

Pilot Project EU FloodCommand

Jeremy Azis

MD, VectorCommand Ltd (Beneficiary)

Rod Stafford

Chair of Project Board



RÄDDNINGSVÄRKET
Swedish Rescue Services Agency



Format

- Project Aims & Objectives
- Project Partners
- Key Project Actions
- Key Deliverables
- Legacy



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



EU FloodCommand
FloodCommand

Project Aims

- Contribute to developing the capacity for, speed and effectiveness of European Maritime SAR assistance in the initial stages of major coastal inundation flood disasters
- Capable of assisting in civil protection interventions under the framework of the Mechanism.
- Designed as a multinational project, with maximum participation and dissemination throughout the Union
- Avoid duplication by taking into account the results of wider European programmes including both actions and research.



RÄDDNINGSG
VERKET

Maritime and Coastguard Agency Swedish Rescue Services Agency



Project Objectives (1)

- Identify existing Maritime SAR resources within Member States.
- Identify and explore existing frameworks, protocols and procedures for the coordination of Maritime SAR resources.
- Raise awareness of the risk of coastal inundation.
- Raise awareness of the utility of Maritime SAR resources in response to major coastal inundation emergencies.
- Identify a technical solution to Maritime SAR resource coordination.
- Create and validate a resource database of existing SAR resources.
- Strengthen working relationships between partners.



RÄDDNINGSS
VERKET
Maritime and Coastguard Agency Swedish Rescue Services Agency



Project Objectives (2)

- Identify and train the potential User Group of a technical solution.
- Raise awareness within all Member States of Maritime SAR Module.
- Encourage subscription to FloodCommand System from non partner Member States.
- Disseminate wider learning from project actions.
- Consolidate adoption of System in partners through engagement of Competent Authorities.
- Effective and efficient programme management.
- Appropriate financial management of EC funding to ensure value for money.



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



Project Partners

- Maritime & Coastguard Agency
 - UK Lead
- Irish Coast Guard
 - Ireland
- Swedish Fire & Rescue Service
 - Sweden
- VectorCommand Ltd
 - Beneficiary, Technical & Administration



RÄDDNINGSVÄRKET
Swedish Rescue Services Agency



Maritime & Coastguard Agency



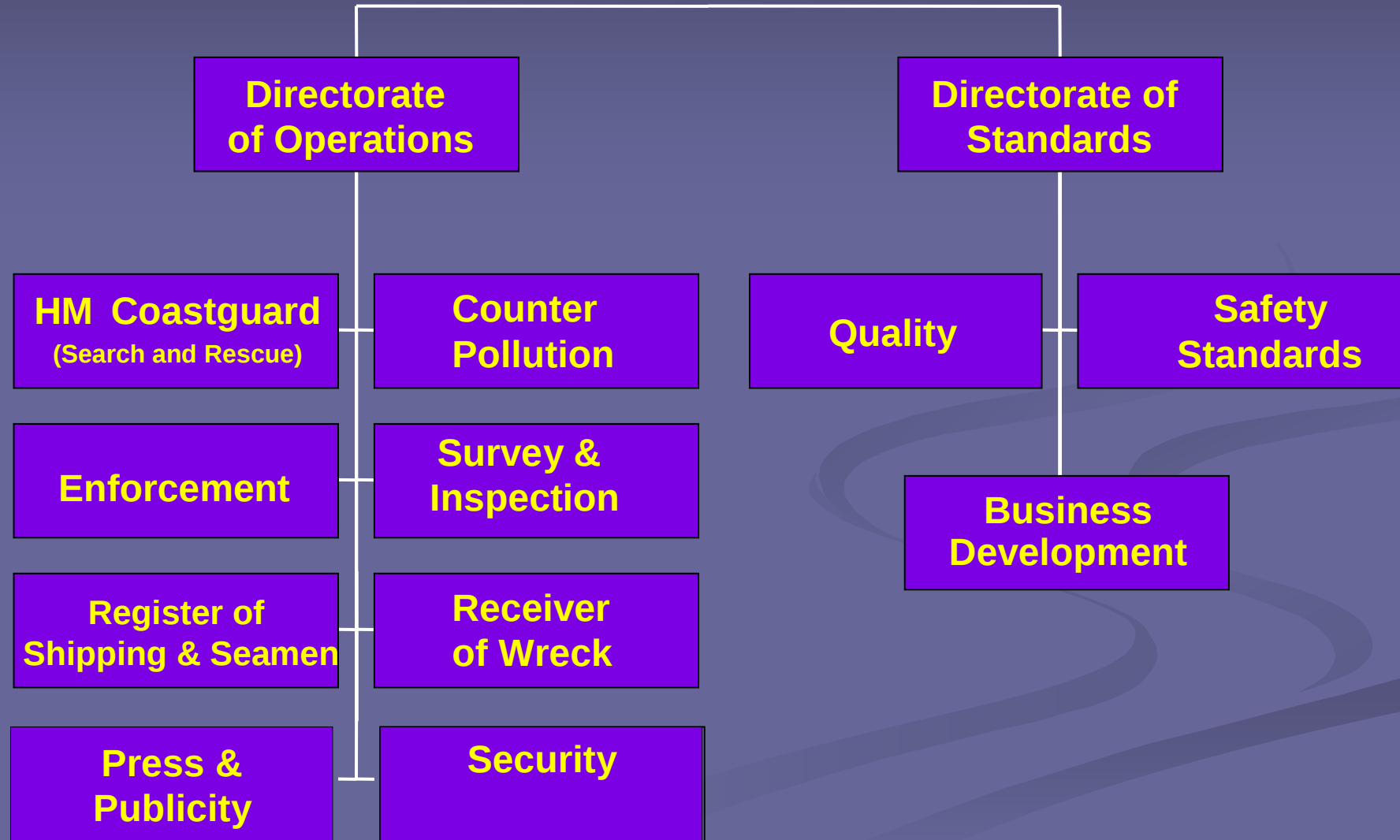
RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



MCA is responsible for:

- minimising loss of life amongst seafarers & coastal users
- responding to maritime emergencies 24hrs a day
- developing, promoting & enforcing high standards of marine safety
- minimising the risk of pollution of the marine environment

MCA Directorate Structure



safer lives, safer ships, cleaner seas

HM Coastguard

Search and Rescue

- 19 Maritime Rescue Co-ordination Centres, staffed 24/7, ICCS, paired ops
- 140 Remote Radio Sites for VHF, VHF DF, VHF digital, MF and MF digital communications
- Use of 4 Geo-stationary Satellites and 6 Polar Orbiting Satellites for Global Distress Alerting purposes
- Complete AIS coverage of the UK with 51 aerials

12 SAR Helicopter bases



RN (2 Bases)

RAF (6 Bases)

HM Coastguard (4 Bases)

safer lives, safer ships, cleaner seas

401 Auxiliary Coastguard Rescue Teams





**232 Lifeboat
Stations**



safer sh

Irish Coast Guard



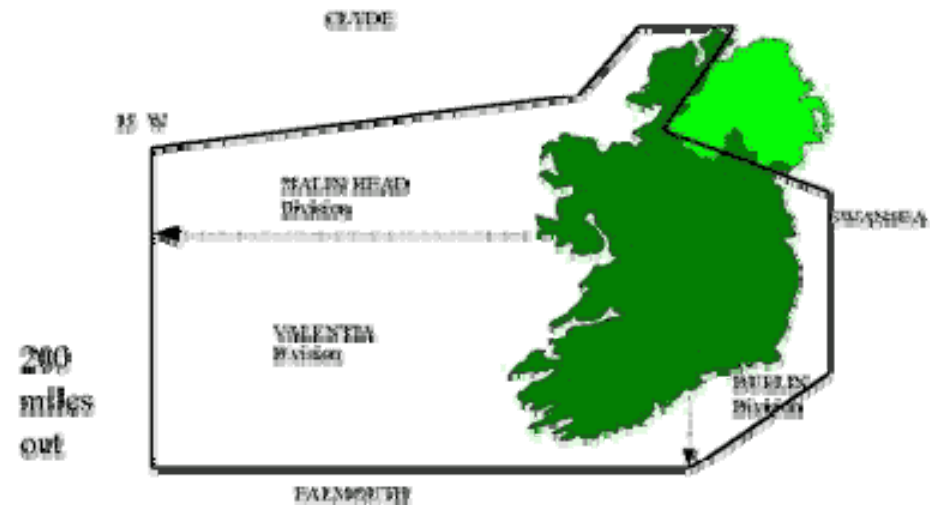
RÄDDNINGSSVERKET
Swedish Rescue Services Agency



Responsibilities

- The Irish Coast Guard are responsible for the response to and management of marine emergencies, Search and Rescue, Pollution and Salvage, Safety Awareness and Communications Network in Ireland and its territorial waters.

IRELAND SAR REGION



RÄDDNINGSVÄRKET
Swedish Rescue Services Agency



FloodCommand
FloodCommand

Assets

- 3 x 24/7 Rescue Coordination Centres,
- 4 x 24/7 SAR helicopters,
- 55 x Coast Guard volunteer units at coastal locations in addition to declared resources which include RNLI Lifeboats and Community Rescue Boats.



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



EU FloodCommand
Floodcrowngud

Swedish Rescue Services Agency



RÄDDNINGS
VERKET

Swedish Rescue Services Agency



Our organisation

- Karlstad
- Revinge
- Rosersberg
- Sandö
- Skövde
- Solna
- Karlskoga
- Björred
- Ljung
- Malmby



RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



EU FloodCommand
Floodcrowd

Our organisation

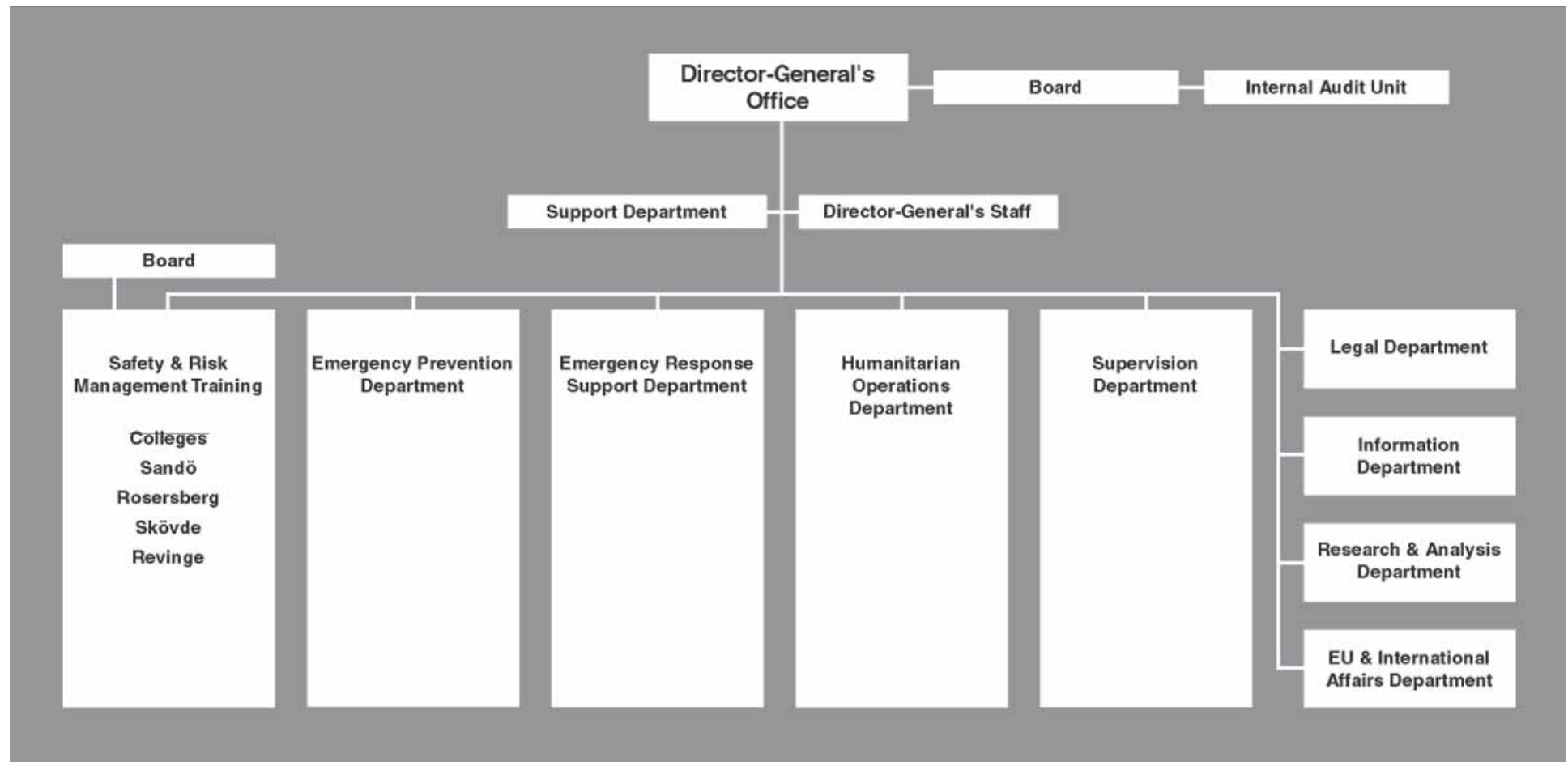
- Part of the Ministry of Defence
- Annual turnover of almost 1.3 billion kronor
- Approx. 780 employees
- Received environmental certification in 2001 in accordance with ISO 14001



RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



Our organisation



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



EU FloodCommand
EU FloodCommand

For a safer society

Our areas of work



Participation in societal emergency management

- Hazardous substances
- Protection, rescue and care
- Support for Fire & Rescue Service
- Training



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



Conveying knowledge

Other work



- Research & Statistics.
- Communication.
- Supervision Work.
- Humanitarian Aid.
- Cooperation.



RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



VectorCommand Ltd



RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



Customers of Emergency Command System



EU FloodCommand

Product Range

The Emergency Command System software family has 3 main product lines and a number of subsets :

1. Command Support Systems (ECS - CSS)
 - Personal Accountability & Location (ECS - PAL)
 - Command Support Extranet (ECS - CSSXNET)
2. Training and Exercise Tool (ECS - TET)
 - Scenario creation service
3. Tactical Command Trainer (Fire) (ECS - TCT)
 - Team Training (ECS - TCT TT)



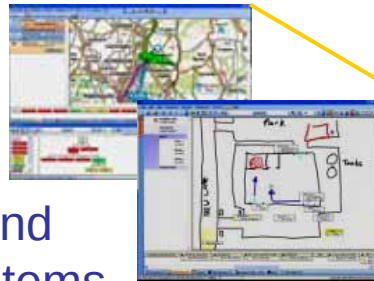
RÄDDNINGSSVERKET
Swedish Rescue Services Agency



FloodCommand
FloodCommand

Command Support System (ECS-CSS)

All data loaded into Command Support Systems automatically

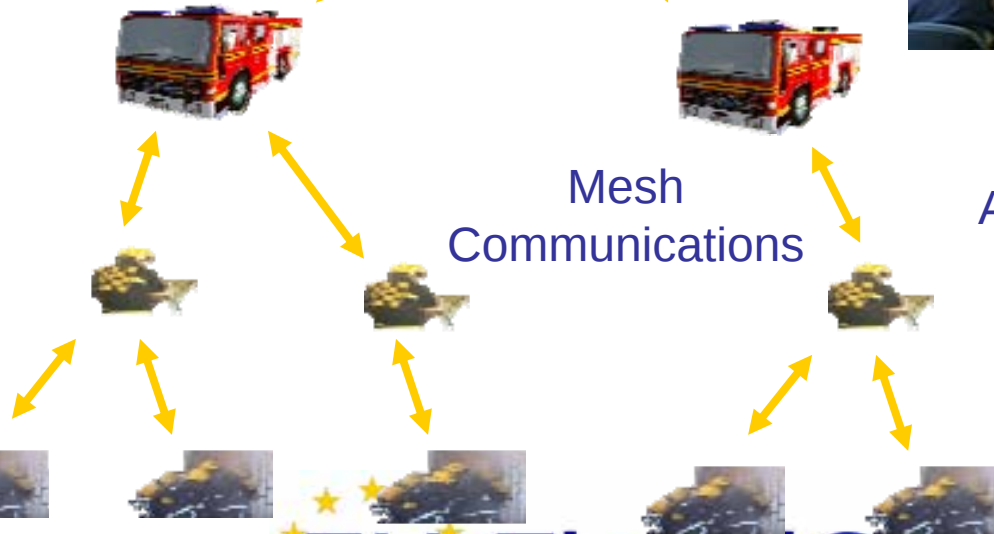


138 Seats Sold
With 7 Customers
In 1 Country



Mesh
Communications

All assets tracked
by PAL's GPS
System



Training And Exercise Tool (ECS - TET)



16 Simulators Sold
With 16 Customers
In 4 Countries



Tactical Command Trainer (ECS - TCT)

74 Simulators Sold
With 50 Customers
In 8 Countries



Development History

Past

Tactical
FireFighting

Operational
Capability

Present

Strategic Fire

Industrial

Public Health

EOC
Capability

Floods

Strategic Police

Aviation

PALS

Local
Government

State
Government

Cyclone

Future

Tactical Police

Civil Unrest

Transport

Utilities

Full Operational Capability

Business Continuity

Earthquakes

Tactical Medical

Partnerships

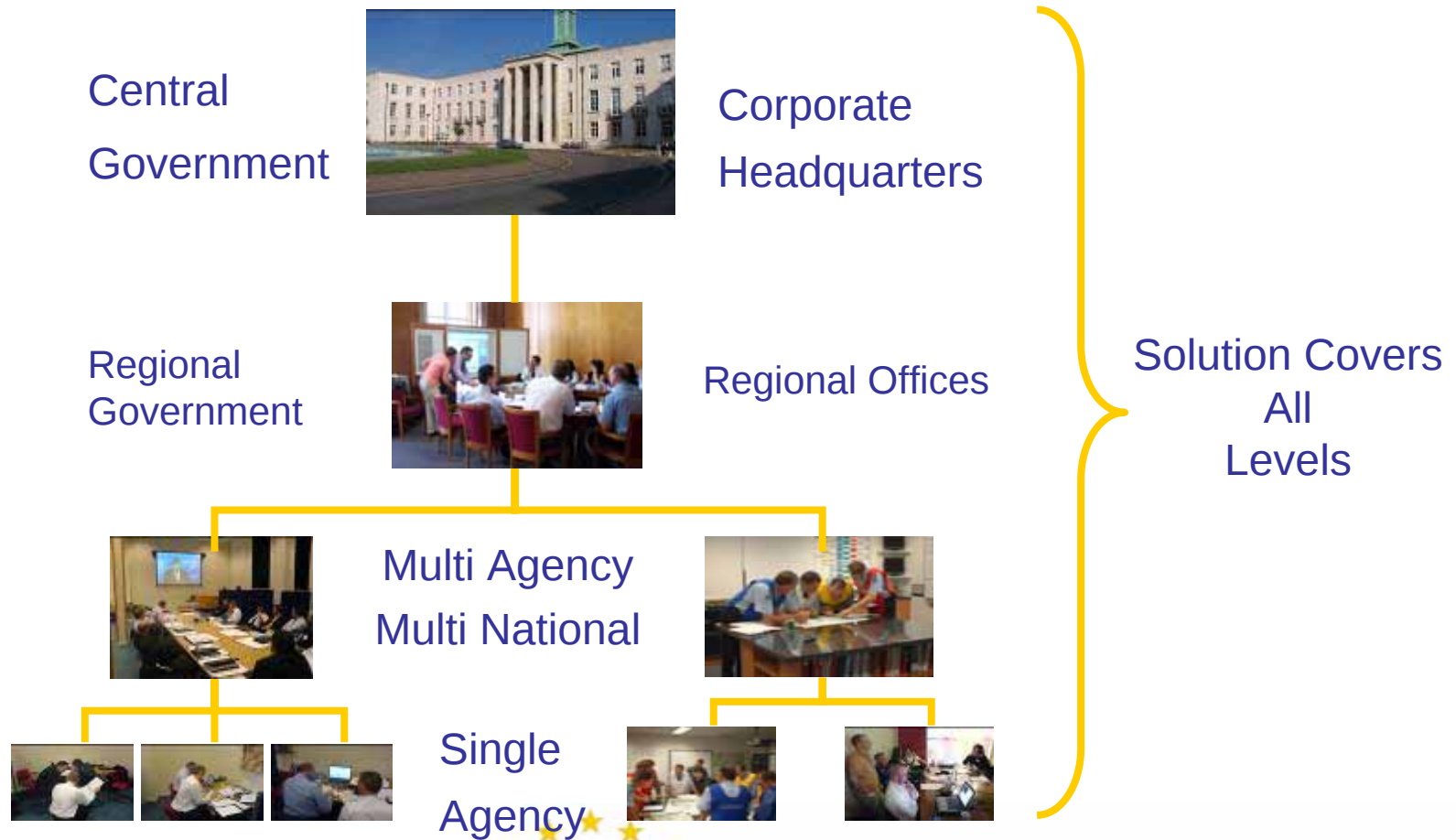
Petrochemical

Hurricane

Military



Market By Level



Market Segmentation:

Single Agency



Multi-Agency



Whole of Govt



Project Actions

- Initial Conference & Workshop – May 2007
- Development of Prototype FloodCommand System – February 2007 to August 2007
- Exercise to trial prototype system – August 2007
- Development of Full Version FloodCommand System – August 2007 to February 2008
- Exercise to test Release Version of FloodCommand System – February 2008
- Dissemination Conference – May 2008



RÄDDNINGSGRUPPEN
Swedish Rescue Services Agency



Key Deliverables

- Initial Conference & Workshop Report
- FloodCommand System
- Automated Exercise Management System
- ‘Train the Trainer’ and ‘User Training’ Packages
- Dissemination Conference Report



RÄDDNINGSSVERKET
Swedish Rescue Services Agency



Legacy

- FloodCommand System in place in Partner nations, expandable to all member States
- Partner nations able to run future exercises for FloodCommand system user nations
- Embryonic Maritime Search & Rescue Response Module



RÄDDNINGSGRUPPEN
VERKET
Swedish Rescue Services Agency



Questions



RÄDDNINGSS
VERKET
Swedish Rescue Services Agency



FloodCommand
FloodCommand