



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 data
visualization**

**No
searching,
sorting, or
filtering**

Civil-Military Operations Challenges

Can we increase speed and accuracy at collection?

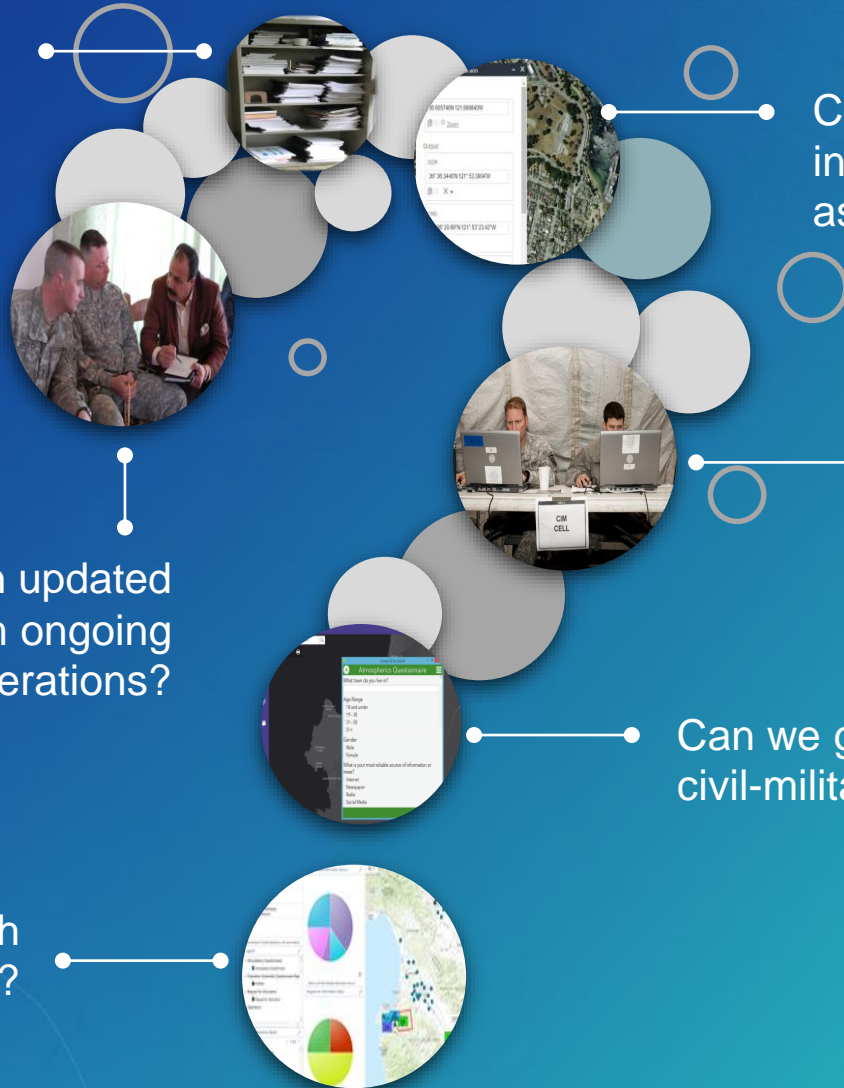
Can civil-military information be collected as quantitative data?

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

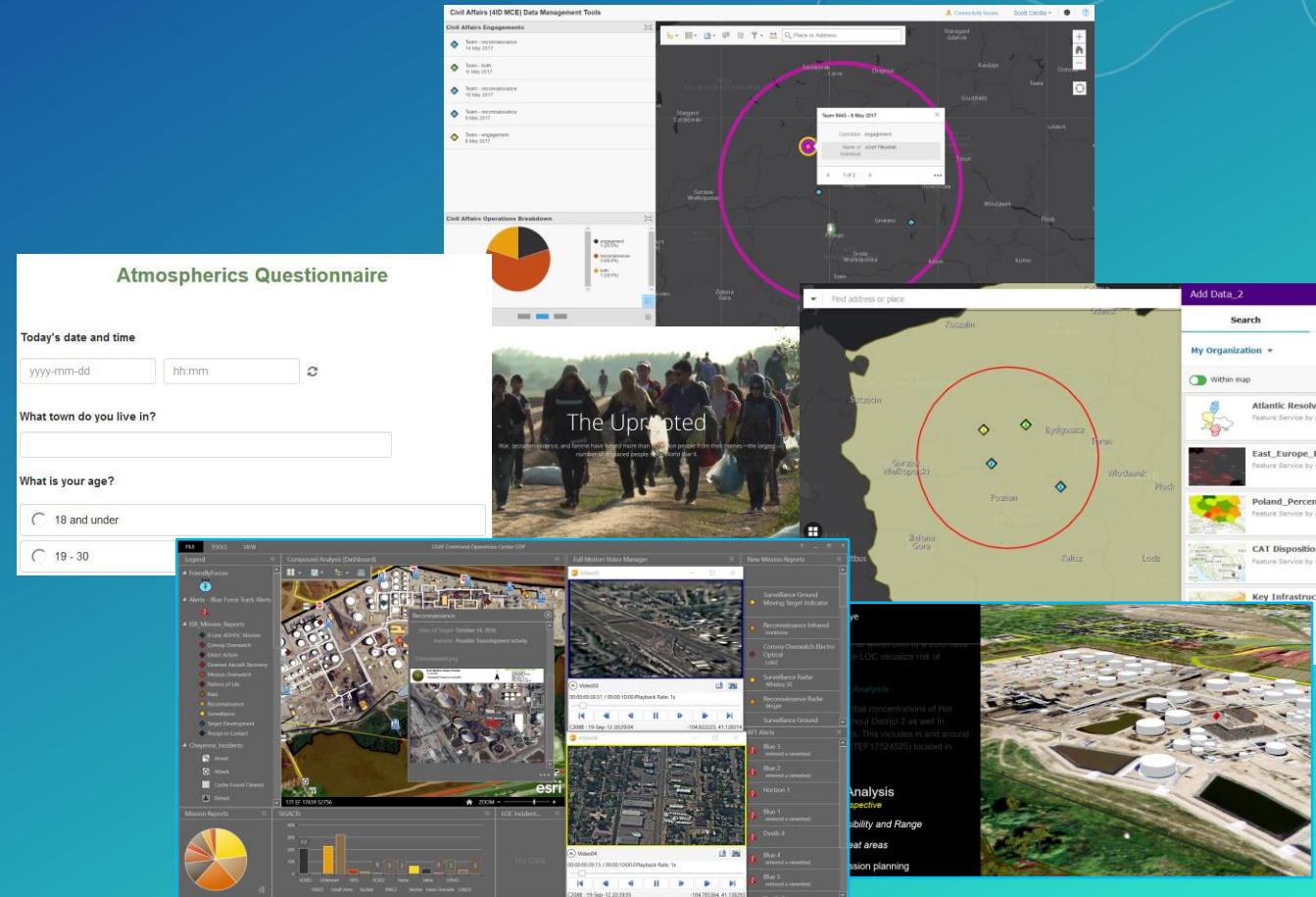
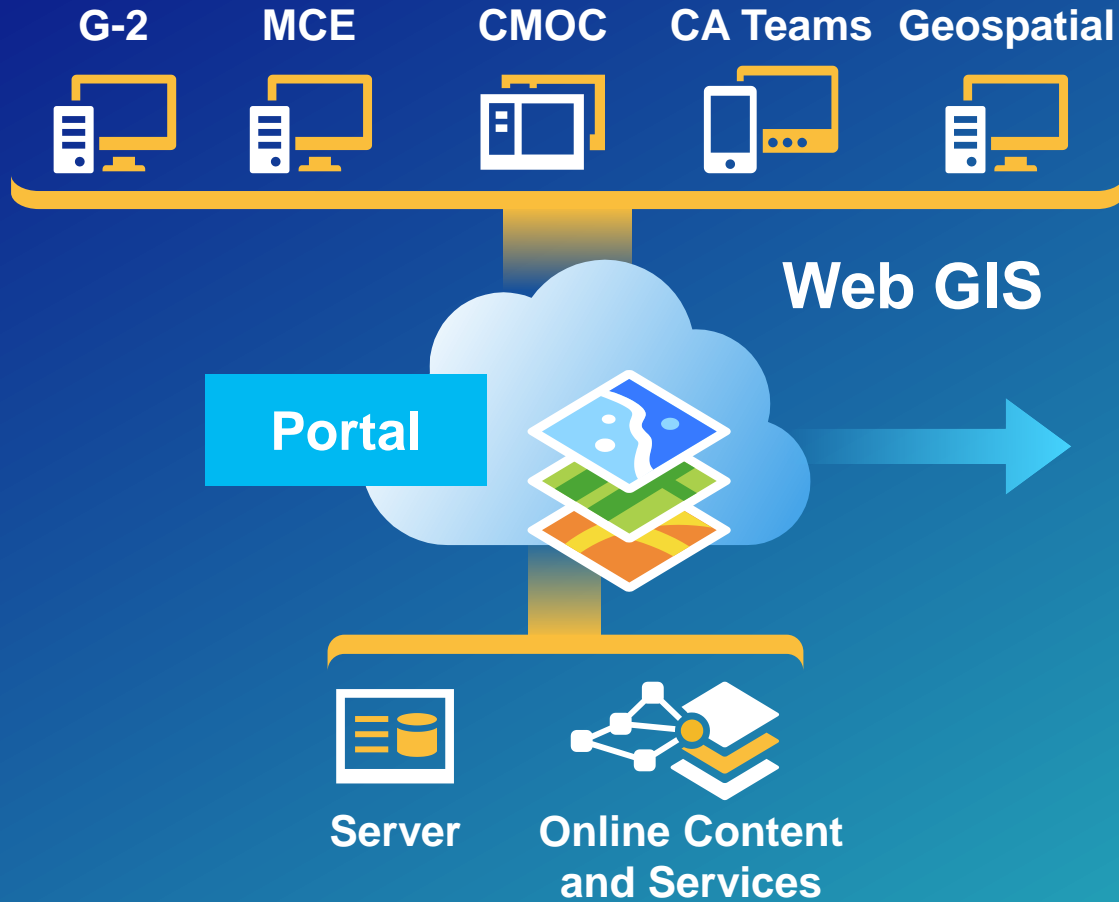
Can civil-military information aid in the intelligence preparation of the battlefield?

Can we get metrics on civil-military operations?

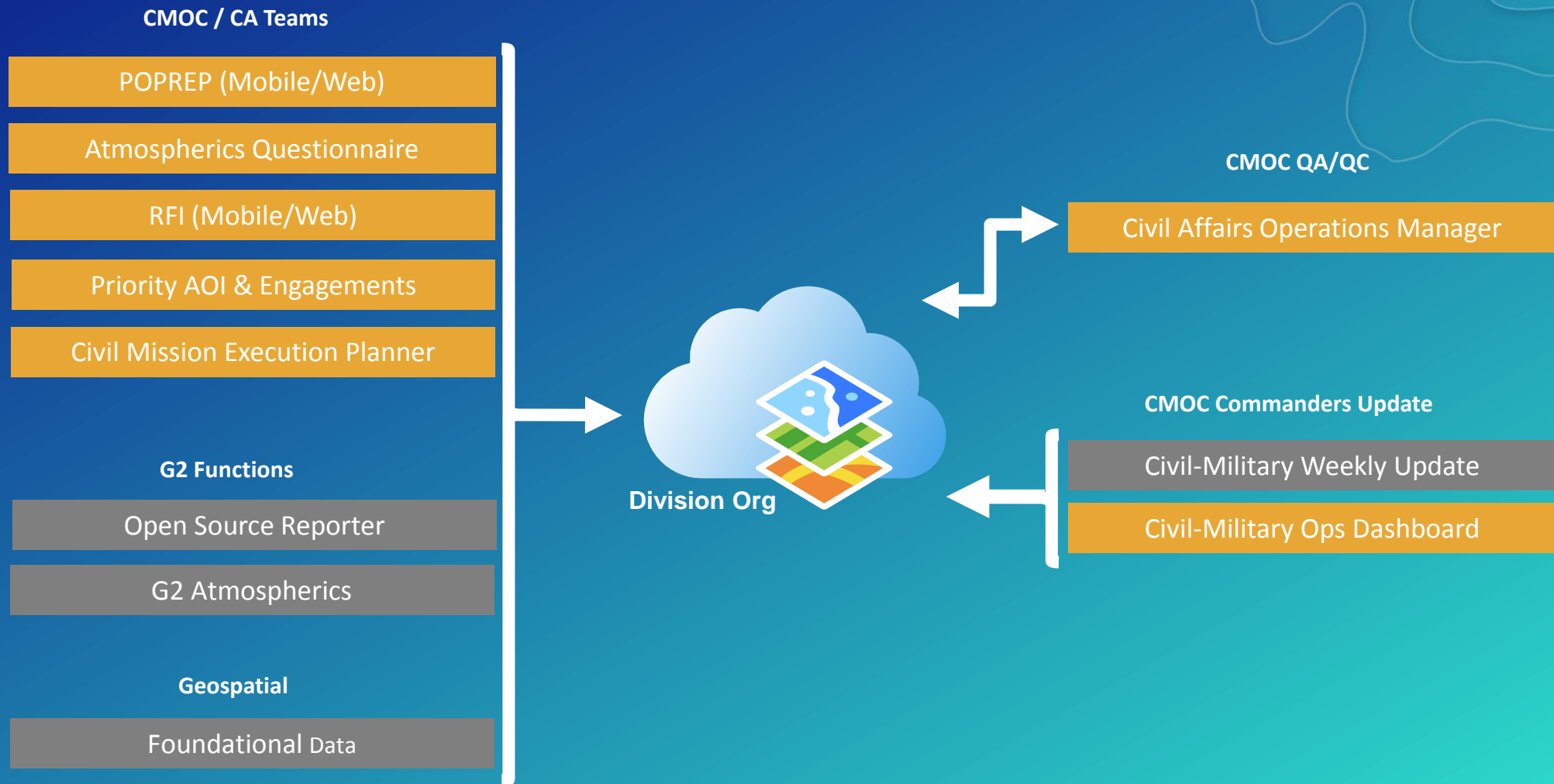
Can we do all this with what we have today?



MCE GIS Enterprise



Configurations of ArcGIS for 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)

Request for Information

Request for Information (RFI)

Request

Request Information

Classification

Security Classification of Information

Submission Date and Time

Current Date and Time

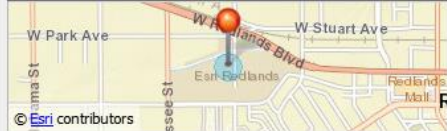
7/5/2017

09:48

Location *

Center of AO for the question; elaborate in the Description

34°3'N 117°12'W ± 81 m



Requestor Information

Unit

Unit submitting the request

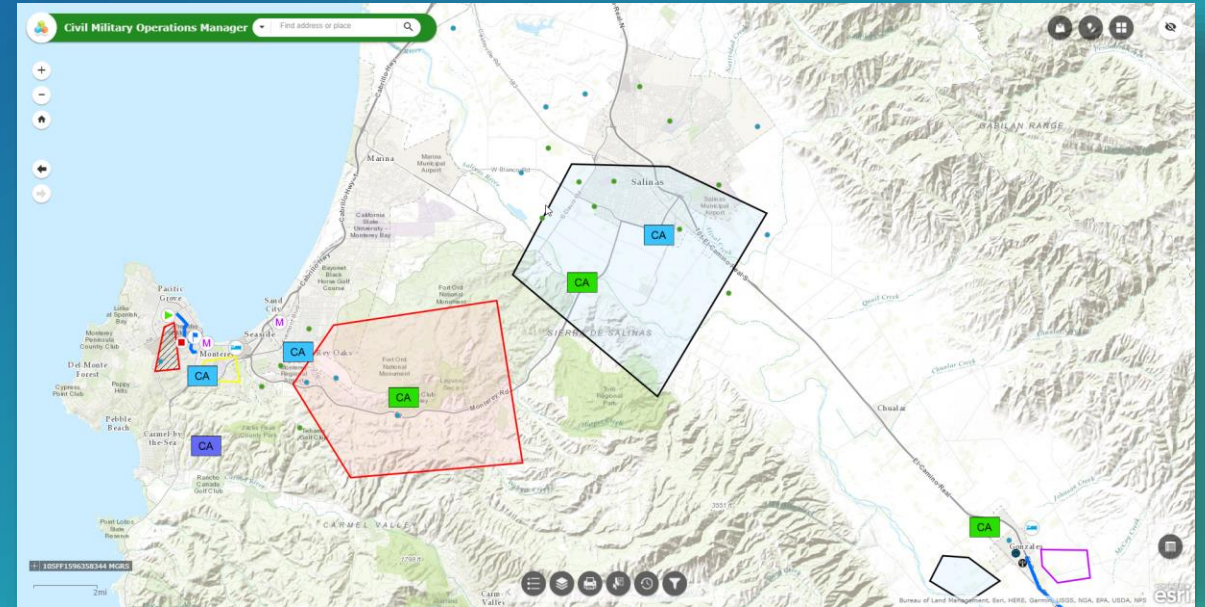
Section

Section submitting the request

Submitted by

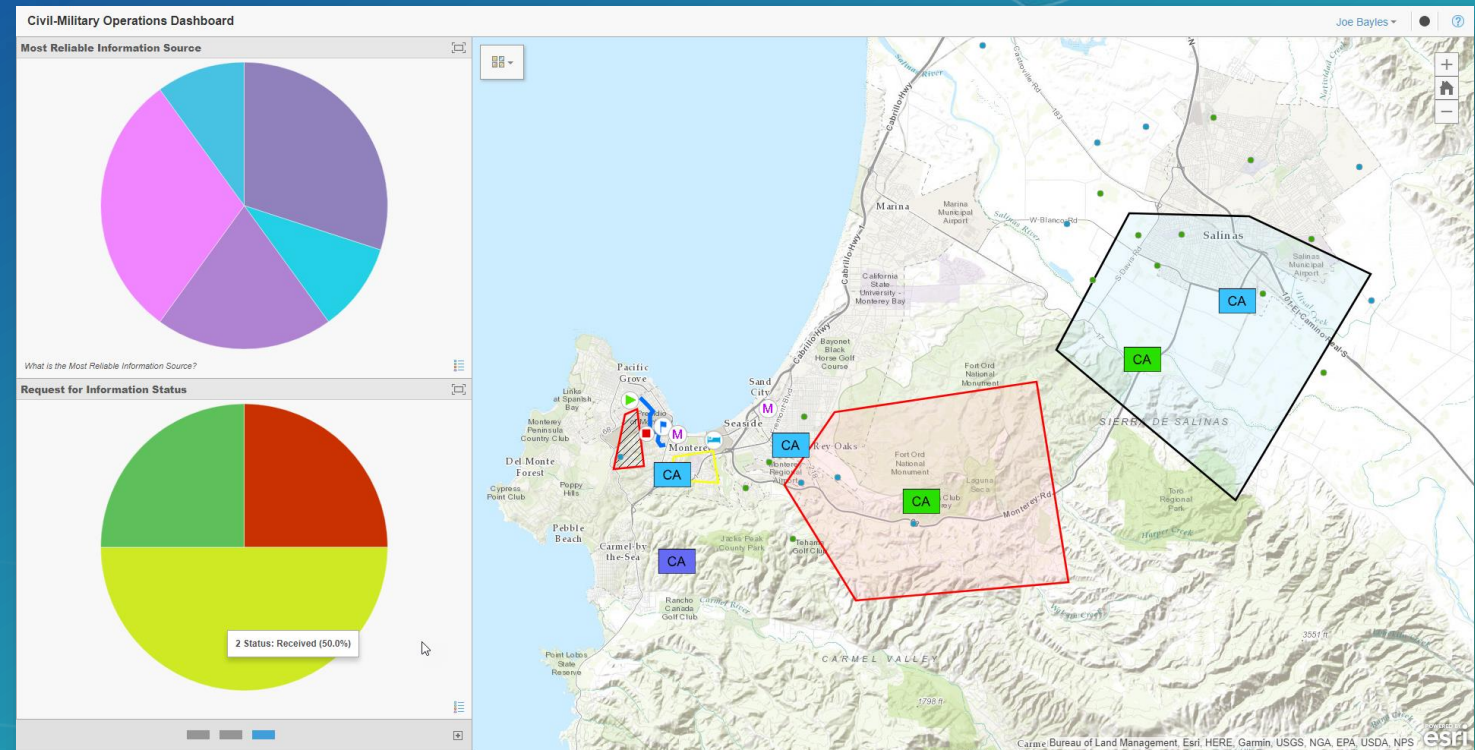
Web AppBuilder Apps

- 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



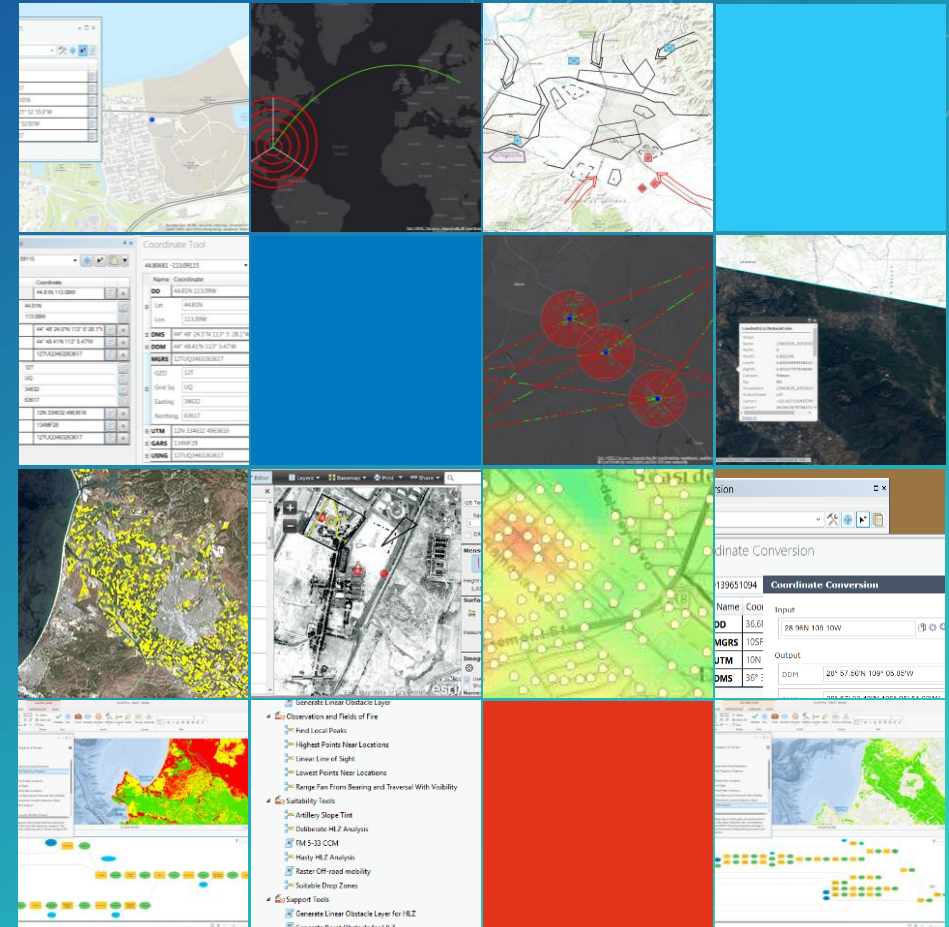
ArcGIS Solutions for Defense

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



Web



Mixed

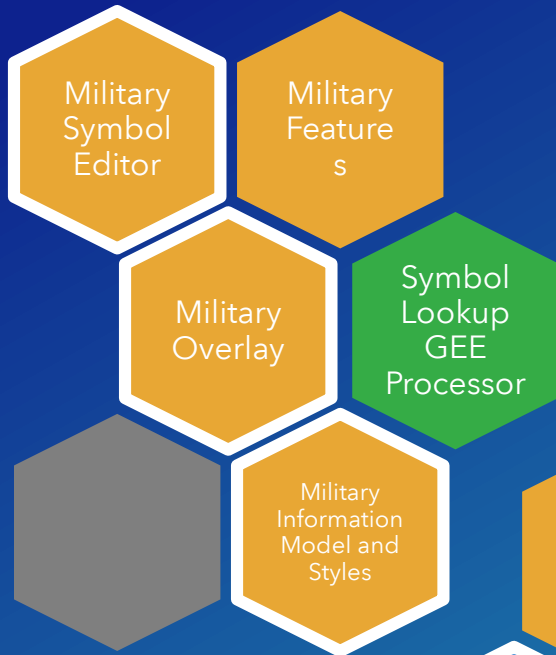


Desktop

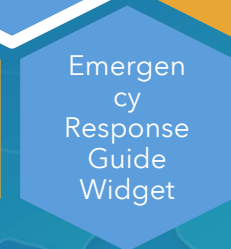
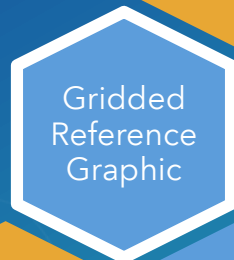


New since UC 2016

Military Symbolology



Mission Planning



Environmental Impacts



Intelligence Analysis



Civil-Military Operations



Whole Organization



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



Customs and
Border Patrol
– Office of
Geospatial



DCGS-A
3.2.5 and 3.2.6
Baseline



FORSCOM
GEOINT
Workstation
Baseline



4th Infantry
Division – Civil
Affairs



NGA IGAPP
Vendor Portal



AF FPED
Baseline

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



esri

THE
SCIENCE
OF
WHERE