

Advantages of the Integrated System for Civil Protection

The systems of systems approach ensures:

- **Integrated response** for all phases of the Crisis Management Process (*Prevention, Preparedness, Response, Recovery*)
- High effectiveness in **asset management & co-ordination**
- The best efficacy in **emergency planning**
- Effective and “pervasive” public warning (*Alert*) and “indoctrination” (*Prevention*)

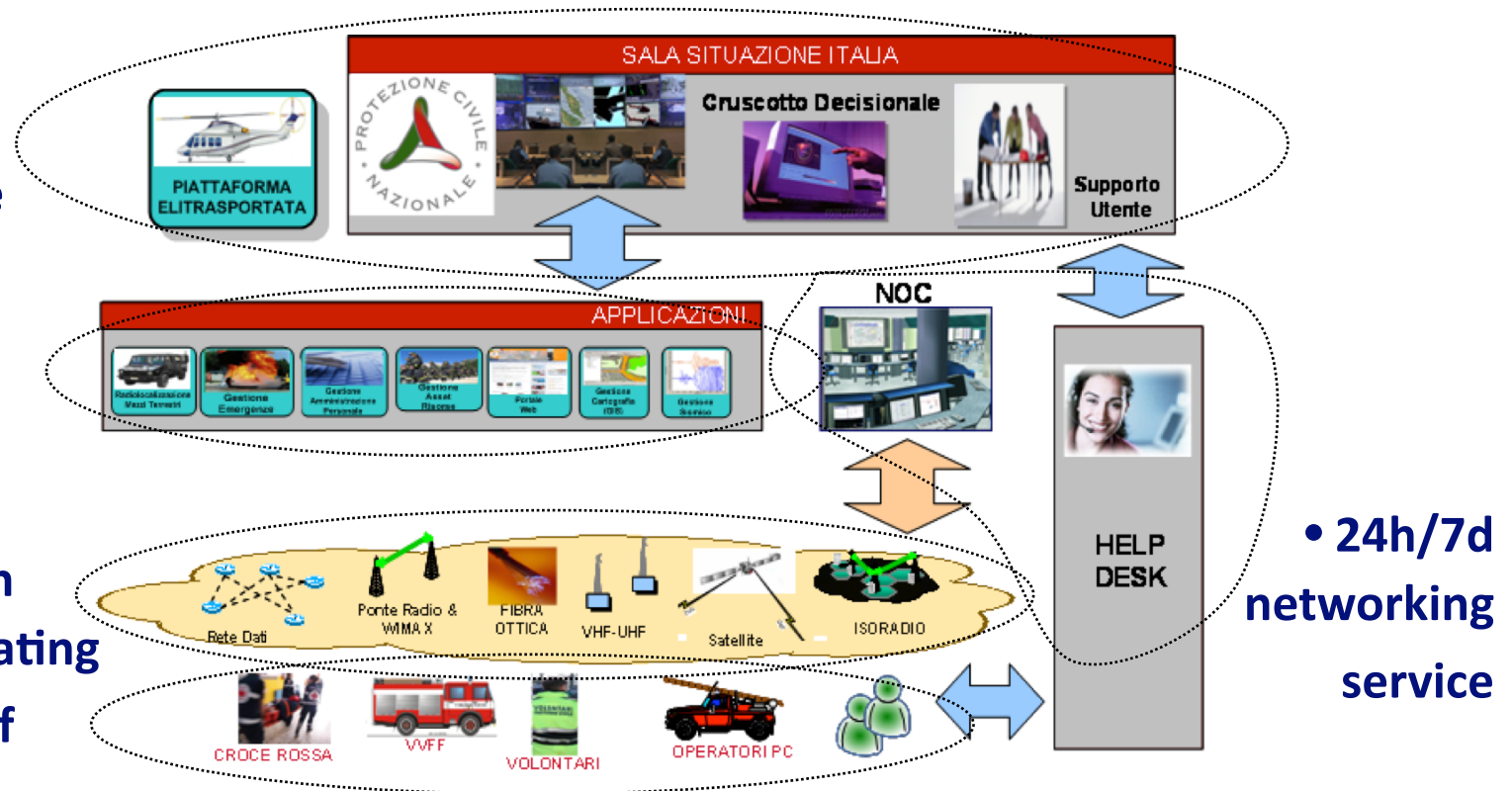


The Italian Civil Protection System: Architectural Framework

- Reliable and exhaustive common operational picture + decision-making cockpit in the National Operational Centre (fixed site and mobile, helicopter based facility)

- Fast and secure access to databases and applications

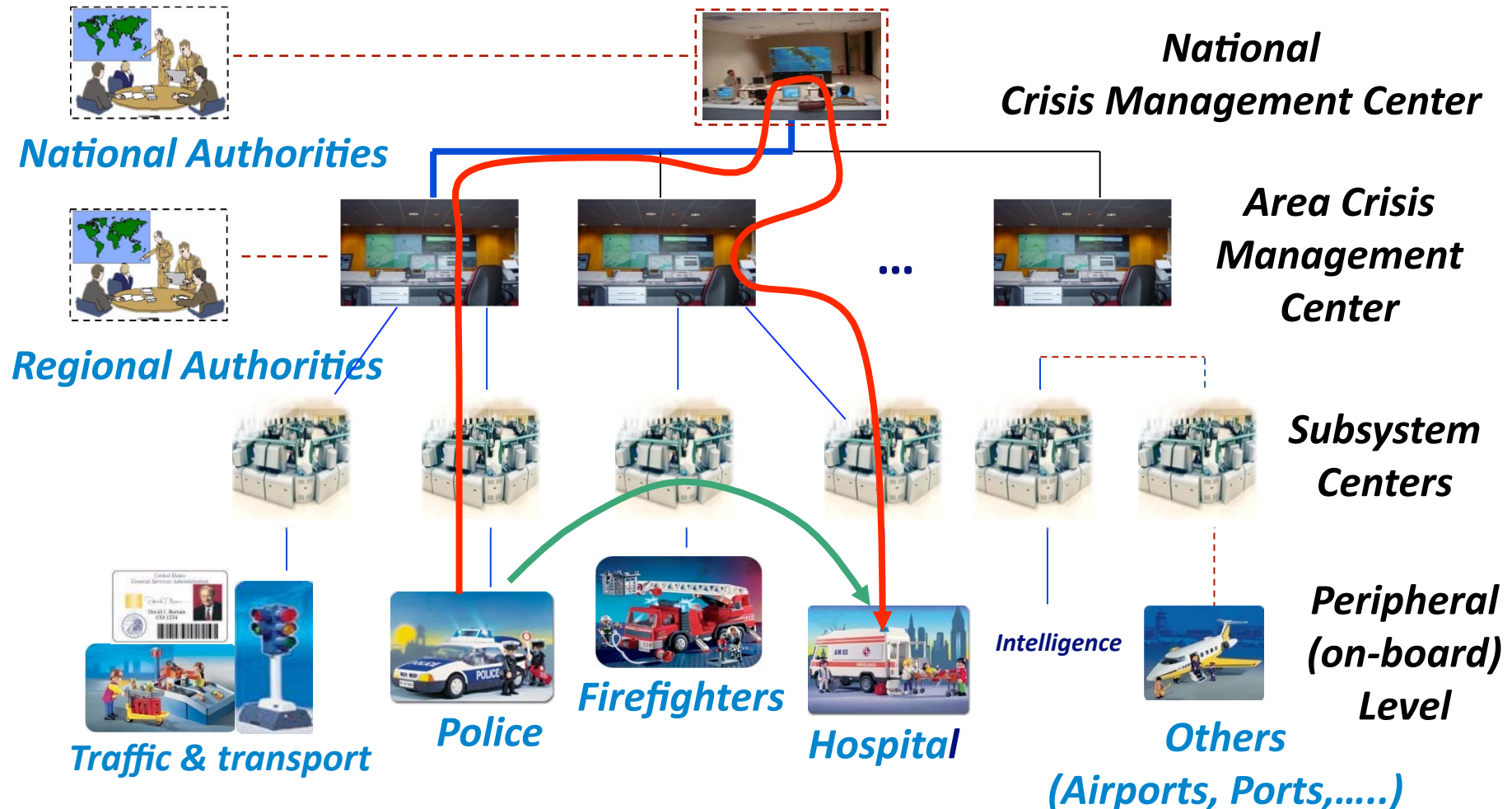
- Communication backbone integrating different types of networks



- Localize, monitor, identify and manage all deployed resources

Integrated system for NDM - Pilot Project proposed by Selex-SI# 1.1

Network Centric, Service Oriented Architecture



→ **Longest path implies higher risk of human and economic losses**

→ **Networked components, exchanging controlled services, saving Lives, time and money**

1.1 Pilot Project #1.1: System Architecture Study

- Objective: Architecture Design for an Integrated Natural Disasters Management System
- Expected output: design of a Network centric, service oriented, reference system architecture, enabling the integration of legacy and new sensors, information sources, C2 component systems, units and personnel, allowing:
 - **integrated response** for all phases of the ND Management Process (*Prevention, Preparedness, Response, Recovery*)
 - improved **efficacy in emergency** planning
 - high **effectiveness in asset management** and co-ordination
- Potential Participants: Selex Sistemi Integrati (Lead - IT); NEC (JP); Telecom Italia (IT)
- Duration: 24 months
- Resources: 12 professionals (IT) + 12 professionals (JP)
- Project Work Breakdown Structure: Status and Requirements analysis, Systems Architecture and Applications, Interoperability and Networking, Demonstrator and Roadmap definition
- Other details: Team organised in WORKING GROUPS (mixed IT-JP)

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Architecture Study for NDM System

Project phases

