

COP for Support – Integrating SAP for Defense & Security with Geospatial Information

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Roadmap

Common Operating Picture – What is it?

SAP's Defense Forces and Public Security

Integrating and using DFPS in a COP









Common (Relevant) Operating Picture

Common Operation Picture (COP) - A single identical display of relevant information shared by more than one command. A common operational picture facilitates collaborative planning and assists all echelons to achieve situational awareness.

Common Relevant Operational Picture (CROP) - A presentation of timely, fused, accurate, and relevant information that can be tailored to meet the requirements of the joint force commander and the joint force and is common to every organization and individual involved in a joint operation.

US Joint Forces Command Glossary





Some Thoughts on the C(R)OP

Key purpose is to enable effective and timely decision-making

- Decrease the decision cycle time of the force and to visualize the course of action
- Rapidly take action and track execution

Need to aggregate and synthesize data from multiple sources and systems

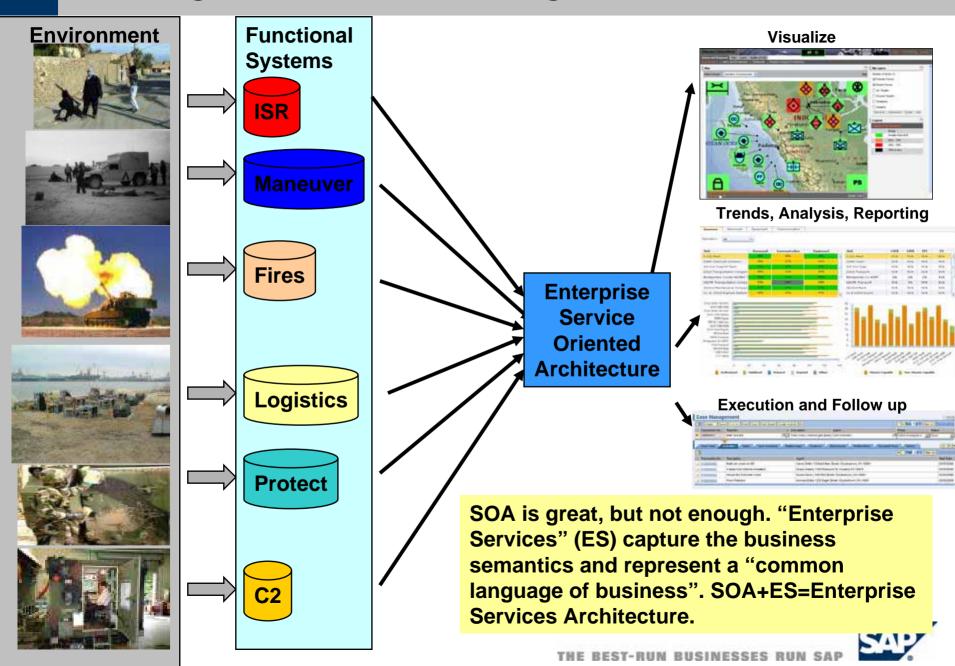
Need to present knowledge in a format decision-makers can easily digest, see what is important and use

Building blocks are:

- COTS technology
- Geographic information system (GIS)
- Central user interface (portal)
- Net-centric environment building on Web services (SOA)

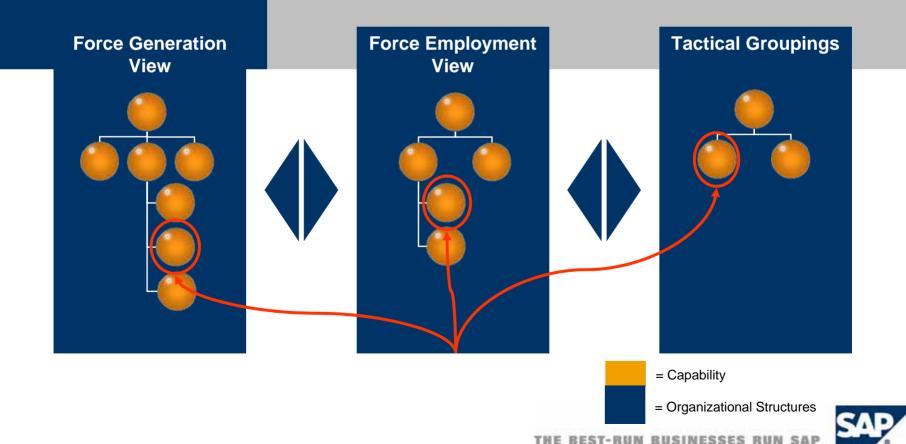


Building the C(R)OP Knowledge Framework

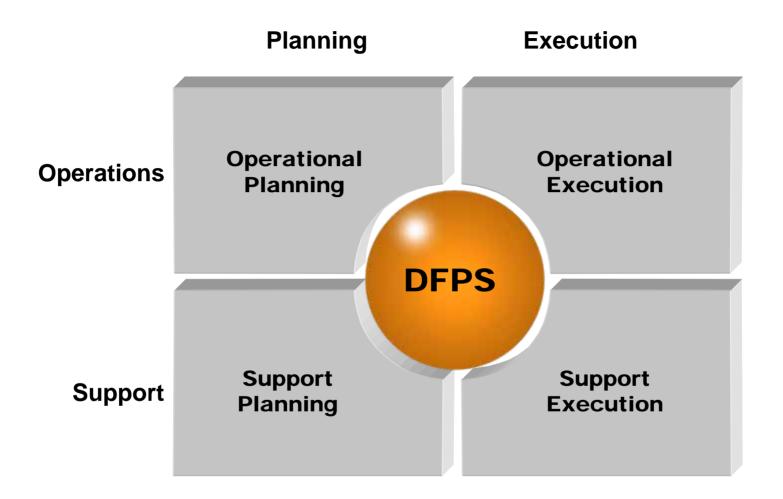




Defense Forces and Public Security



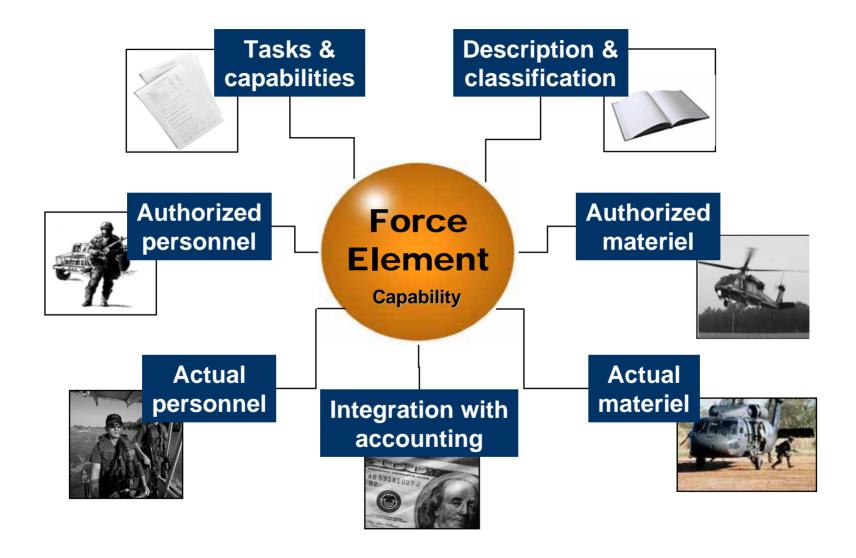
DFPS Building Blocks



One integrated system to plan, execute and sustain operations



Force Element





Unique Capabilities for Operational Forces

1. Flexible organizational structures with...

Basic Structure Tucson Branch Phoenix Unit Sierra Vista Unit FE Copy or Link **Operational Structure Operation Full Court Press** Sierra Vista Unit

2. ...integrated logistics capabilities

Flight Operations

Flight status board

Line Maintenance

- Aircraft status board
- Mobile maintenance processes

Materials Management

- Return deliveries and equipment loans
- Condition codes, status codes, advice codes, requirement priority
- Mobile supply processes
- Planning, preparation and execution of dangerous goods shipments









DFPS - C(R)OP Capabilities

Display force element status temporarily and geospatially

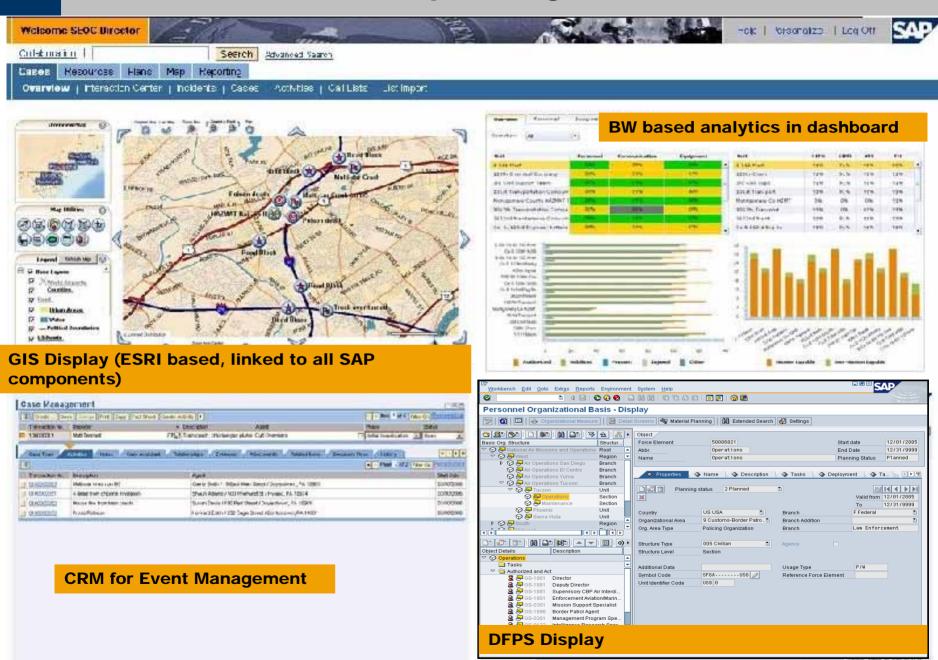
- Use predictive elements of Business Warehouse to predict status changes
- Show current and projected status
- Show status trends
- Predict when force elements will need to re-supplied or replaced

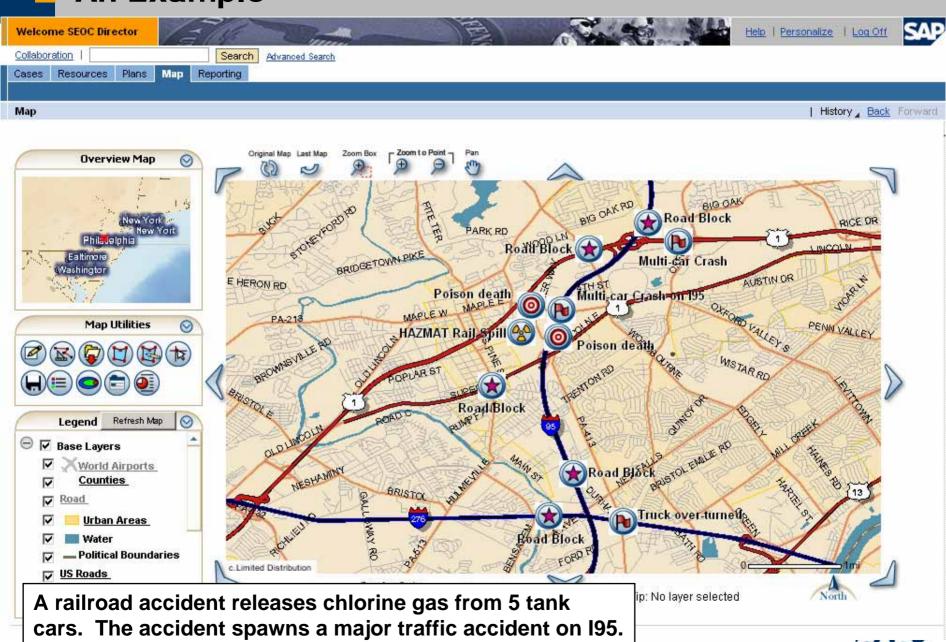
Find the appropriate force elements to respond to a situation

- Rapidly assess the situation
- Determine capabilities required
- Rapidly locate the nearest force elements with the required capabilities
 - ◆ Can use dispatching solutions such as Genesys to automatically locate and notify force elements
 - ◆ Leverage workflow and DFPS capabilities to rapidly task organize and cross-attach force elements into tailored organizational packages

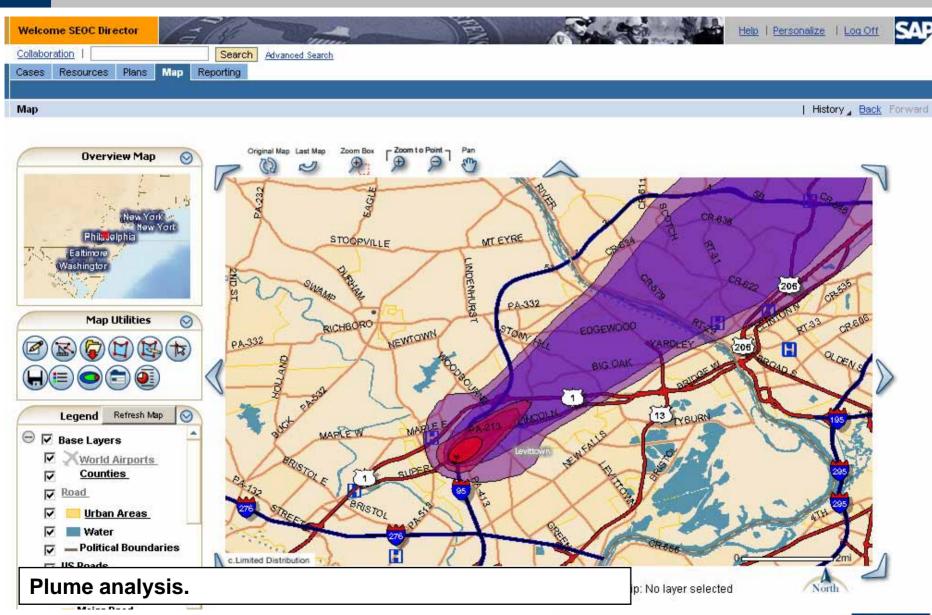


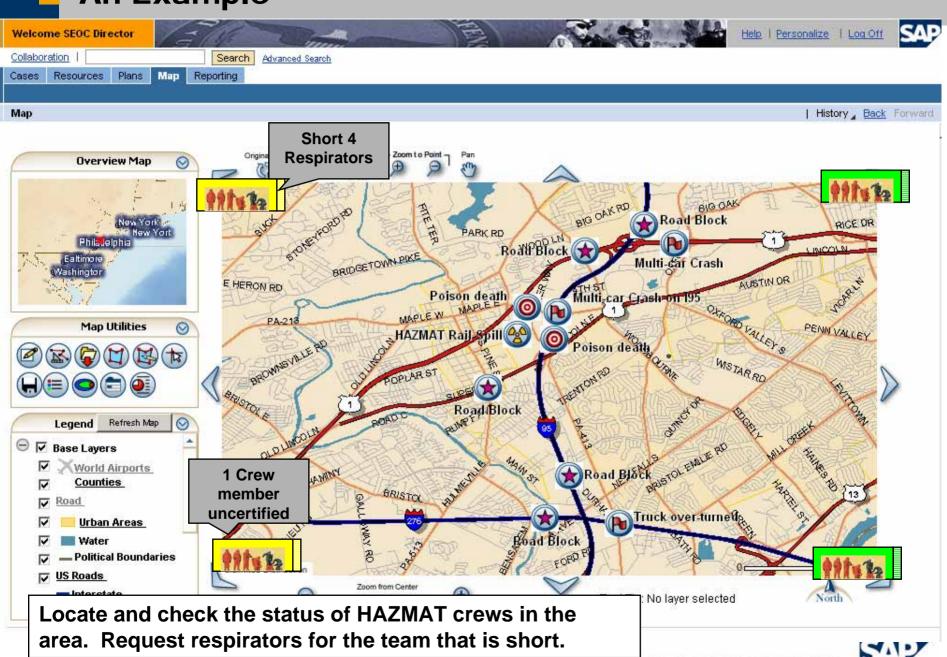
Common (Relevant) Operating Picture [C(R)OP]

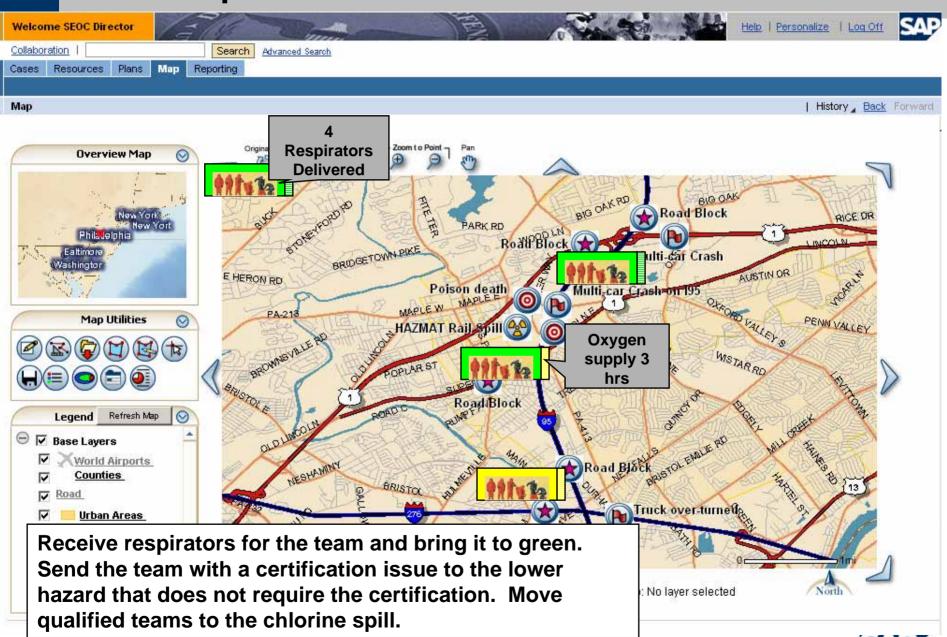


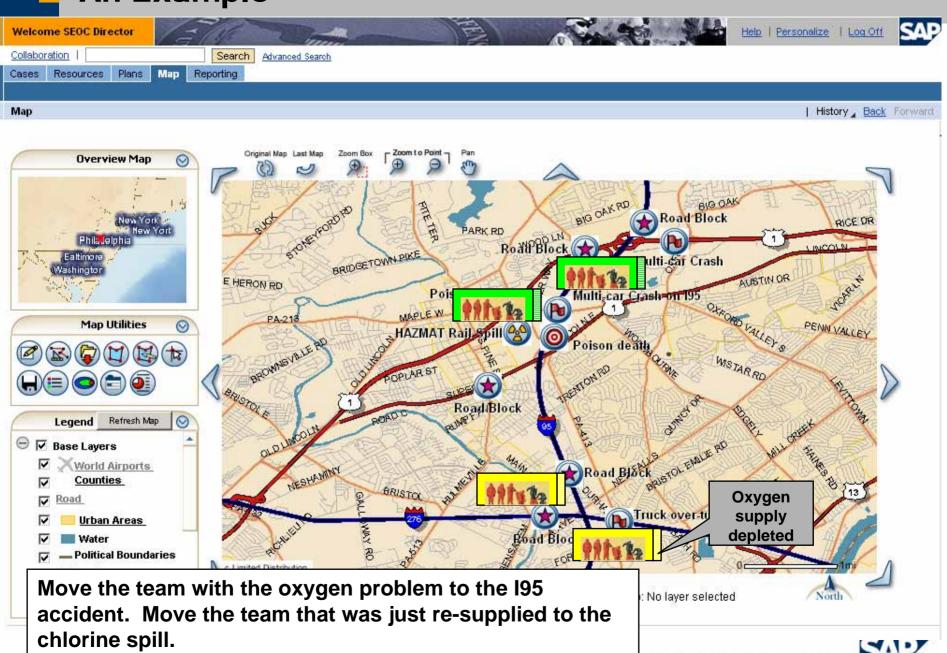


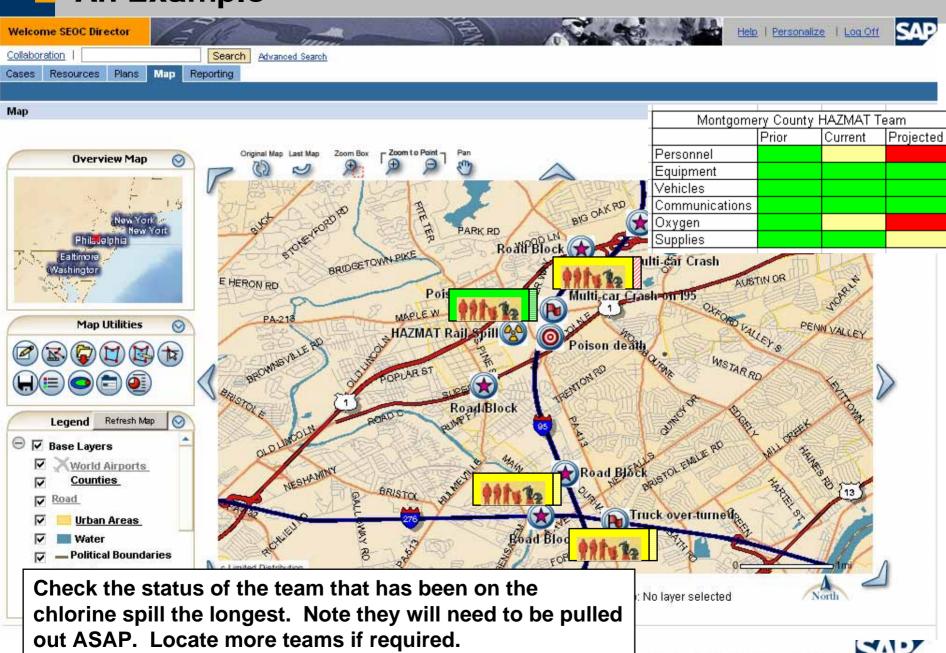
Modeling the Plume











Summary

DFPS enable C(R)OP allows:

- Integrated situational awareness and analysis in the C(R)OP
- Quickly locate and employ the appropriate assets
 - **◆ Track asset status**
 - **♦** Project asset status
- Improved decision-making
 - **♦** Right information at the right time
 - **♦** Right format
 - **◆ CONOP**
 - **◆ CONPLAN**
 - **◆** Tailored structures



