

# Working on a Common Operational Picture: Current reality and Future Potential

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## Format

- ✦ Introduction
- ✦ The Challenge - Scale & Complexity of Emerging Threats
- ✦ What is a Common Operational Picture?
- ✦ Current reality
- ✦ Future approach
- ✦ Case Study: Multi-national response
- ✦ Key enablers

The Challenge?

# Complexity & Scale of Emerging Threats & Hazards

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3





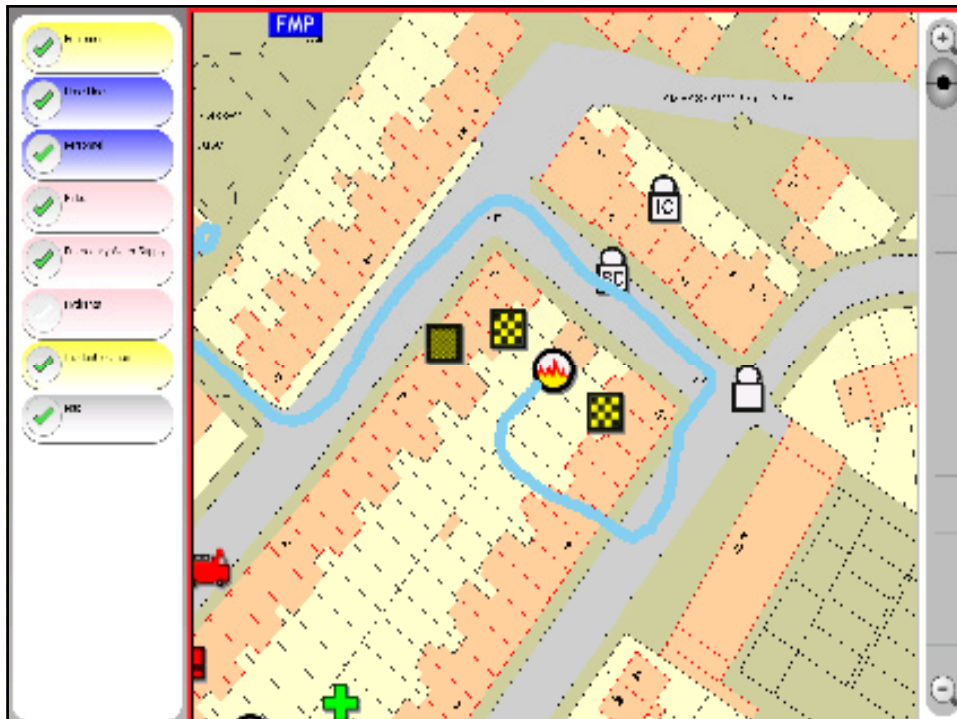
What is a  
'Common Operational Picture'

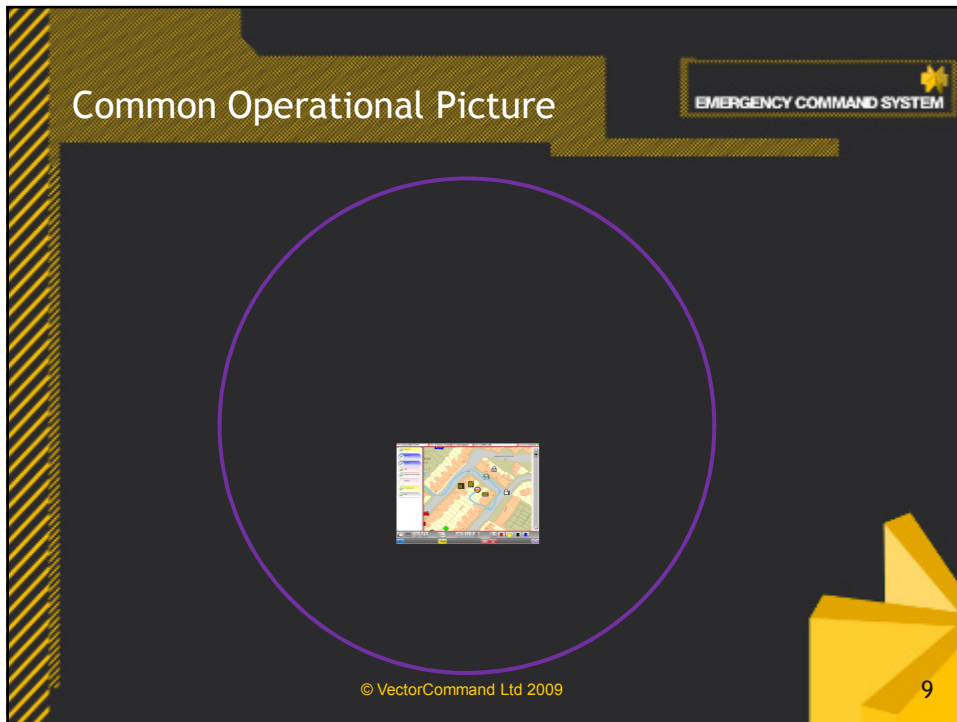
EMERGENCY COMMAND SYSTEM

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7





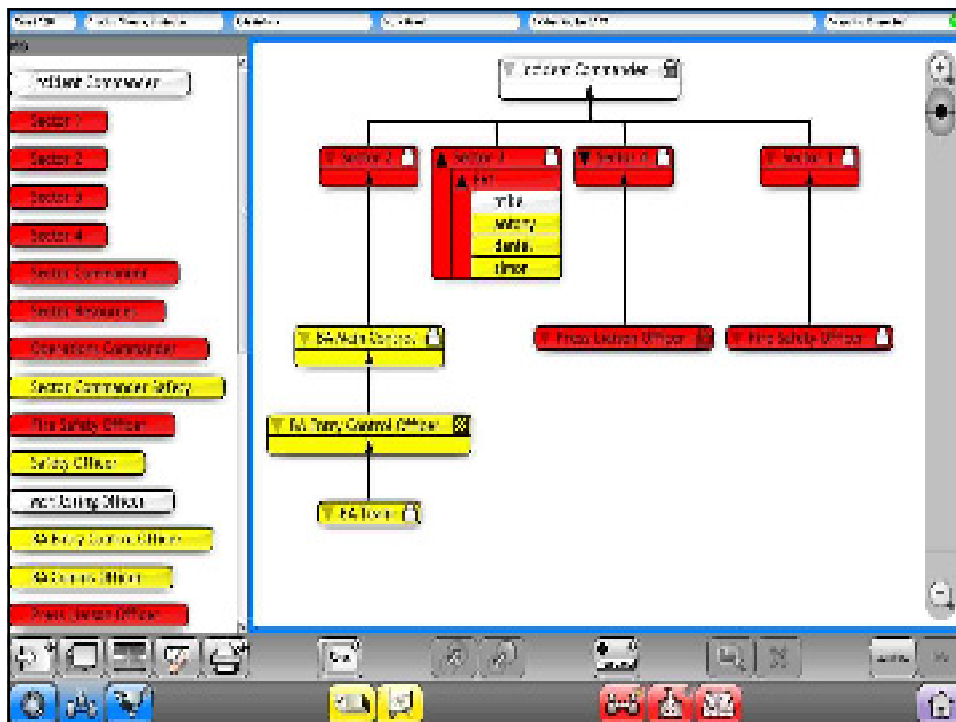
# Common Operational Picture

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# Common Operational Picture

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The screenshot displays the Emergency Command System interface. At the top, it shows the time (11:55), duration (0 hours, 0 minutes), role (Role), mode (Mode Used), incident number (Incident Number 200), and connection status (Connection Connected). The main area contains a list of incident details with the following fields:

- Initial Risk Register: Includes expand/collapse, check, and delete icons.
- Introduction: Includes a help icon, check, and delete icons.
- Risk: Highlighted in red, includes a help icon, check, and delete icons.
- Quantities: Includes a help icon, check, and delete icons.
- Control: Includes a help icon, check, and delete icons.
- Control: Includes a help icon, check, and delete icons.
- Technical Guidance: Includes a check and delete icon.
- UK ECG Manual v3: Includes a help icon, check, and delete icons.

The left sidebar contains status filters: Open (checked), In Progress (checked), Discarded (unchecked), and Closed (checked). The bottom of the interface features a toolbar with icons for navigation, printing, and other system functions.

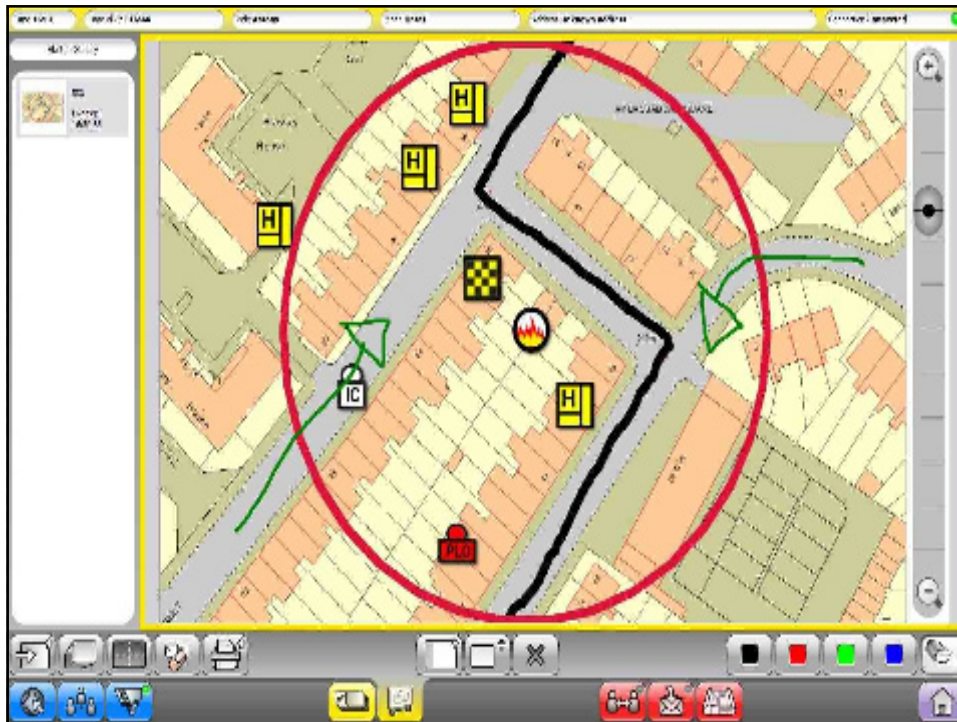
# Common Operational Picture

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# Common Operational Picture

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View Map List Camera

Home Back Forward

# Common Operational Picture

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19

# Common Operational Picture

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20

# Common Operational Picture

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# Common Operational Picture: Current Reality

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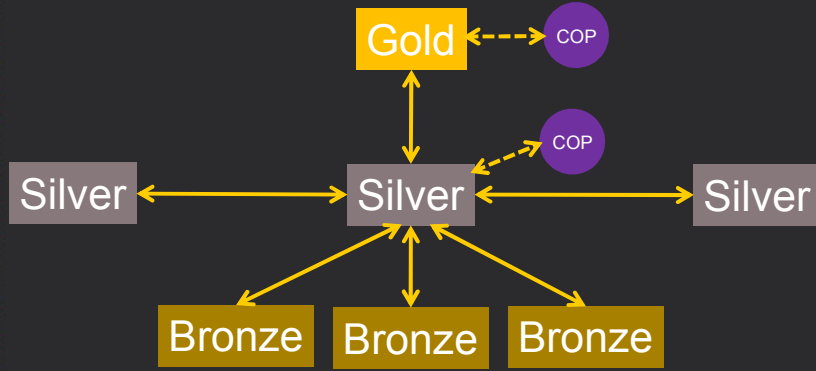


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22

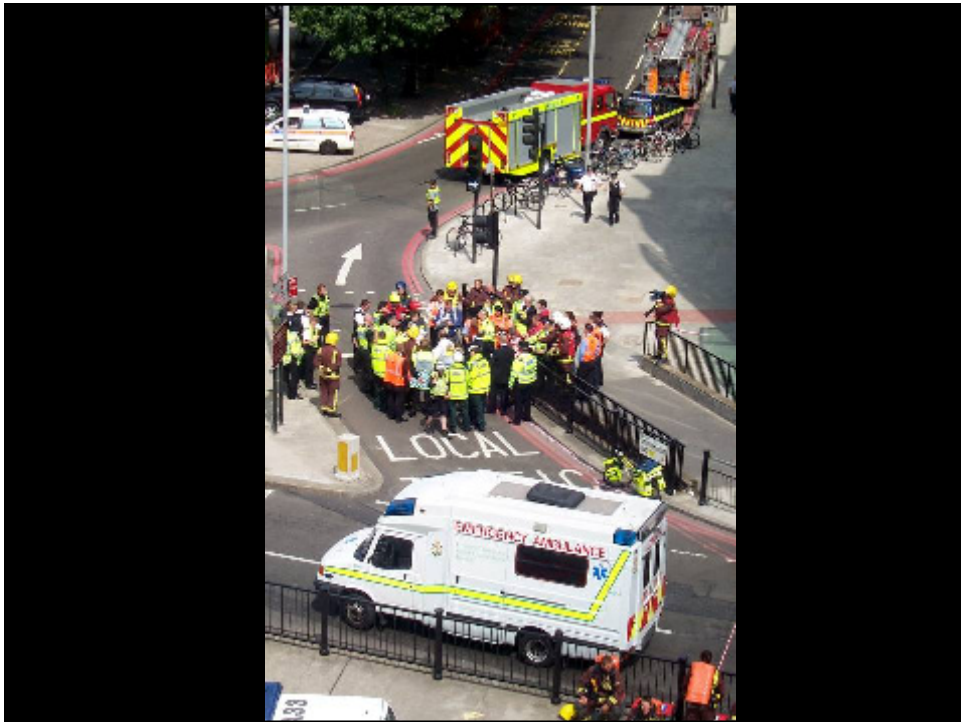
# Common Operational Picture: Current Reality

EMERGENCY COMMAND SYSTEM

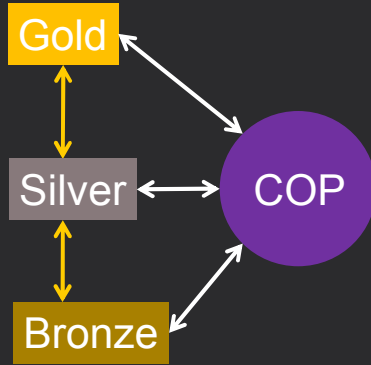


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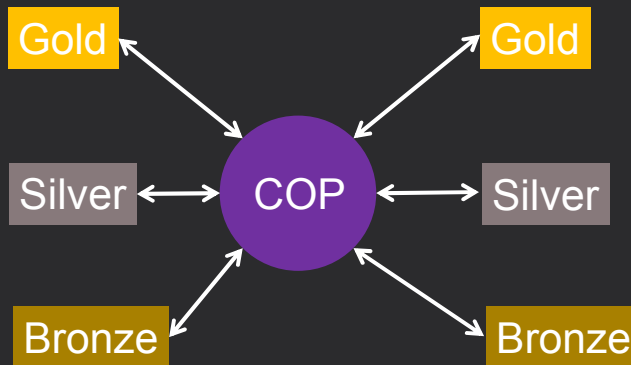
23



# Common Operational Picture: Future Approach

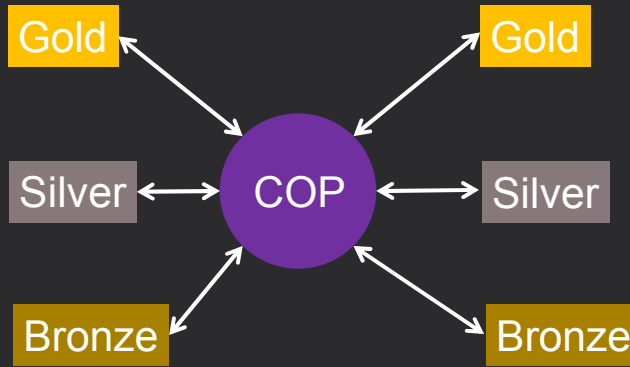


# Common Operational Picture: Future Approach



Common Operational Picture:  
Future Approach - Resilience

EMERGENCY COMMAND SYSTEM

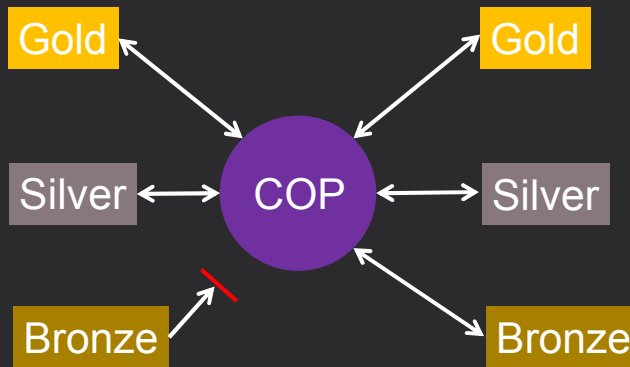


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27

Common Operational Picture:  
Future Approach - Resilience

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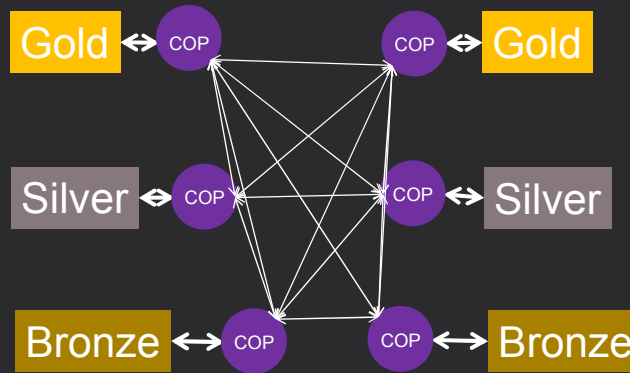


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## Common Operational Picture: Future Approach - Resilience

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## Case Study:


# Multi-national Response - EU FloodCommand Project

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## EU Rapid Response - Project EU FloodCommand

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- ✦ A programme of conferences, workshops, exercises and technology development
- ✦ Between UK, Ireland and Sweden
- ✦ Both multi-national and multi-agency
- ✦ Over 18 months: Feb 07 to Jul 08
- ✦ At a cost of 1,250,000 euros
- ✦ Managed by joint Project Board:
  - UK (Cabinet Office, MCA & VectorCommand), Ireland (Coast Guard), Sweden (Swedish Rescue Services Agency) and European Commission

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31

## Project EU FloodCommand - Aims

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- ✦ Establish a system to integrate Maritime Search & Rescue resources from across Member States into a coordinated response to coastal or tidal flooding.
- ✦ Enhance cross-border cooperation between Member States in the fight against natural disasters.
- ✦ Raise awareness of the risks of catastrophic flooding as a result of tsunami or tidal surge events.

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32

## What were the solutions?

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### ✦ What systems did multi-national response need?

- Fast, Effective Access to Critical Incident Data
- Clear Command Communications
- Common Operational Picture
  - Shared across an incident
  - Shared between many agencies
- Capacity to:
  - operate on a massive scale
  - operate over long timescales
  - manage massive numbers of victims and resources

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33

## Key Requirements

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### ✦ What is needed is:

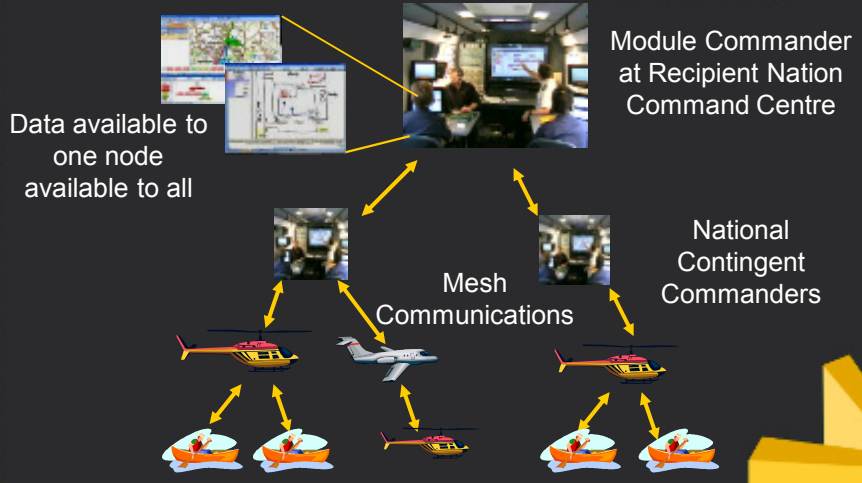
- An Integrated Solution, in which all the pieces come together
- A solution that is Fast
  - Fast to learn
  - Fast to set up
  - Fast to use
  - Fast to share and distribute Information
- Customised to the specific requirements of emergency command

Objective: Technology that is easy to use, robust and reliable

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# EU FloodCommand Configuration



# Common Operational Picture



## Key Enablers

### ✦ Future approach to building, sharing and maintaining a Common Operational Picture requires:

- Common technology
- Or Compatible technology

### ✦ Where common technology not possible, compatibility achieved through:

- Adoption of data exchange standards (eg industry standards for mapping layers) for specific types of data
- Adoption of agreed schemas for packages of data (eg Tactical Situational Object proposed by OASIS project)

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