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The Common Operating Picture

Lessons, Ideas, and the Future

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Paper #: 4076

Session Title: Lightning Talks - Common Operating Picture

Date: Sunday, July 10, 2011

Time: 2:45 PM - 3:45 PM

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Version 1.0

The Common Operating Picture

What it is or What it has been



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The Common Operating Picture

What it has been

- Born from the Commander's briefing
- Map-centric
- Aggregating information geospatially
- Shared platform to view definitive datasets



An Example - The IDC2COP

Integrated Defense Command and Control Common Operating Picture



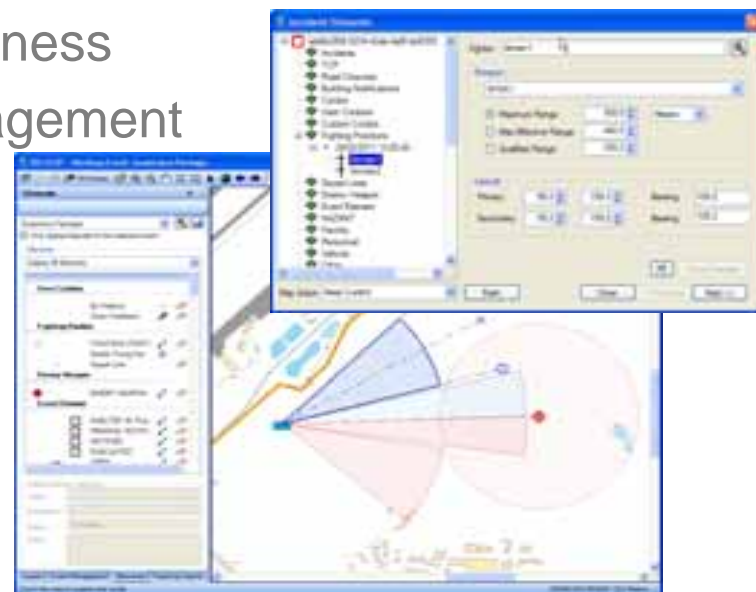
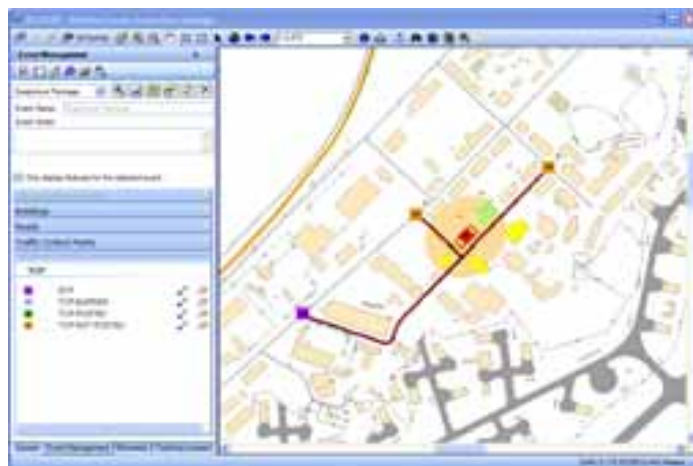
- USAF HQ Security Forces Center
- Distributed Architecture
- Desktop Application



The IDC2COP Cont.

Supporting force protection, emergency management and law enforcement missions

- Common operating picture and tactical C2 capability
- Visualization of physical security and other sensors
- Base defense planning tools
- Collaborative situational awareness
- Cross-functional incident management
- Blue force tracking



The Common Operating Picture

Lessons Learned



- Users are very familiar with maps as part of user interfaces across the devices they work with
- The expectations for user interaction have changed. Mobile and small form factor devices (tablets and smart phones) have especially been influential
- Social media has also had a large influence
- Location is often relevant however the map (COP) is not always foremost in providing value

The Common Operating Picture

Lessons Learned



- It's not just about “where are the incidents”
- It's not always about the map
- Disconnect between capabilities and requirements
 - Well intentioned top-down programs
 - Different needs for different missions: Criminal intelligence, response, recovery
 - Awareness of the Incident Command System (ICS) GIS Specialist (GISS) position and duties

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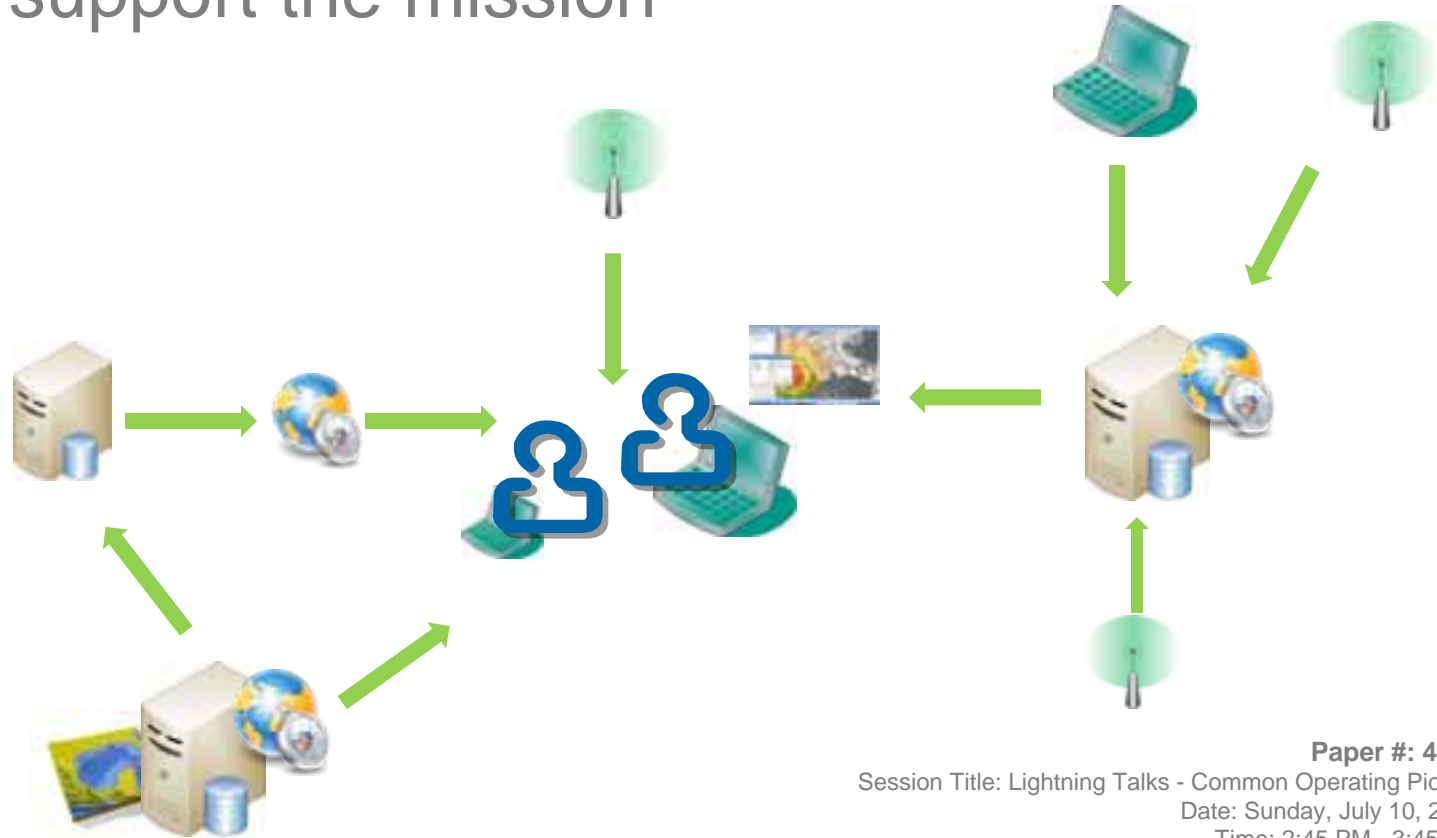
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Transition and Future

- Location aware services for people to support the mission



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Transition and Future



- Support everyone not just the briefing - spatial services should be pervasive
- Support the briefing correctly
 - Provide capabilities to present ideas and options
- Services should support how people work
 - “Picture in picture”
 - Effective use of voluntary geographic information (VGI)
 - “I still need a map”

The Common Operating Picture Questions



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