

OSPR/Chevron Response Technology Workshop

Feb 23 - 26 | Alameda, California

Integrating the Incident Command System (ICS) with a Common Operating Platform (COP)

Paul Hastings

Witt O'Brien's

1

Tracking Resources
(Spreadsheet)

2

Tracking Resources
(Esri)

3

Tracking Resources
(3d software)

4

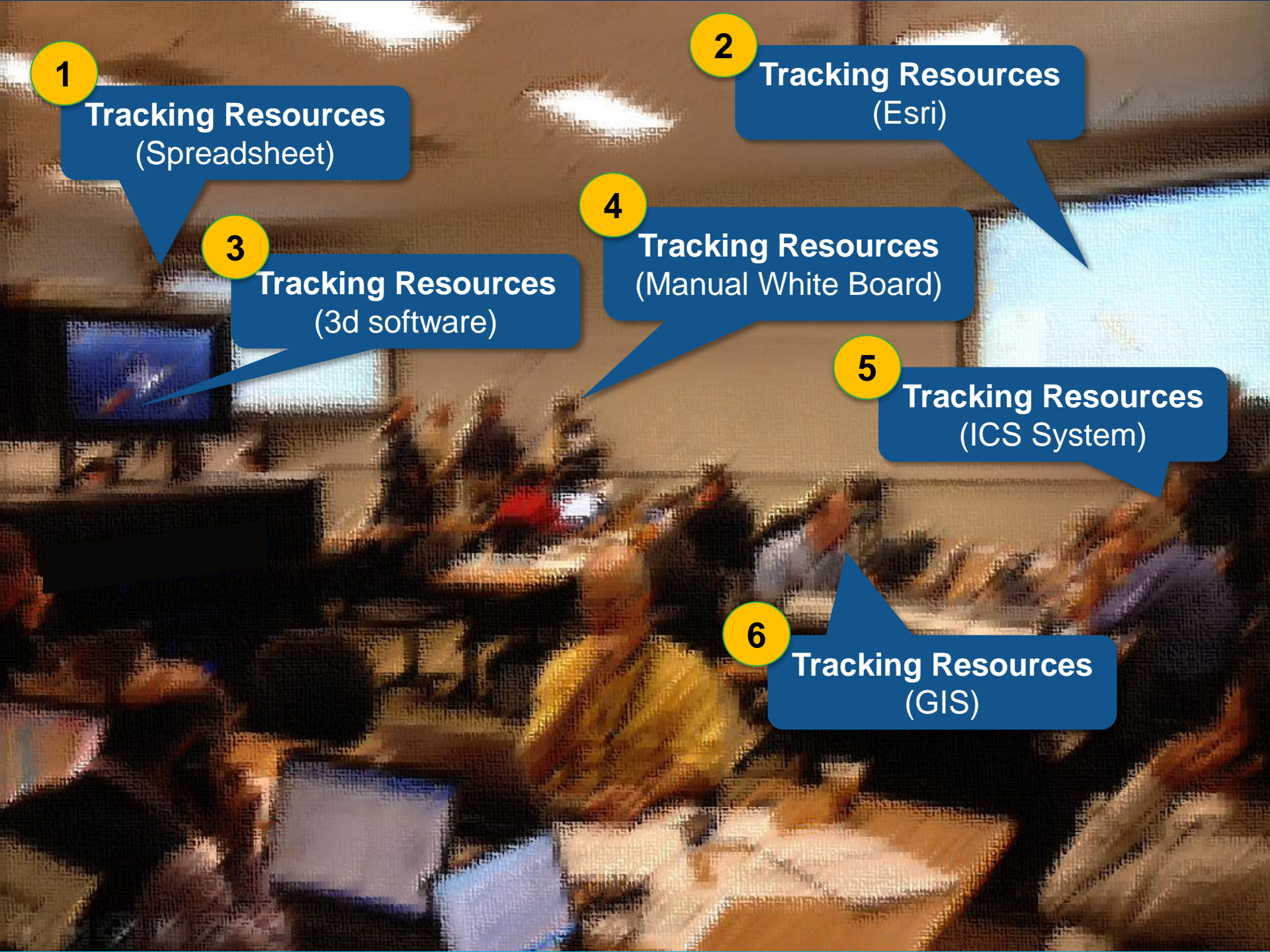
Tracking Resources
(Manual White Board)

5

Tracking Resources
(ICS System)

6

Tracking Resources
(GIS)



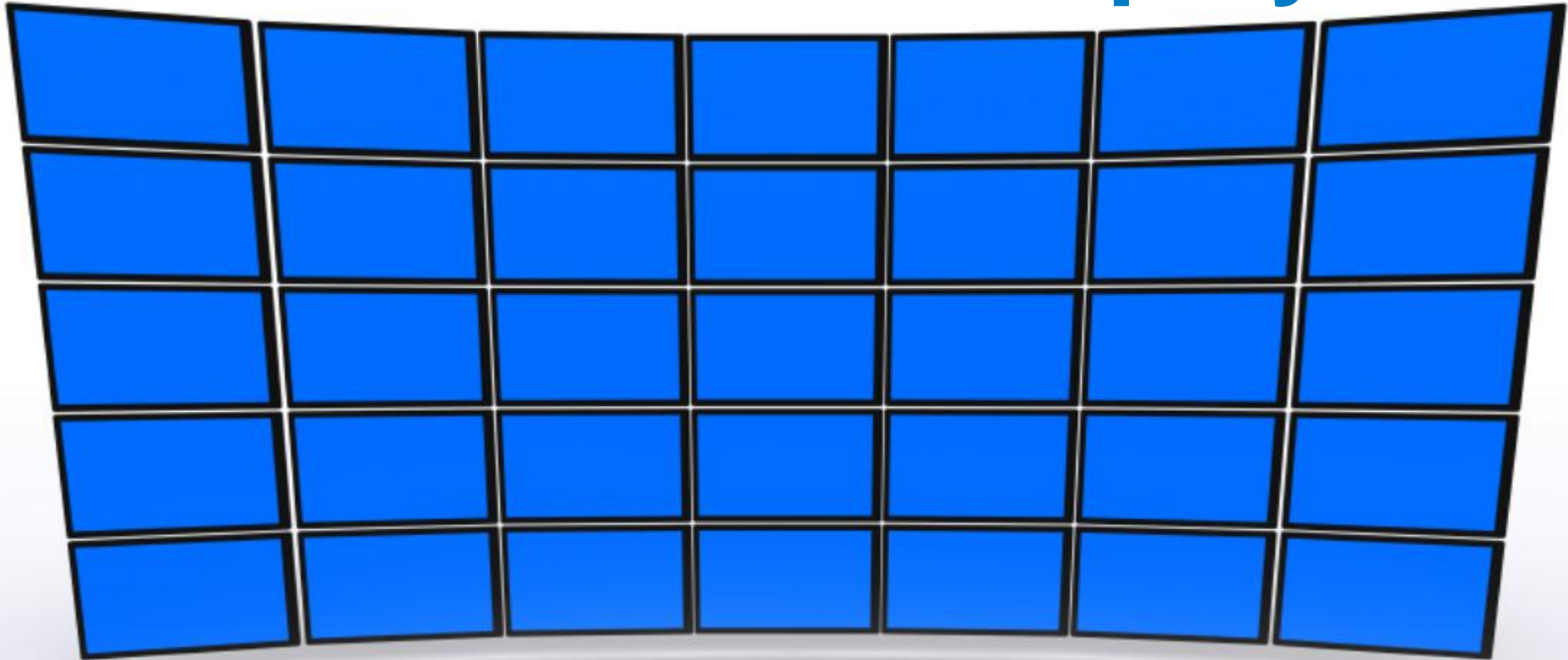
Good News!



COP deployed

Not So Good News!

> 40 COPs deployed



Opportunities for Improvement Exist





Integration of ICS with COP

Common Operating **Platform**



Common Operational Picture

A **Common Operational Picture (COP)** is a single identical display of relevant information shared by more than one Command.

A **COP** facilitates collaborative planning and assists all echelons to achieve situational awareness.

Common Operating Platform

- A **single** situational **platform** depicting the status of response information that is shared by numerous response stakeholders.

What is ICS?

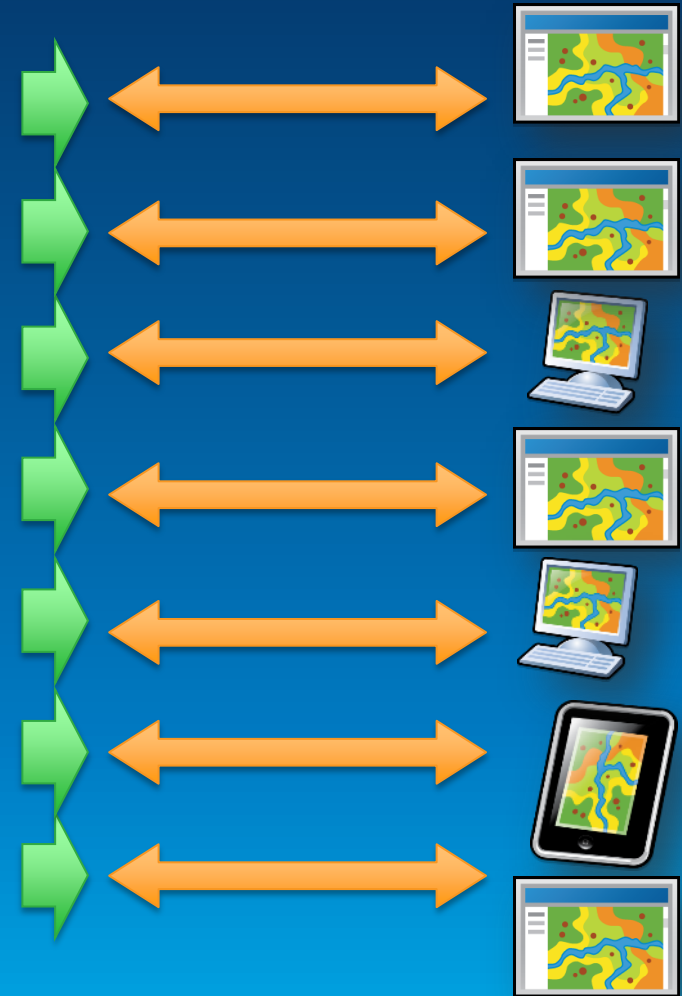
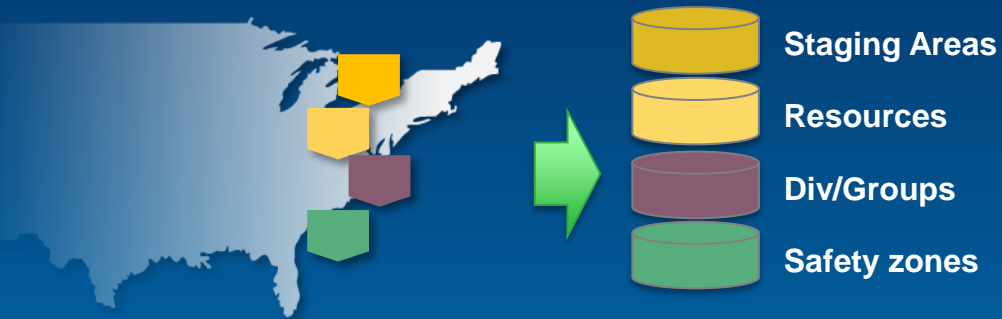
A standardized, on-scene, all-hazards incident management approach that allows for the integration of:

- Facilities
- Equipment
- Personnel
- Procedures
- Communications



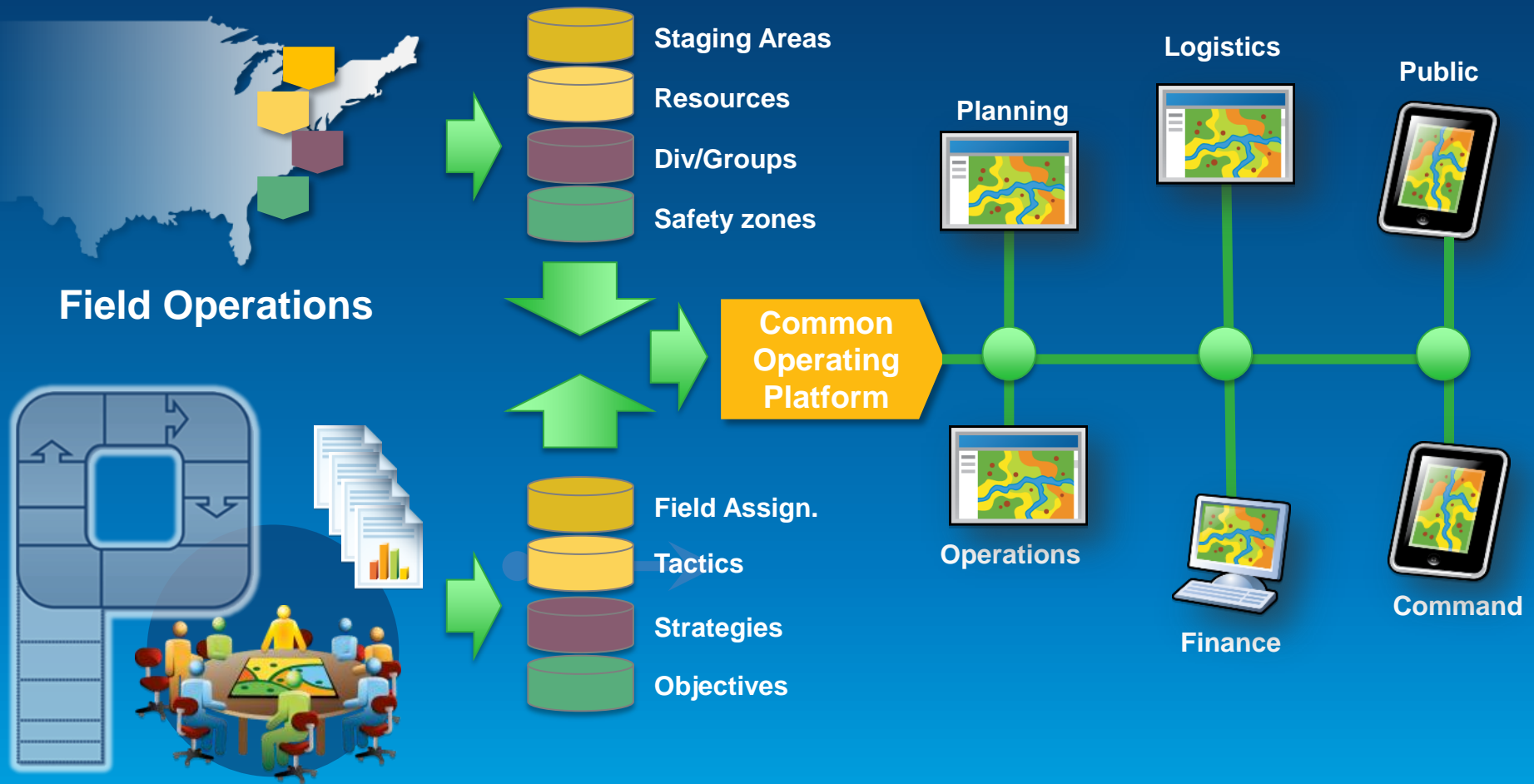
Current Information Flow

Field Operations



ICS Operations (ICP/EOC)

Integrated Platform



ICS Operations (ICP/EOC)

ArcGIS Online

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CONTROL THE OUTCOME

COMMANDPro®
Command, Control, Collaborate

Incident Management in the Cloud



COP_melbourne airport
explosions drill 13



Div 1 Map

CommandPro® – Automated ICS

COMMANDPRO®
Welcome
Site Admin !

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Home > Incident Management > Active Incident > Melbourne Airport Explosions Drill 13

Incident Dashboard

Incident Summary

Incident Command Structure

Incident Forms

Initial Response

Operational Periods

Incident Situation Board

Incident Virtual Board

Resource Status Board

Announcements

Resource Finder

Document Library

Print Documents

Email Documents

Task Management

Command Structure

Command Status Board

Incident Wall

Meeting Management

ICS 201 Wizard

Incident Summary
(MELBOURNE AIRPORT EXPLOSIONS DRILL 13 : INITIAL RESPONSE)

[Planning P](#)[Forms](#)[Incident Command Structure](#)[My Tasks](#)[Weather](#)

Tactics Meeting

Prepare For Planning Meeting

Planning Meeting

Prepare For Tactics Meeting

Command & General Staff Meeting

IC/UC Develop/Update Objectives Meeting

Execute Plan & Assess Progress

New Ops Period Begins

IAP Prep & Approval

Operations Briefing

Initial UC Meeting

Incident Briefing ICS - 201

Initial Response and Assessment

Notifications

Incident/Event

Initial Response

Incident Summary

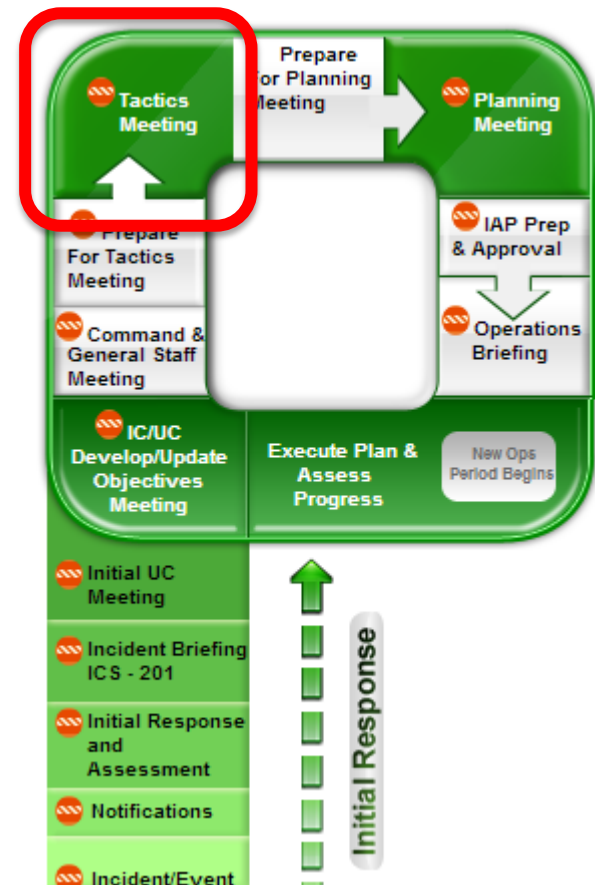
There has been three major explosions reported at the Melbourne Airport. Mutual Aid organizations are responding. Air traffic has been halted and FDOT is supporting securing the terminal.

Esri UC2013

Integrating the Incident Command System (ICS) with a Common Operating Platform (COP)

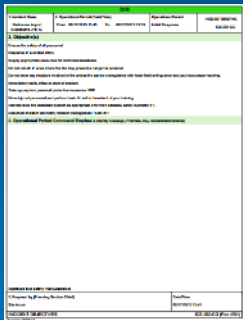
Example Use Case

Tactics Meeting



Typical Workflow (Resource Requirements)

Incident Objectives

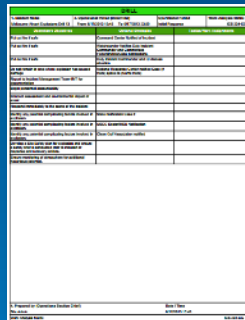


The ICS 202 form is titled 'Incident Objectives' and contains sections for 'Incident Objectives', 'Incident Objectives', and 'Incident Objectives'. It includes a table for 'Incident Objectives' with columns for 'Incident Objectives', 'Incident Objectives', and 'Incident Objectives'. The form is designed to capture the goals and priorities for the incident response.

ICS 202



Work Analysis

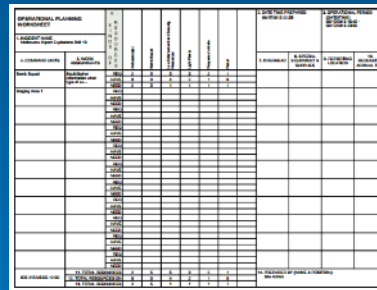


The ICS 234 form is titled 'Work Analysis' and contains sections for 'Work Analysis', 'Work Analysis', and 'Work Analysis'. It includes a table for 'Work Analysis' with columns for 'Work Analysis', 'Work Analysis', and 'Work Analysis'. The form is designed to capture the tasks and resources required for the incident response.

ICS 234

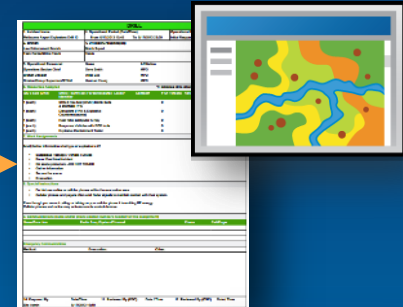


Operational Planning

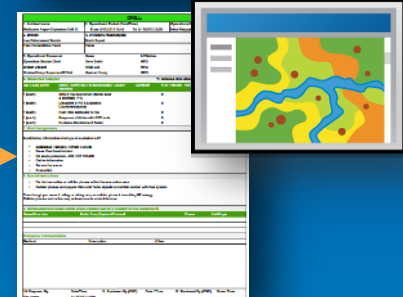


The ICS 215 form is titled 'Operational Planning' and contains sections for 'Operational Planning', 'Operational Planning', and 'Operational Planning'. It includes a table for 'Operational Planning' with columns for 'Operational Planning', 'Operational Planning', and 'Operational Planning'. The form is designed to capture the operational tasks and resources required for the incident response.

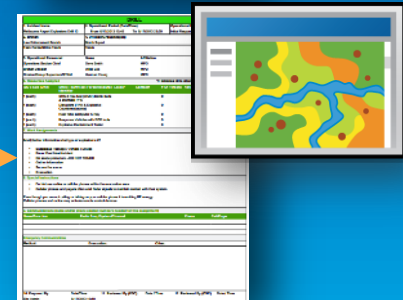
ICS 215



The ICS 204 form is titled 'Resource Requirements' and contains sections for 'Resource Requirements', 'Resource Requirements', and 'Resource Requirements'. It includes a table for 'Resource Requirements' with columns for 'Resource Requirements', 'Resource Requirements', and 'Resource Requirements'. The form is designed to capture the resource requirements for the incident response. A small map icon is visible in the top right corner of the form.



The ICS 204 form is titled 'Resource Requirements' and contains sections for 'Resource Requirements', 'Resource Requirements', and 'Resource Requirements'. It includes a table for 'Resource Requirements' with columns for 'Resource Requirements', 'Resource Requirements', and 'Resource Requirements'. The form is designed to capture the resource requirements for the incident response. A small map icon is visible in the top right corner of the form.



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ICS 204

Geo Locate Command Unit

WITT|O'BRIEN'S
Common Operating Picture

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Melbourne Airport Explosions Drill 13

Command Units

- ☐ Search Group
- ☐ Suppression Group
- ☐ Law Enforcement Branch
- ☒ Bomb Squad
- ☒ Bomb Squad_001
- ☐ City of Melbourne
- ☒ Investigation
- ☐ JTTF
- ☒ SWAT
- ☐ Staging Area Branch
- ☒ Staging Area 1

Bomb Squad

Chief Dave Smith

Director Willie Lee

Supervisor Herman Young

Resource 5

Work Assignment

- Gather information what type of explosion is it? Suspicious Package / Vehicle / Device Pre or Post blast incident On scene procedure –DO NOT TOUCH Gather information Secure the scene Evacuation

View

POWERED BY **esri**

ICS 204 Work Assignment

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Common Operating Picture

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Melbourne Airport Explosions Drill 13

commandpro.obriensrmstaging.com/Guest/ExternalReports/Dis...

commandpro.obriensrmstaging.com/Guest/ExternalReports/DisplayExternalReport.aspx?enc=...

1

Drill			
1. Incident Name	2. Operational Period (Date/ Time)	Operational Period	Assignment List
Melbourne Airport Explosions Drill 13	From 06/17/2013 15:45 To 06/17/2013 23:59	Initial Response	ICS 204-CG
3. Branch	4. Division/Group/Staging		
Law Enforcement Branch	Bomb Squad		
Task Force/Strike Team	Team		

5. Operational Personnel	Name	Affiliation	Contact(s)
Operations Section Chief	Dave Smith	MPD	333-333-3333
Branch Director	Willie Lee	MPD	444-444-4444
Division/Group Supervisor/STAM	Herman Young	MPD	333-555-1234

6. Resources Assigned

* indicates 204a attachment with additional instructions

Qty	Size	Unit	Strike Team/Task Force/Resource Identifier	Leader	Contact	# Of Persons	Notes
1	0	each	SRS-5 Haz-Mat (WMD) Bomb Suits & chemical PPE				
1	0	each	Disruptors (PAN & Explosive Countermeasures)				
1	0	each	Real Time Computer X-Ray				
1	0	each	Response Vehicles with EOD tools				
1	0	each	Explosive Containment Trailer				
1	0	each	Bomb Squad				
1	0	each	Response Vehicle				
1	0	each	Robot				

7. Work Assignments

Gather information what type of explosion is it? Suspicious Package / Vehicle / Device Pre or Post blast incident On scene procedure -DO NOT TOUCH Gather information Secure the scene Evacuation

8. Special Instructions

Do Not use radios or cellular phones within the evacuation area. Cellular phones and pagers often emit finder signals to maintain contact with their system.

Bomb Squad

Chief Dave Smith

Director Willie Lee

Supervisor Herman Young

Resource 5

Work Assignment

Gather information what type of explosion is it? Suspicious Package / Vehicle / Device Pre or Post blast incident On scene procedure -DO NOT TOUCH Gather information Secure the scene Evacuation

ICS 204

ICS 215

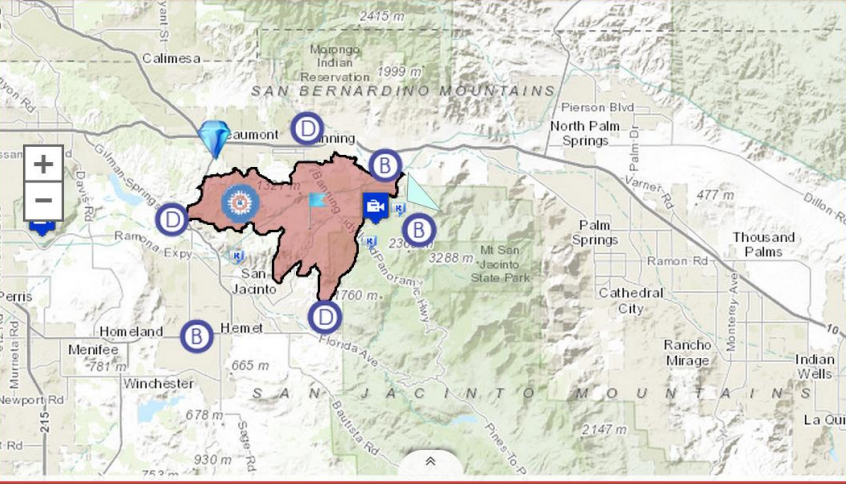
View

Esri UC2013 .

Multi-Panel Viewsets

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ESRI Demo



Critical Fire Conditions in Wyoming

Increasing flow aloft coupled with a strengthening surface pressure gradient will help support sustained westerly winds around ...

Wed, 03 Sep 2014 16:58:03 GMT

Monday's Critical Fire Weather

There is a critical fire weather area for Monday that includes portions of northwestern California and extreme southwestern ...

Mon, 18 Aug 2014 11:52:25 GMT

Tuesday's Critical Fire Conditions

A critical fire weather area is in effect for dry thunderstorms across northern California, much of Oregon, central and eastern ...


Tue, 12 Aug 2014 12:47:03 GMT

Monday's Critical Fire Conditions

The critical dry thunderstorm risk continues from northern California, extreme northwestern Nevada

Powerhouse Fire - Brush Fire - DC-10 Airtanker Drops


4 Panel Fire



1:56 / 2:36

YouTube

Columbia Helicopters Fire Fighting Helicopter - Pilot's View



Expand 0:29 / 2:04

YouTube

Click and Add Layers

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ESRI Demo

The map displays the San Bernardino Mountains and surrounding areas. A red-shaded region indicates a critical fire weather area. Various locations are marked with blue circles and letters: 'D' for Dillon, 'B' for Banning, 'H' for Hemet, and 'J' for Jacinto. A weather information panel is overlaid on the map.

Weather Information

48.8° F
Clear
69° F - 43° F
Hemet, CA

Friday: 64° / 43°
Saturday: 51° / 39°
Sunday: 55° / 37°

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Powerhouse Fire - Brush Fire - DC-10 Airtanker Drops

4 Panel Fire

A DC-10 Airtanker is shown in flight, dropping a large amount of white retardant over a fire. The video is titled 'Powerhouse Fire - Brush Fire - DC-10 Airtanker Drops'.

Columbia Helicopters Fire Fighting Helicopter - Pilot's View

A pilot's view from a fire fighting helicopter, showing a large fire and the helicopter's rotor blades. The video is titled 'Columbia Helicopters Fire Fighting Helicopter - Pilot's View'.

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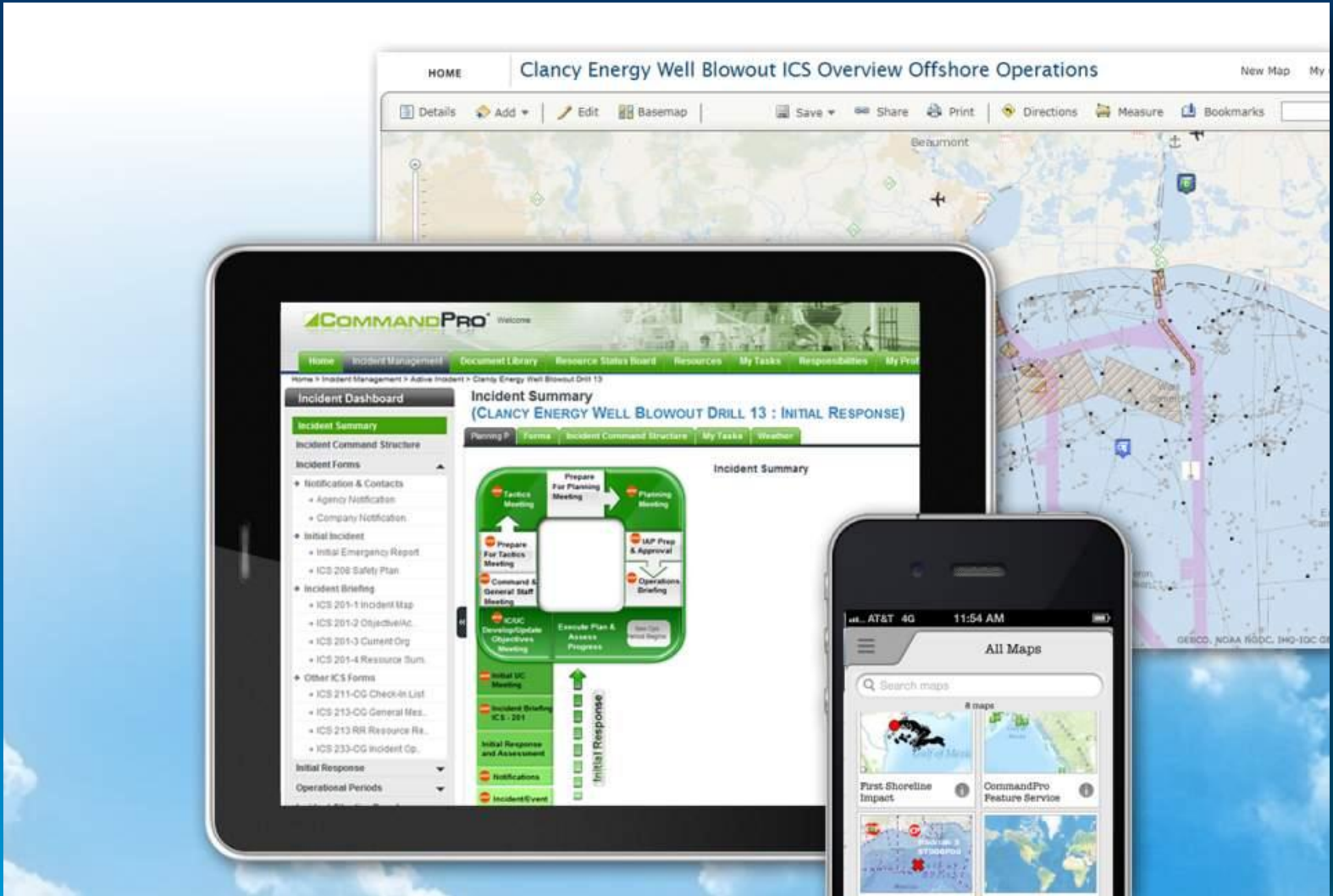


COP_melbourne airport explosions drill 13



Div 1 Map

Available on Multiple Devices



Thank You

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