Military Tools for ArcGIS an Overview

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Agenda

What we will cover

- Overview of Defense Solutions
- Military Tools for ArcGIS
- Demonstration
- What's next

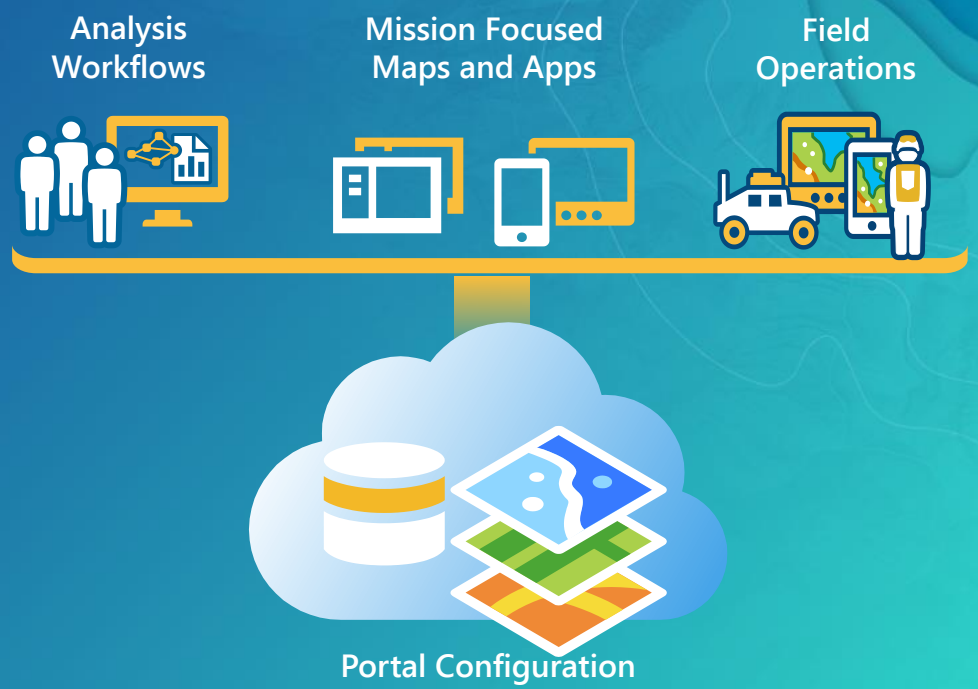
Defense Solutions

Overview

Overview of Defense Solutions

Esri solutions for defense customers

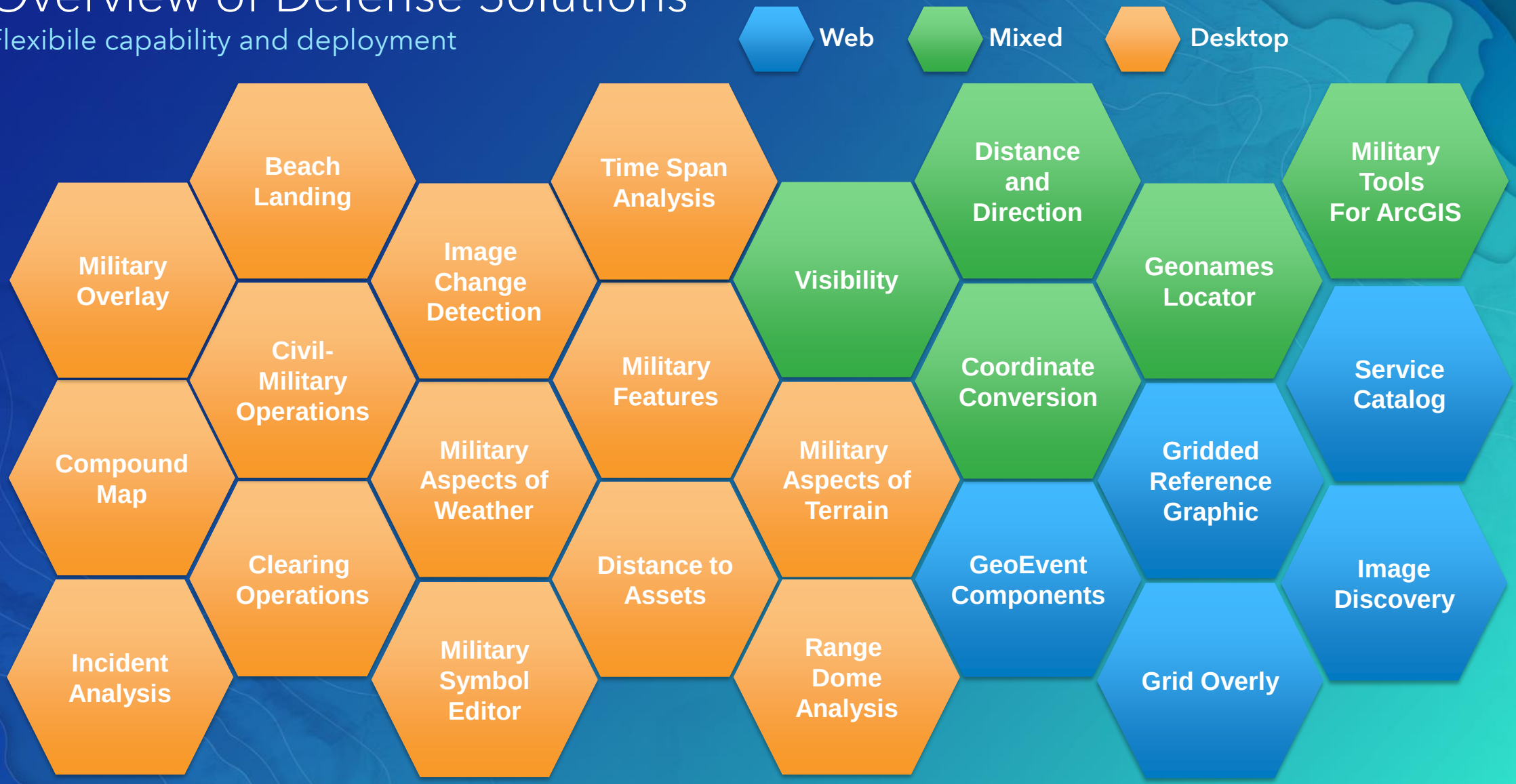
- Over 50 maps, apps, and tools
  - Configurable and extensible
  - Freely available and fully supported
- Best Practices
  - Supporting standards and military specifications
  - Industry-driven requirements
- Mission-focused workflows
  - Command and Control
  - Intelligence operations and analysis
  - Operational readiness



Delivered via solutions.arcgis.com

Overview of Defense Solutions

Flexibile capability and deployment



Overview of Defense Solutions

Who do we support

- Intelligence Analyst
- Geospatial Analyst
- Imagery Analyst
- CI/HUMINT
- SIGINT Analyst
- Planners
- Staff Officers
- Decision Makers

Overview of Defense Solutions

Our mission is to help you

- Deliver maps and applications quickly throughout your organization
- Stay current with future releases / avoid legacy technology
- Deploy a geospatial platform that can be leveraged by many
- Leverage the collective knowledge of the entire community
- And do this with … less staff, budget, and technical expertise

Overview of Defense Solutions

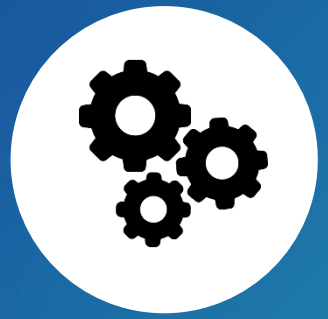
Flexibile capability and deployment

Military Tools for ArcGIS

Coordinate Conversion
Military Symbol Editor
Distance and Direction
…

Available on media and as a single download

Templates



Visibility and Range
Military Overlay
Incident Analysis
…

Available as Downloads

Individual Tools

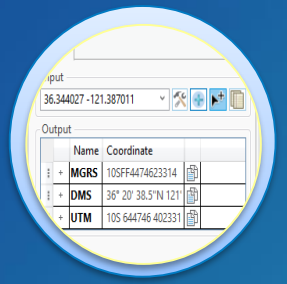
Line of Sight
Bomb Widget
Coordinates
…

Available as Downloads and on GitHub

Military Tools for ArcGIS

Military Tools for ArcGIS

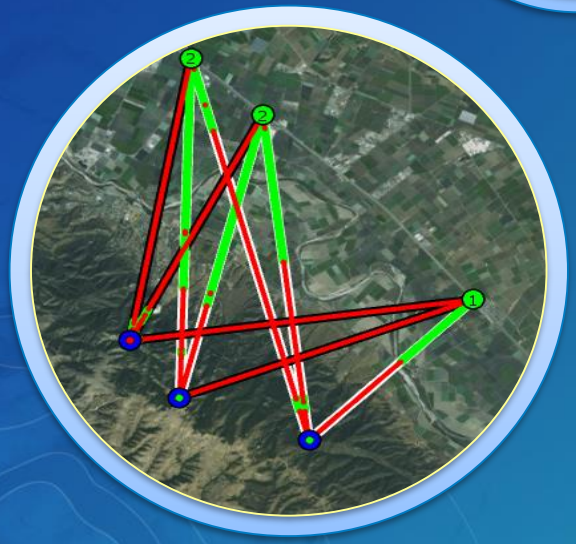
Components

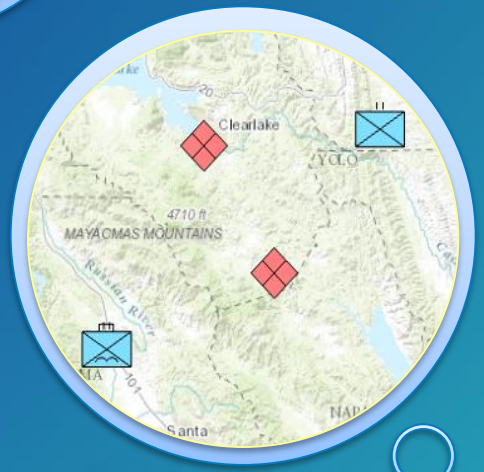


Coordinate Conversion

Distance and Direction calculations

Visibility analysis





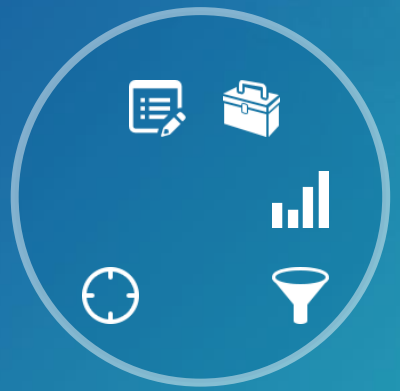
Military Symbol Editor

Military Tools for ArcGIS

Functionality across the platform

ArcMap
Add-ins

ArcGIS Pro
Add-ins



Toolboxes

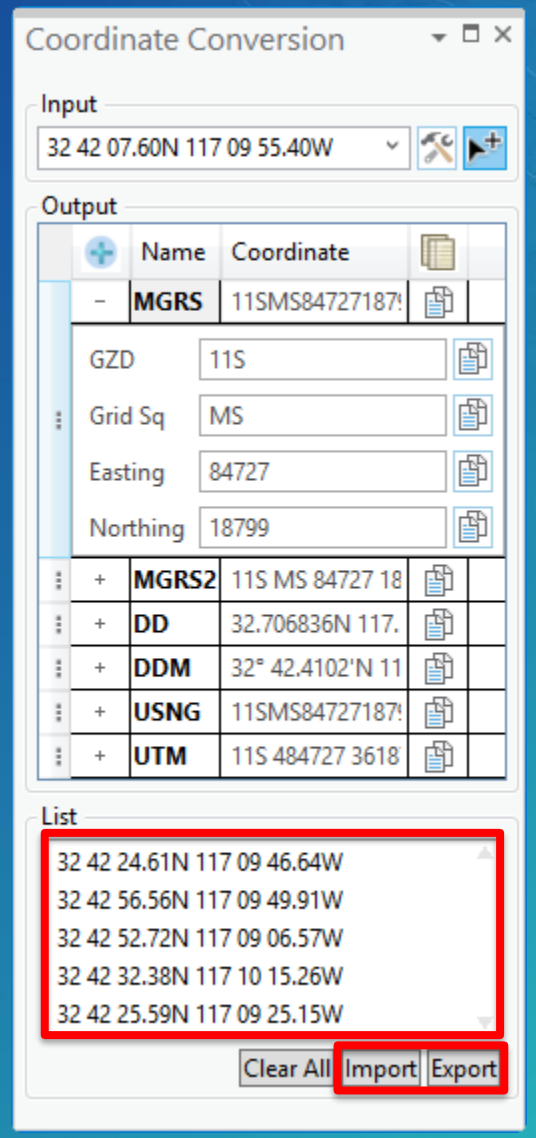
Widgets
App Templates
Apps

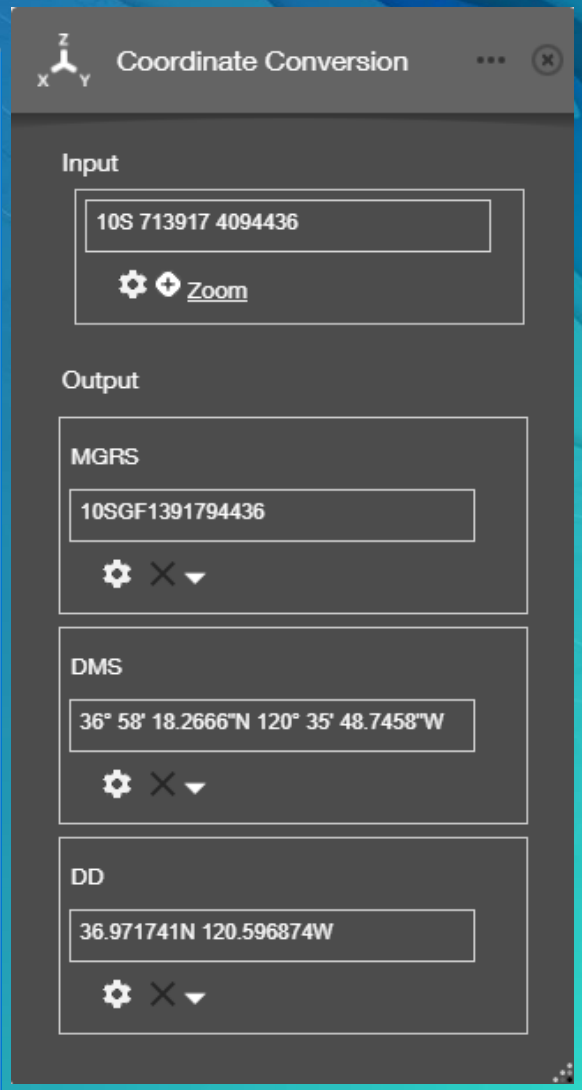
Coordinate Conversion

Coordinate Conversion

Quickly convert between coordinate types

- Input coordinates using
  - Keyboard
  - Map cursor
- Convert between several formats
  - MGRS
  - DD, DMS, and more
- Format a coordinate to your specification
  - 11SMS8472718799
  - 11S MS 84727 18799
- Multiple way to copy one or many formats
- Flexible coordinate handling
- Import / export coordinates

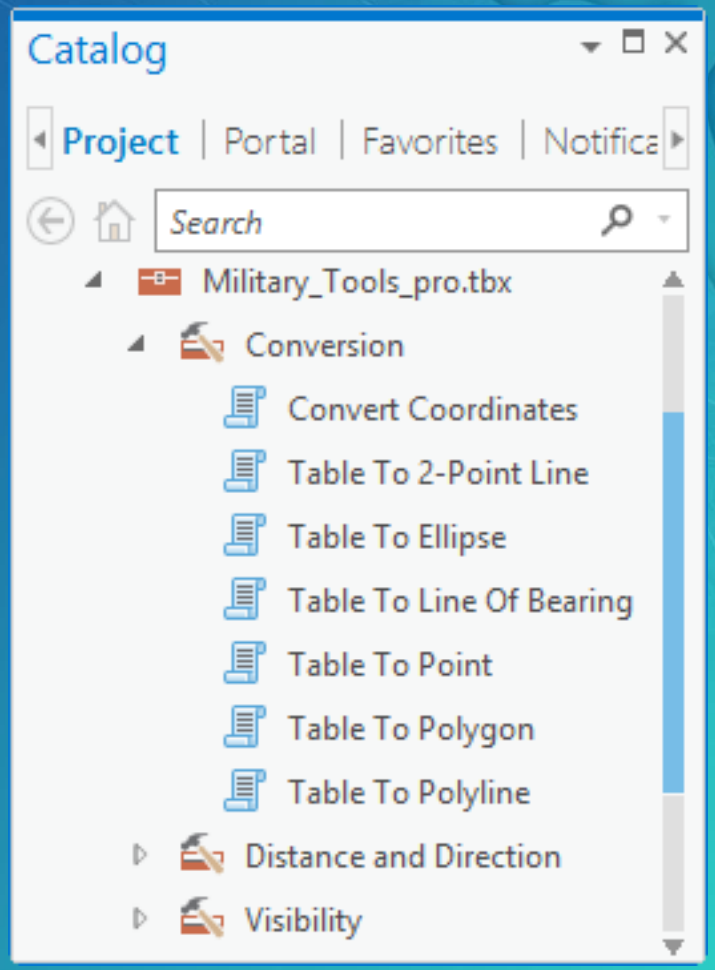




Coordinate Conversion

Using Geoprocessing to convert coordinates

- Input tables or feature classes
- Convert any supported format
- Script tools
  - Standalone python scripts or
  - Use inside a model with other tools
- Import based on tables
  - Table to 2-Point Line
  - Table to Ellipse
  - Table to Line of Bearing
  - Table to Point
  - Table to Polygon
  - Table to Polyline

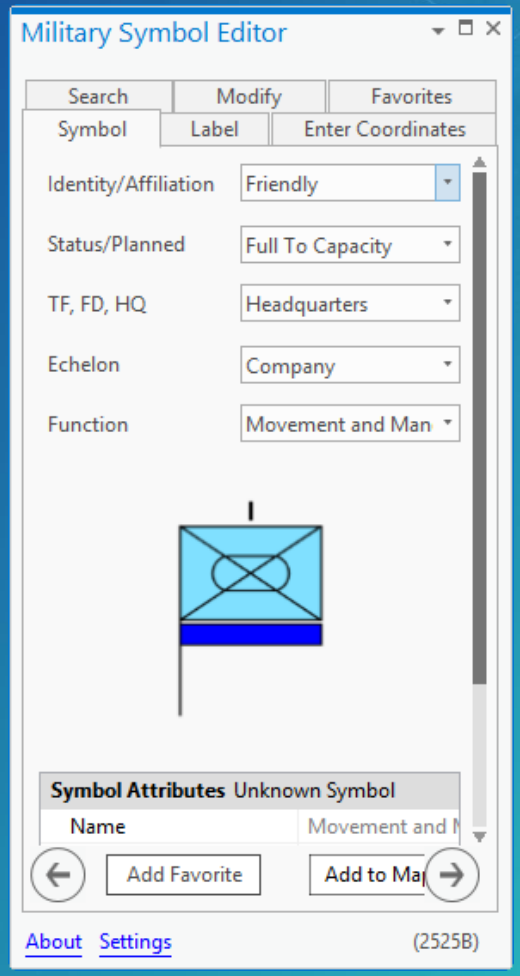


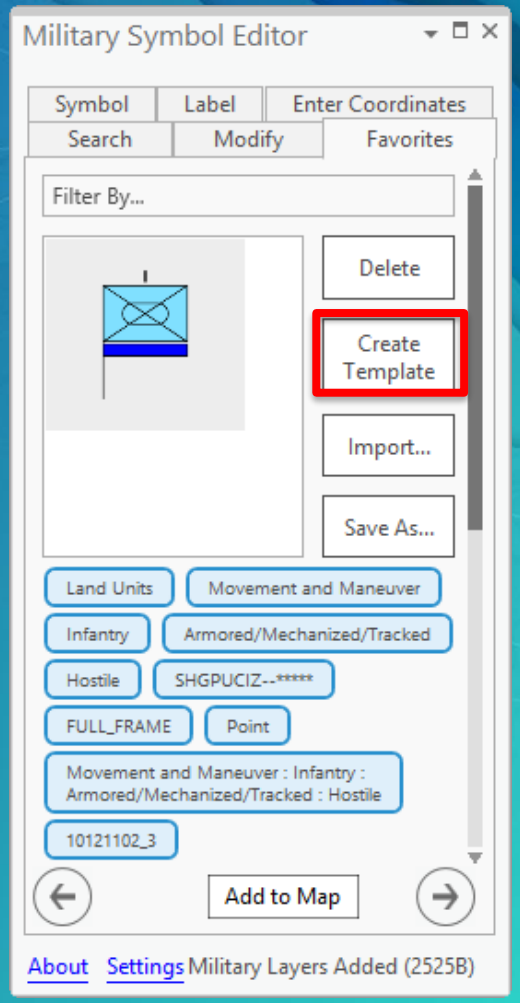
Military Symbol Editor

Military Symbol Editor

Easily create military symbols by searching symbol attributes

- Support multiple standards
- Schema-based approach to military symbology
- Create/modify symbols using attribute driven drop-downs
- Add text modifiers
- Choose what to do with your symbol
  - Save to favorites
  - Add to Map
  - Coordinate placement
- Import/export favorite symbols
- Create feature templates for symbols



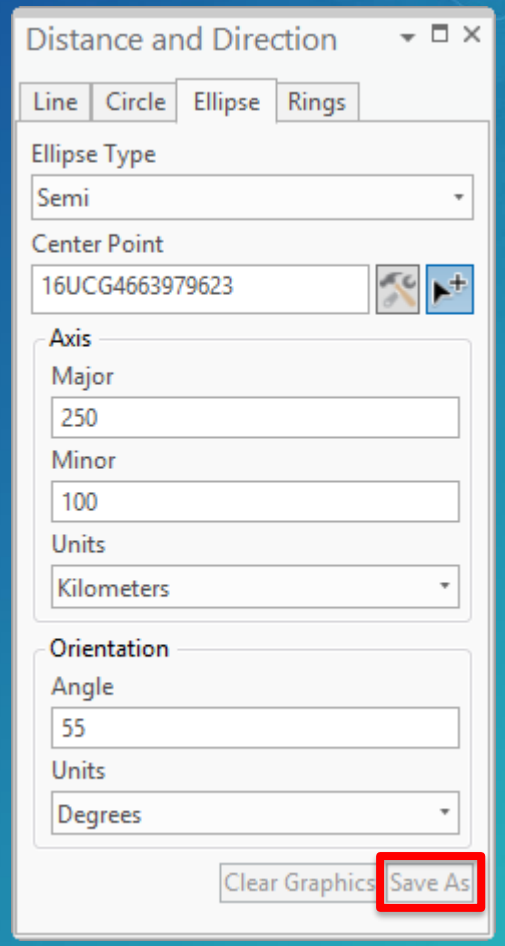


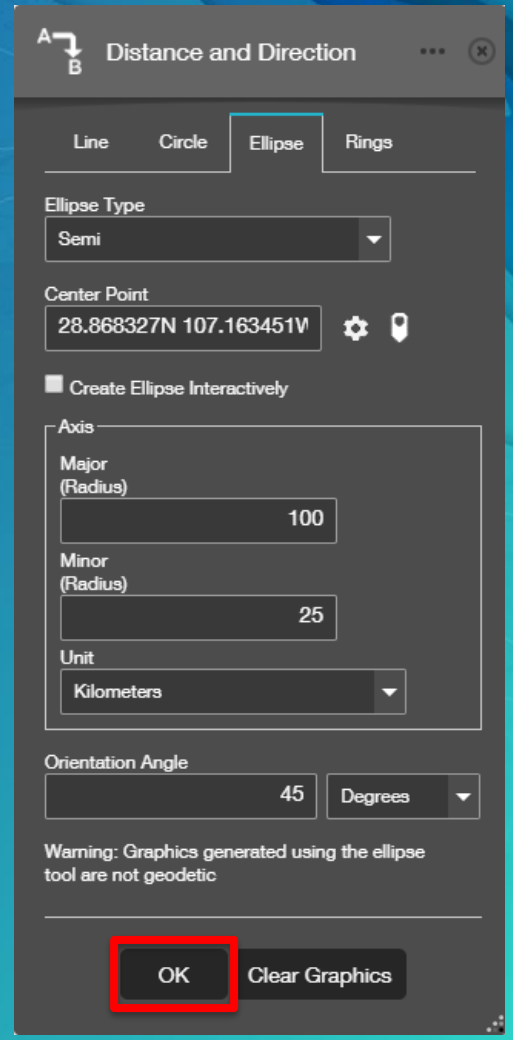
Distance and Direction

Distance and Direction

Geometry creation in one location

- Create geodesic graphics and features
  - Lines
  - Circles
  - Ellipses
  - Rings
- Distance of travel based on capability
- Save graphics with attribute information

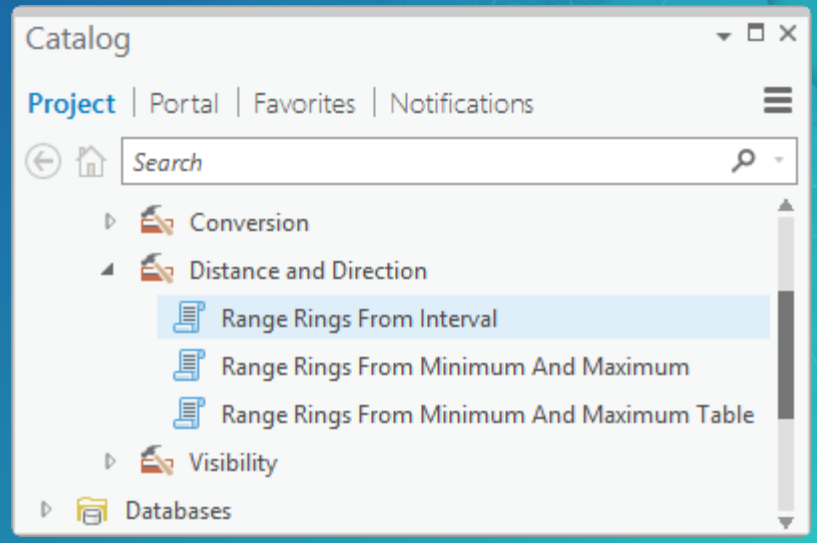




Distance and Direction

Use Geoprocessing to create Distance and Direction features

- Create Range Rings based on parameters
  - Given interval
  - Minimum and maximum distances
  - From a table

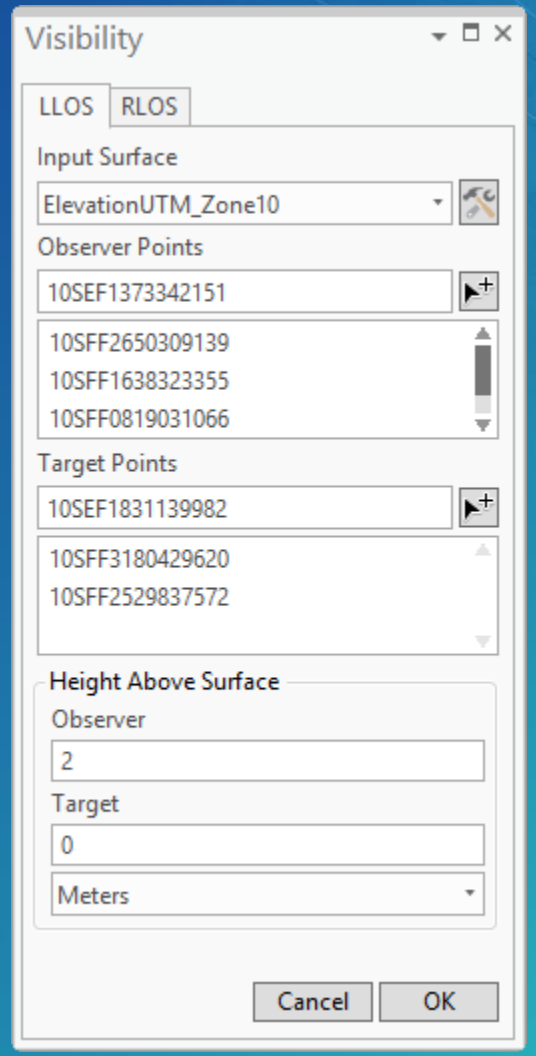


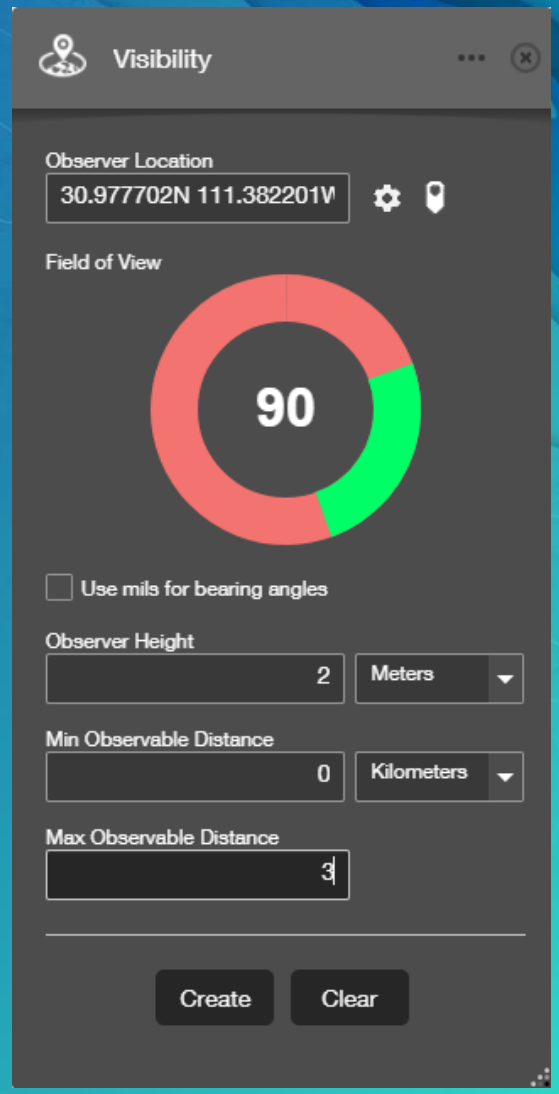
Visibility

Visibility

Quickly answer visibility questions

- Find answers to visibility questions
  - Field of view from a given observer(s)
  - Find visible points along a straight line of sight

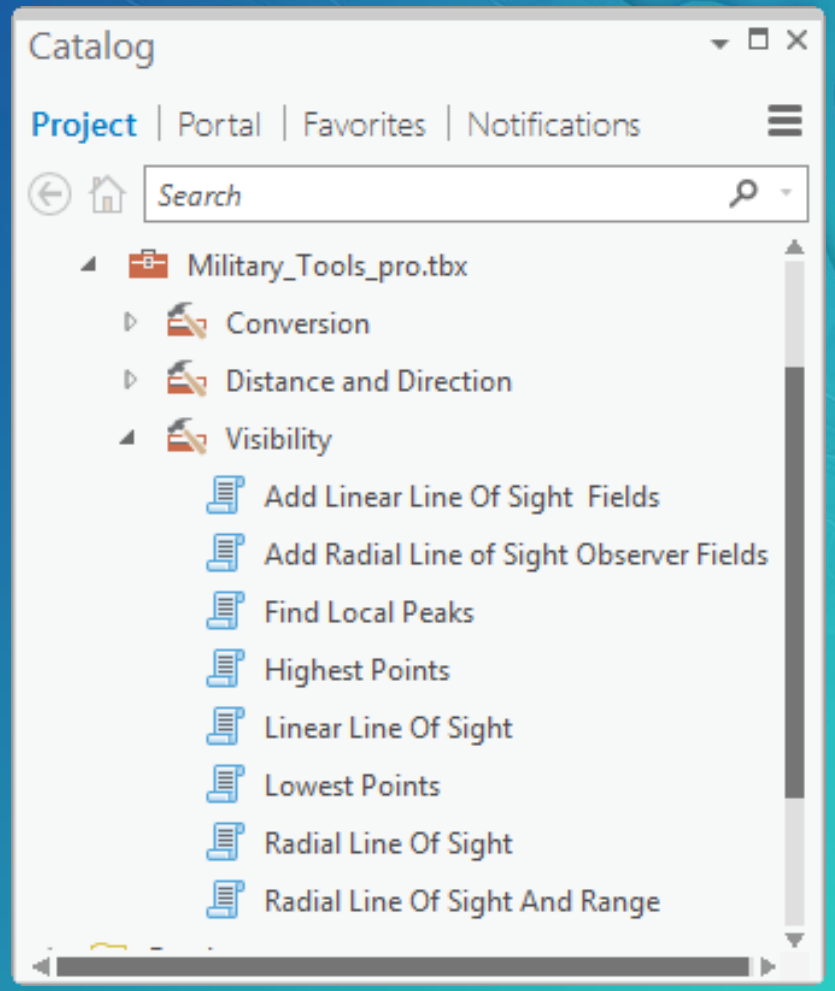




Visibility

Quickly answer visibility questions

- Find answers to visibility questions
  - Linear Line of Sight
  - Radial Line of Sight
- Answer questions about terrain
  - Highest Points
  - Local Peaks
  - Lowest Points



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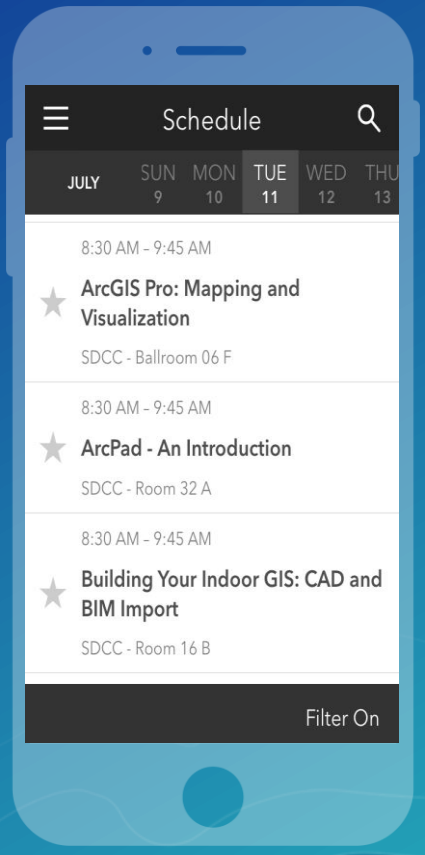
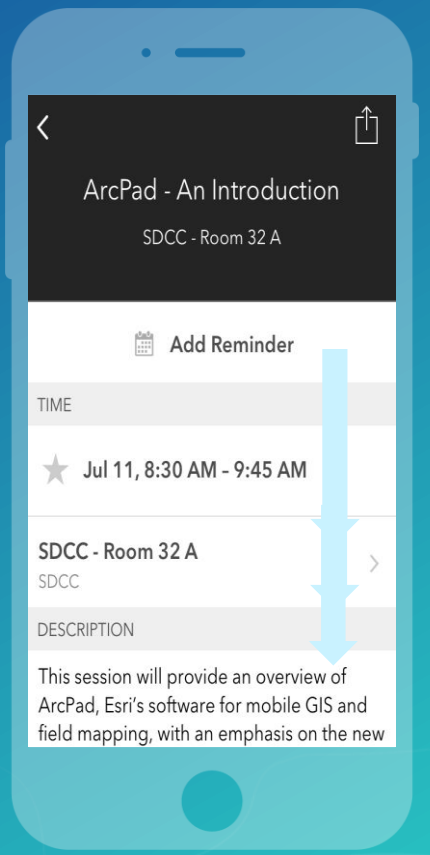
Download the Esri Events app and find your event

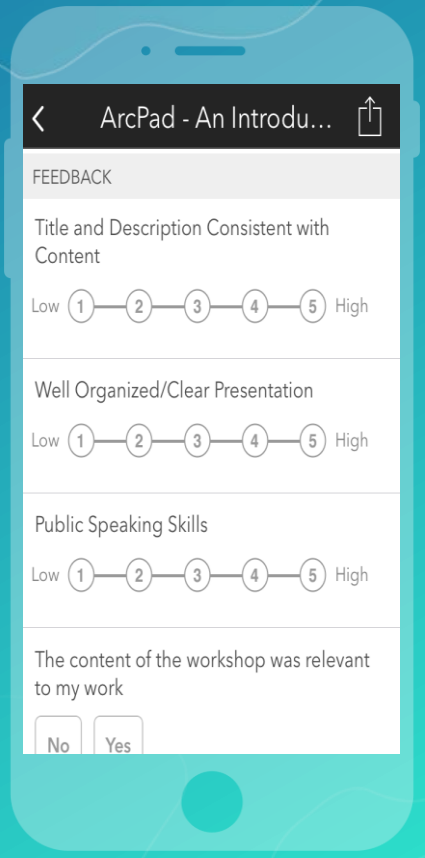
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



Questions

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