

Unified Command System in Disaster Management



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Goals & Objectives



- ❧ The needs for a well established unified command system for disaster management.
- ❧ Incident Command System (ICS) functionality.
- ❧ National Incident Management System (NIMS) functionality.
- ❧ Training, education, credentialing and certification in disaster management.

Incident Management Shortcomings

- ❧ Lack of accountability.
- ❧ Unclear chains of command and supervision.
- ❧ Communication: codes and terminology.
- ❧ Lack of an orderly and systematic planning process.
- ❧ Lack of a predefined integrated inter-agency process.

Unified Command System in Disaster Management

- ∞ A systemic approach through mechanism to achieve a set of goals and objectives in situations where two or more political or functional entities have authorities and /or assets.



Unified Command

- ❧ **Incident Commander** : single commander
- ❧ **Unified Command** : two or more commander – shared authority mainly for large incident with multi-agency involvement



Unified Command



- ❧ Individuals sharing the authority normally held by a single incident commander.
- ❧ Used when multiple agencies or multiple jurisdictions are involved.
- ❧ A Unified Command acts as a single entity.

Unified Command

- ❧ **Joint Operations Center (JOC)** : operates 24/7/365, with multiple agencies.
- ❧ **Joint Information Center (JIC)** : interface location between the media and the PIO.



Federal Emergency Management Agency (FEMA)

- ✧ Established in 1979
- ✧ Mitigate, prepare, respond & recover from all types of disaster events



The Incident Command System - (ICS)

- ∞ (ICS): is a standardized approach to the command, control, and coordination of emergency response providing a common hierarchy within which responders from multiple agencies can be effective.

ICS

- ❧ ICS includes procedures to select and form temporary management hierarchies to control funds, personnel, facilities, equipment, and communications.



Comprehensive Resource Management

- Resource management and tracking includes :-
- Categorizing resources.
- Ordering resources.
- Dispatching resources.
- Tracking resources.
- Recovering resources.



ICS

Management by Objective

❧ **Incident Action Plans (IAPs) :**

- ❧ Working at same goals.
- ❧ Set operational period.
- ❧ Incident supervisory personnel.

Communication Integration

- ⌘ Integrated voice and data communications system, including equipment, systems, and protocols.



Command Transfer

∞ The process of a transfer of command briefing.



ICS in emergency and non-emergency event management

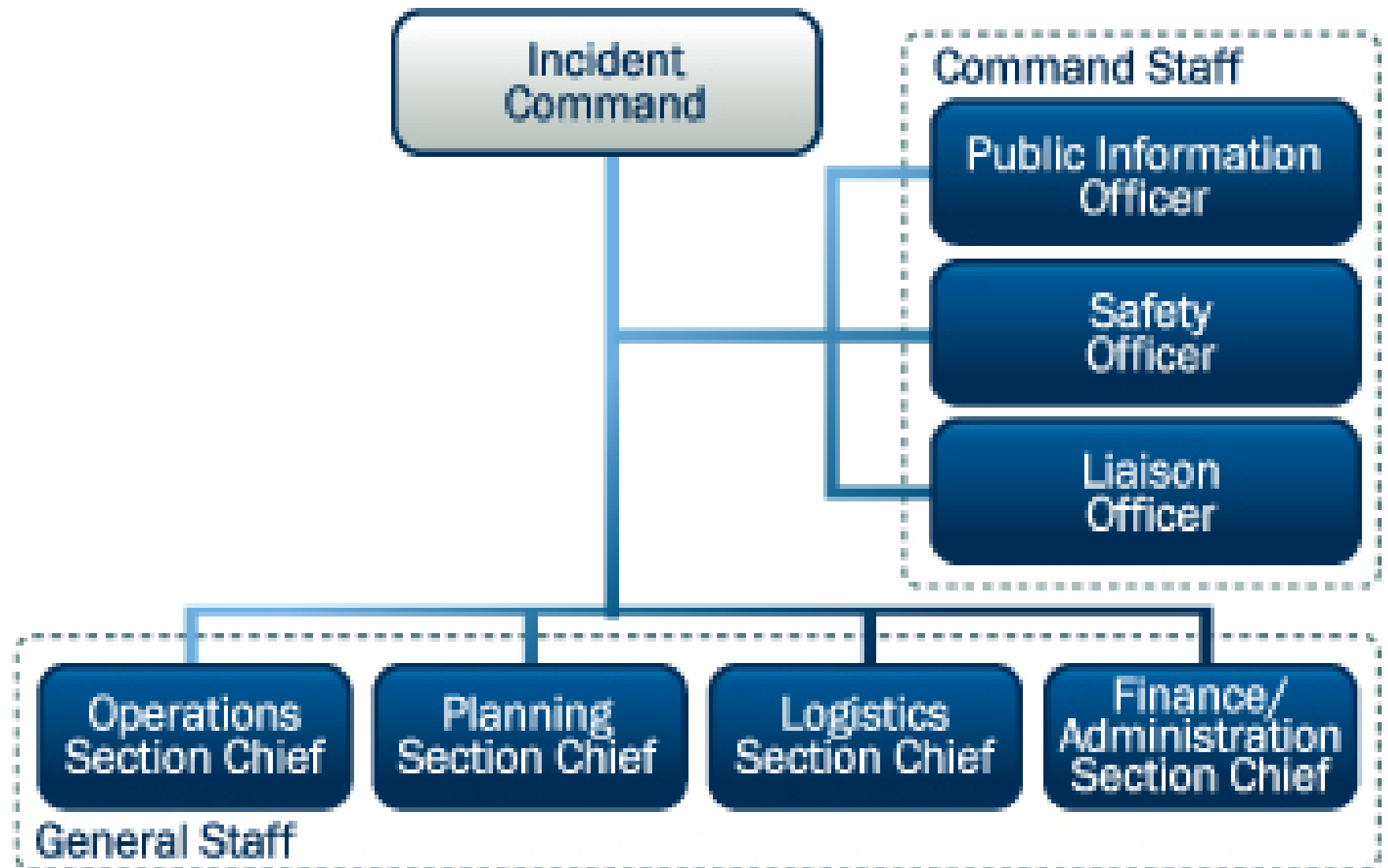
- ❧ Concerts
- ❧ Parades
- ❧ Ceremonies
- ❧ Fairs and other gatherings
- ❧ Training exercises



Incident Command System (ICS)

- ❧ ICS: **standardized approach to command, control & coordination of emergency response.**
- ❧ Effective hierarchy for responders from multiple agencies.
- ❧ Developed to address the issues of inter-agency responses to the wildfires in the state of California 1970s.
- ❧ Integrated into NIMS for All-Hazard situations.

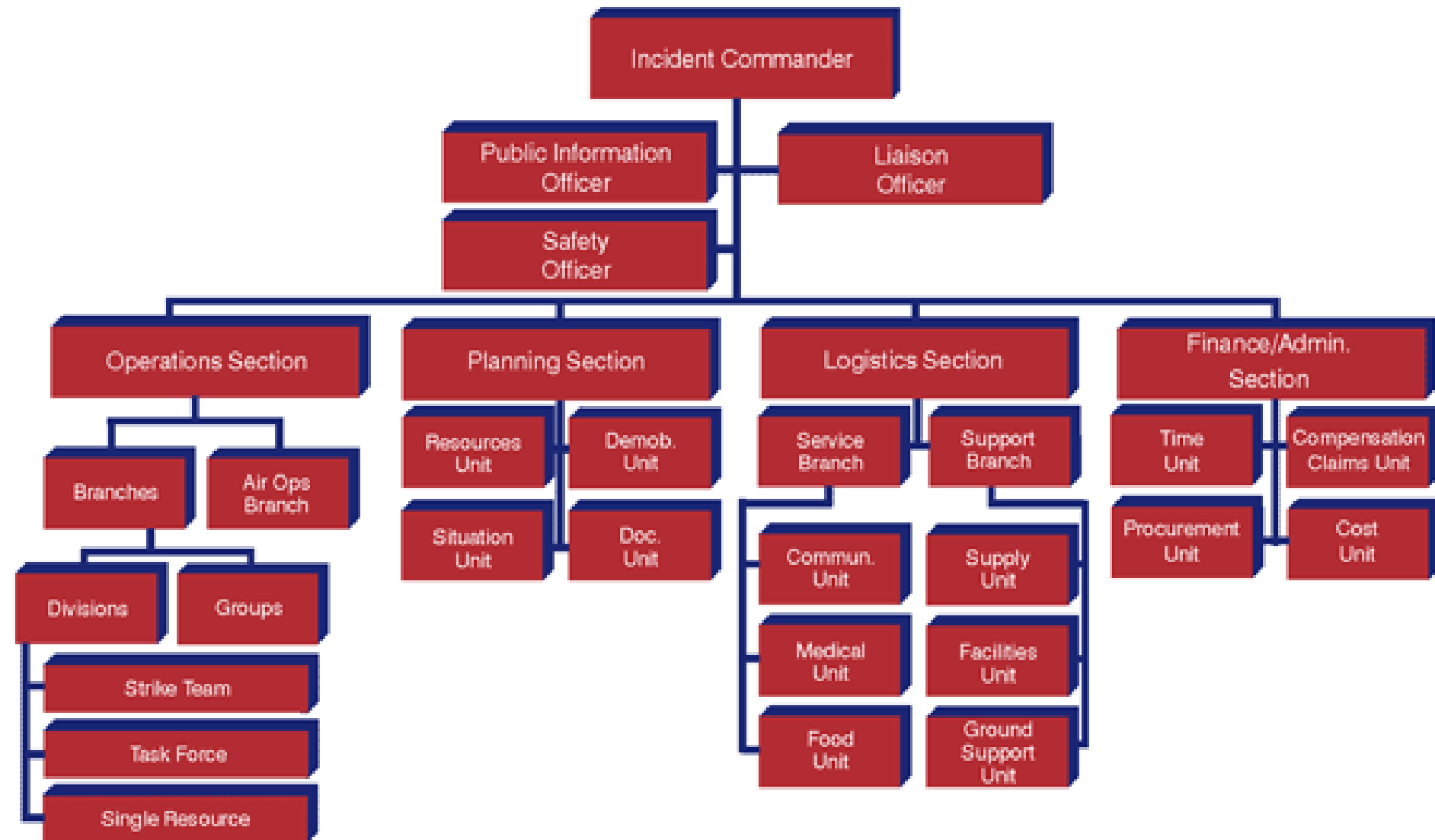
ICS



ICS Framework

- ❧ Incident Commander
- ❧ Sections (Chief)
- ❧ Branch (Director)
- ❧ Division (Supervisor)
- ❧ Group (Supervisor)
- ❧ Unit, Team, Force (leader)
- ❧ Individual Resources

ICS Flexibility & Scalability



ICS

- ❧ **Incident Command Post (ICP)** : incident commander operates.
- ❧ **Staging area**: near the incident – assignment of responses & resources.
- ❧ **Base**: primary logistics & administrative function.
- ❧ **Camps**: temporary site near the incident for the response staff.
- ❧ **Helibase**: (long term) / **Helispot** (temporary).
- ❧ **Joint Operation Center (JOC)**: multi-agency.
- ❧ Command Transfer.



ICS



- ❧ Managed by Objective.
- ❧ Flexible & Modular Organization.
- ❧ **Span of Control:** managing individual between 3-7.
- ❧ **Unity of Command:** report to one leader.
- ❧ Incident Action Plan (IAP).

Incident Management



National Incident Management System (NIMS)

- ❧ NIMS: is a standardized approach to incident management developed by the Department of Homeland Security (DHS) in the U.S in 2004.
- ❧ Facilitate coordination between all responders.
- ❧ National Integration Center (NIC).
- ❧ Federal Emergency Management Agency (FEMA).

NIMS



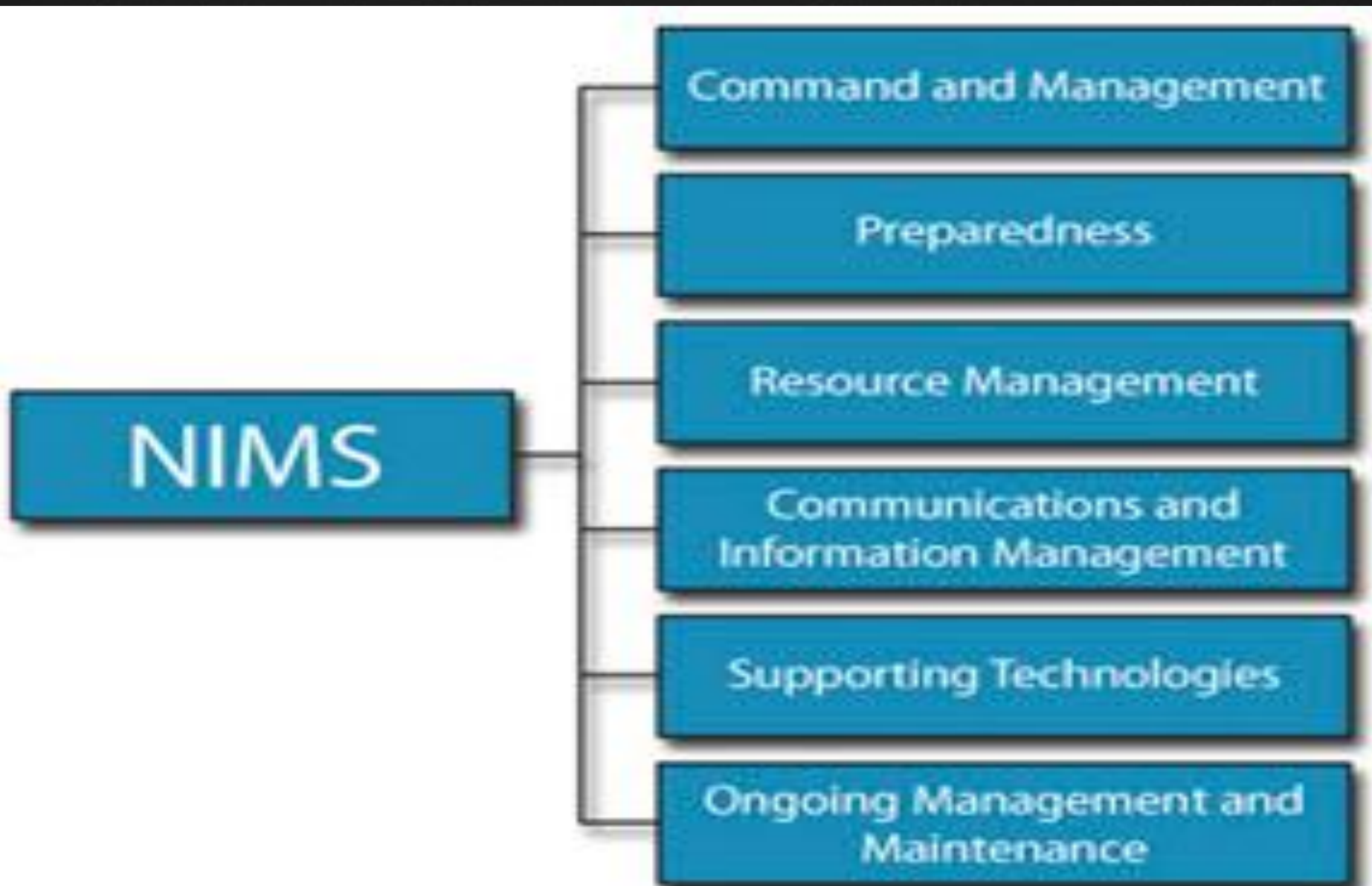
- ❧ Comprehensive, nationwide systematic approach to incident management.
- ❧ Enhances organizational response & interoperability.
- ❧ Universally applicable, scalable & flexible frame work.
- ❧ All – Hazards preparedness & response.
- ❧ Effective emergency management.

NIMS



- ❧ Training & Education.
- ❧ Resource management & Mutual Aid.
- ❧ Implementation Guidance & Reporting.
- ❧ NIMS Alerts & Contacts.
- ❧ Incident Command System Resources.
- ❧ Federal, state, tribal, local government, private & NGOs.

NIMS



NIMS

NIMS: What it is and What its not

NIMS Is...

- Comprehensive, nationwide, systematic approach to incident management
- Set of preparedness concepts and principles for all hazards
- Essential principles for a common operating picture and interoperability of communications and information management
- Standardized resource management procedures for coordination among different jurisdictions/ organizations
- Scalable and applicable for all incidents

NIMS Is Not...

- A response plan
- A communication plan
- Something that is used only during large incidents
- Only applicable to certain emergency responders
- Only the Incident Command System or an organizational chart
- A static system

NIMS



NIMS

ICS/NIMS Training Pyramid

ICS 400
Area Command Functions
Multiagency Coordination
Leadership

ICS 400
Command and General Staff
EOC Managers

ICS 400
Area Command Functions
Multiagency Coordination
Leadership

ICS 400
Command and General Staff
EOC Managers

ICS 400

ICS 300
Tactical Level Management

ICS 300

IS 800

IS 800
Division/Group Supervisors
Branch Directors
Strike Team/Task Force Leaders
EOC Staff

ICS 200
Crew Supervision
Initial Management

ICS 200

ICS 200
Unit Leaders
Single Resource Leaders

ICS 100
Basic Awareness

ICS 100

IS 700

IS 700
Responders

Training, Education, Certification & Credentialing

- ❧ International fellowship programs in disaster medical Sciences.
- ❧ International accredited courses in disaster medicine.
- ❧ EMDM : European Master in Disaster Medicine.
- ❧ European Medical Corp (recent).



Questions?

In Summary

- ❧ Unified Command System for Disaster Management is an important system to have in place to improve the outcome measure, cost containment, risk reduction and consumer satisfaction.
- ❧ ICS: flexible structure to manage an incident
- ❧ NIMS: National Framework.
- ❧ Training, education, credentialing and certification are one of the main pillars to manage disaster events effectively & efficiently.

