solutions accelerate the adoption of ArcGIS with ready-to-use maps, apps, and tools tailored to specific industry needs.

- Documented
- Supported and maintained
- Open source
Defense Solutions - Current Capabilities

Military Symbology
- Military Symbol Editor
- Military Feature Editor
- Military Overlay
- Symbol Lookup GEE Processor
- Military Information Model and Styles

Mission Planning
- Mission Planning
- Compounded Map
- Clearing Operations
- Observation Post

Environmental Impacts
- Military Aspects of Weather
- Military Aspects of Terrain
- Sun Position Analysis

Intelligence Analysis
- Incident Analysis
- Time Span Analysis
- Image Change Detection

Civil-Military Operations
- Priority Areas of Interest and Engagements
- Atmospheric Questionnaire
- Population Assessment
- Civil-Military Operations Planner

Civil-Military Operations
- Grid Overlay
- Geonames Locator
- Visibility
- Distance and Direction
- Coordinator Conversion

Whole Organization
- Military Tools for ArcGIS
- Coordinating

New since UC 2016
Defense Solutions - Current Customers

- 1st Topographic Platoon, USMC
- SOF Geospatial Enterprise
- G2, 4th Infantry Division
- Sacramento Sheriff
- 1 MEF G2, ICOP
- US Coast Guard
- Israeli Navy
- FBI CIRG
- NATO

- 85th Civil Affairs
- Yuma Proving Ground
- Bundeswehr Geoinformation Center
- Tactical Service Oriented Architecture, USMC
- Boston Regional Intelligence Center (BRIC)
- Military Counterintelligence Service, Germany
- 512th Engineer Detachment, US Army South
- Command for Strategic Recon and Joint Imagery Analysis Center, Germany

- Customs and Border Patrol – Office of Geospatial
- NGA IGAPP Vendor Portal
- AF FPED Baseline
- DCGS-A 3.2.5 and 3.2.6 Baseline
- FORSCOM GEOINT Workstation Baseline
- 4th Infantry Division – Civil Affairs