

Emergency Preparedness Overview for Water System Executives and Managers

MOTHER GOOSE & GRIMM



Jeffrey Bensch, P.E.
Sierra West Consultants, Inc.



Objectives

- **Provide an overview and comparison of the:**
 - **Standardized Emergency Management System (SEMS)**
 - **National Incident Management System (NIMS)**
 - **Incident Command System (ICS)**
 - **Emergency Operations Center (EOC)**
- **Identify Key Roles and responsibilities of Elected Officials and Senior Management**
- **Describe the key concepts and principles**
- **Understand the benefits**

SEMS-ICS-NIMS Integration

- **Standardized Emergency Management System (SEMS)**
 - California's System
 - 1991 East Bay (Oakland) Fire
- **National Incident Management System (NIMS)**
 - National System based on SEMS
 - 9/11 2001
- **Incident Command System (ICS) and is a component of SEMS and NIMS**

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Standardized Emergency Management System (SEMS)



SEMS

Why SEMS?

- 1991 East Bay Hills fire in Oakland
- SB 1841, Petris Bill
- State law CA Govt. Code 8607 (1993)
- Amends CA Emergency Services Act
- *CalEMA is administrative agency*
- *SEMS is a way to manage emergencies*

SEMS — Developed to improve the coordination of state and local emergency response in CA

SEMS Requirements

- **Use of ICS in field operations**
- **Use of Multi / Inter-Agency Coordination**
- **Use of the 5 SEMS functions**
- **Personnel must have designated positions, with supervision, and safely carry out their assignment**



State Law Says...

***STATE AGENCIES
MUST USE SEMS!***



***LOCAL GOVERNMENTS
ARE STRONGLY ENCOURAGED
TO USE SEMS.....***



**... To be eligible for State
funding of RESPONSE
RELATED PERSONNEL COSTS!**

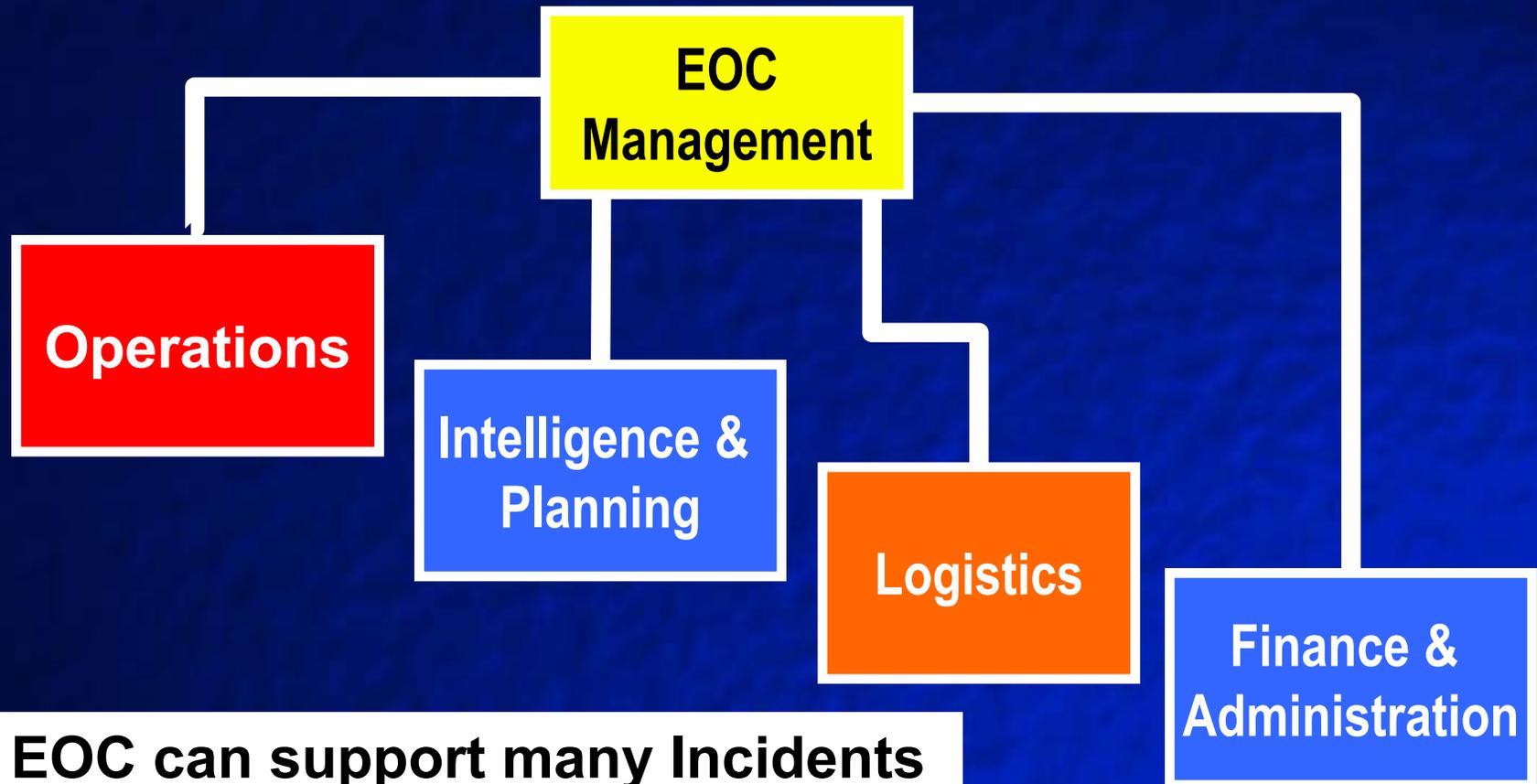
SEMS

SEMS Organizational Levels

- ***Field Level:*** ICS at the scene
- ***Local Government:*** City EOC
- ***Operational Area:*** County EOC
- ***Regional Level:*** Regional EOC
- ***State Level:*** State EOC

Emergency Operations Center (EOC)

EOC Organizational Structure



- **EOC can support many Incidents**
- **The EOC has the big picture!!**

Coordination Between SEMS Levels



Field – City EOC - Op Area – Region - State

Information Flow

Request / Track Resources

All disasters begin & end at the local level - Field and EOC



Field Response Level

- **Must use ICS**
- **Tactical on-scene response**
- **Establishes and maintains ICPs (Incident Command Posts)**
- **Provides for Unified Command or Area Command**
- **Requests support from the EOC**



Local Government Level (EOC)

Cities, counties & special districts:

- Manage and coordinate the overall emergency response and recovery activities
- Implements local emergency plans & SOPs
- Supports field level activity
- Requests support from Op Area



EOC Management

- **Develops policy for the District during crisis**
- **Directs the EOC activity**
- **Overall coordination and support of staff**



SEMS



EOC Management Staffing

- Consider skills that presently exist in your organization
- Place personnel according to their skills into each function
- Have backup personnel for Continuity in Governing



EOC Staffing



Executive and Elected Officials Roles & Responsibilities

- **Provide policy guidance on priorities and objectives based on situational needs and the Emergency Response Plan.**
- **Resource coordination and support to the on-scene command from the Emergency Operations Center (EOC) or through dispatch.**



Executives/Senior Officials Delegate Command Authority

- **Executives/Senior Officials delegate authority to the designated Incident Commander for on-scene operations.**
- **The Incident Commander has direct tactical and operational responsibility for conducting incident management activities.**



Delegation of Authority

- **Delegation of authority may be in writing (established in advance) or verbal, and include:**
 - **Legal authorities and restrictions.**
 - **Financial authorities and restrictions.**
 - **Reporting requirements.**
 - **Demographic issues.**
 - **Political implications.**
 - **Agency or jurisdictional priorities.**
 - **Plan for public information management.**
 - **Process for communications.**
 - **Plan for ongoing incident evaluation.**



**Delegation
of
Authority**

Summary: Management Roles

Incident Commander's / EOC Director's Role

The Incident Commander:

- **Manages the incident at the scene.**
- **Keeps the EOC informed on all important matters pertaining to the incident.**

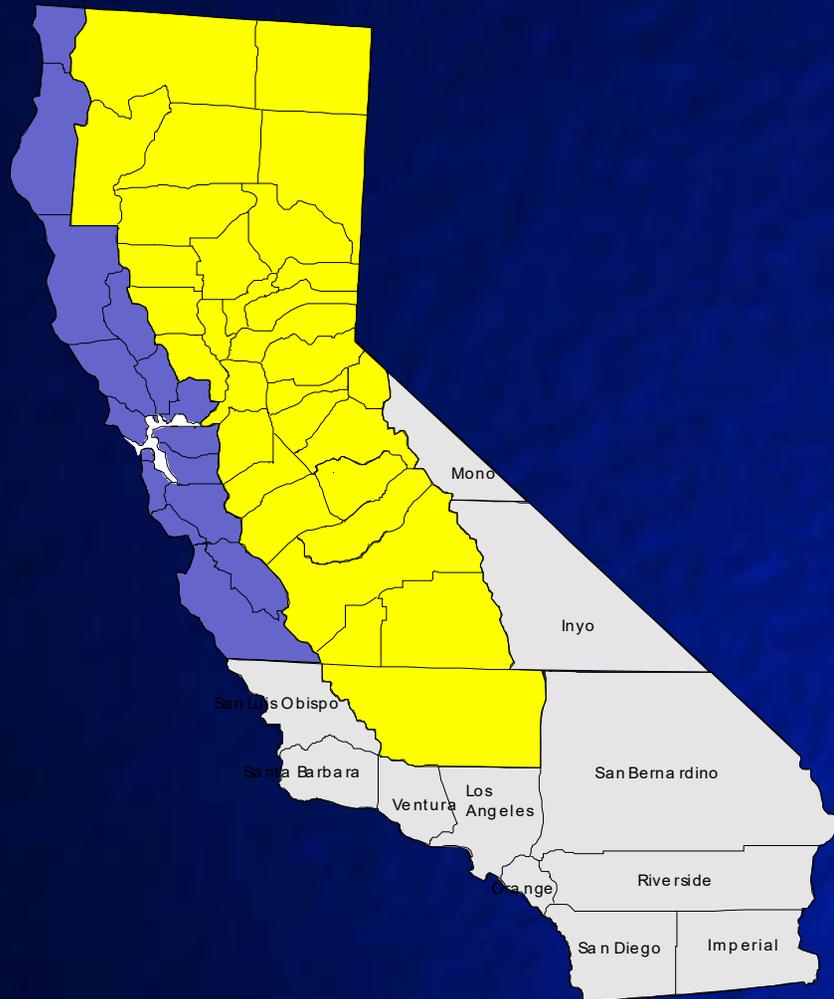
Agency Executives' /Senior Officials' Role

These officials provide the following to the Incident Commander / EOC Director:

- **Policy**
- **Mission**
- **Strategic direction**
- **Authority**

To maintain unity of command and safety of responders, the chain of command must NOT be bypassed.

State Level (OES)



- **Coordinates resources between regions**
- ***Federal response coordination***
- **Communicates with governor and legislature**
- **Implements media policy**

Master Mutual Aid Agreements

- **Mutual aid systems form key links when local resources are inadequate**
- ***Voluntary & reciprocal agreements among public agencies provide:***
 - ***Services***
 - ***Resources***
 - ***Facilities***



Mutual Assistance Agreements

- **Need local specific**
- **Water Agency Response Network (WARN)**
- **MOU with California Utility Emergency Association (CUEA)**



Interstate Agreements

- **Interstate Civil Defense Compact**
- **Emergency Management Assistance Compact (EMAC)**



Mutual Aid agreements and EMACs help to facilitate the timely delivery of assistance during incidents.

Resources Available to Your Agency



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National Incident Management System (NIMS)



NIMS

Why NIMS?

- **NIMS came from SEMS (California)**
- **September 11, 2001**
- **Required by Homeland Security Presidential Directive (HSPD) #5 and HSPD #8**
- **NIMS adoption and training by Sept. 30, 2006 for local governments**
- **Other requirements at a later date**
- ***NIMS is applicable at all jurisdictional levels***

NIMS — A comprehensive, national approach to incident management developed to improve the coordination of federal, state and local emergency response nationwide

Lessons Learned

Lessons learned show the need for:

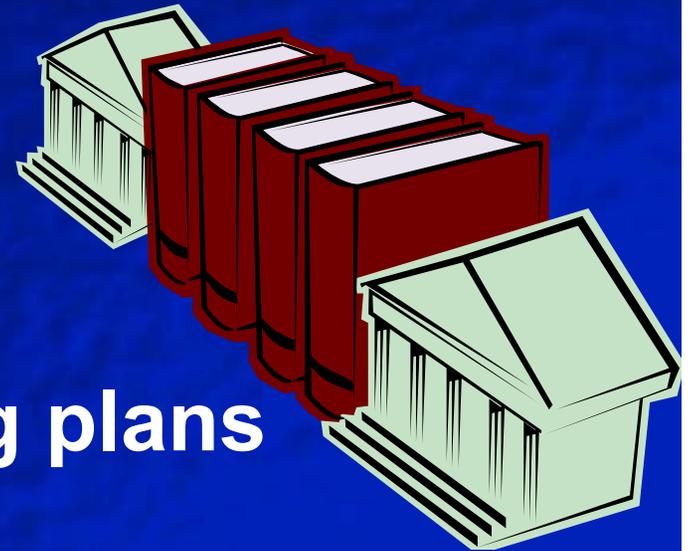
- **Coordination and cooperation among all responding agencies**
- **Standardization of organization, resources and terminology**
- **Interoperability and compatibility**



The White House, Homeland Security and FEMA on the scene.

Federal Directive Says

- **Federal agencies must use NIMS**
- **State, local and tribal governments must comply with NIMS to receive federal (grant) funding**
- **Adopt NIMS by resolution**
- **Train District staff**
- **Integrate NIMS into existing plans**



National Response Framework (NRF)

- **Establishes a comprehensive, national, all-hazards approach to domestic incident response**
- **Presents an overview of key response principles, roles, and structures that guide the national response**
- **Includes the Core Document, Annexes, and Partner Guides**

NIMS Components

NIMS incorporates standard emergency management practices and processes, such as:

- **Command & Management**
- **Preparedness**
- **Resource Management**
- **Communications & Information Management**
- **Supporting Technologies**
- **Ongoing Management & Maintenance**

NIMS Standardized Organizational Structure

- Incident Command System (ICS)
- Multi-agency Coordination
- Public Information Systems



NIMS Standards

Processes, procedures and systems for:

- **Training**
- **Resource Management**
- **Personnel Qualification and Certification**
- **Technology Support**
- **Communications & Information Management**
- **Continuous system improvement to ensure consistency among all responders**

NIMS: What It Is/What It's Not

NIMS is:

- **A flexible framework of:**
 - Doctrine
 - Concepts
 - Principles
 - Terminology
 - Organizational Processes
- **Applicable to all emergencies and jurisdictions**

NIMS is not:

- **An organizational incident management plan**
- **A resource allocation plan**
- **A terrorism/WMD specific plan**
- **Designed to address international events**

NIMS & Institutionalizing ICS

Government officials must:

- **Adapt ICS through resolution/ordinance as the agency's official incident response system**
- **Direct that incident managers and responders train, exercise and use ICS**

Ensure that:

- ***ICS is integrated into functional and system-wide emergency operations policies, plans and procedures***
- ***ICS training is conducted for responders, supervisors and command-level officers***
- ***ICS-oriented exercises are conducted that involve responders from multiple disciplines and jurisdictions***

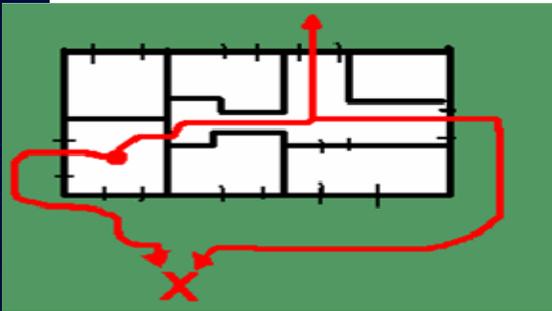
NIMS Integration Center (NIC)

- **Overall implementation of NIMS**
- **NIMS review and refinement**
- ***National-level preparedness standards***
- ***Training requirements/approved courses***
- ***Approve equipment lists meeting national standards***

Preparedness (1)



Preparedness is a key phase of the emergency management cycle. Through preparedness, jurisdictions take actions to prevent, mitigate, respond to and recover from emergencies.



NIMS



Preparedness (2)

- **Actions to establish and sustain levels of capability**
- **NIMS focuses on guidelines; protocols; standards for planning, training, qualifications, and certification; and publication management**
- **California has been using most NIMS elements for years.**
- **Requires a unified approach – all sections of a district working together**

Responsibilities of Preparedness Organizations

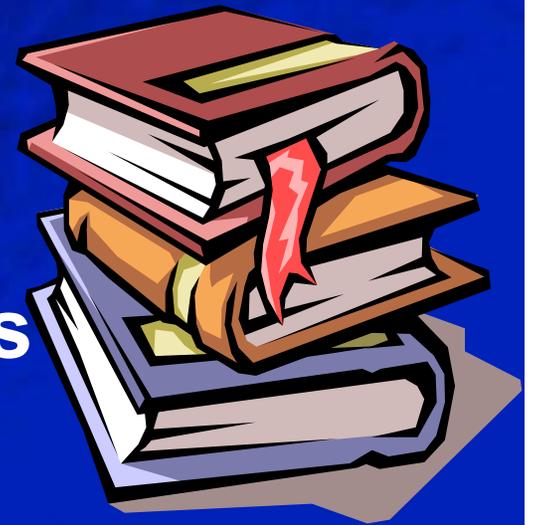
Variety of committees, planning groups and other organizations that establishes, coordinates and integrates:

- **Plans & protocols**
- **Activities & programs**
- **Interoperability guidelines & protocols**
- **Multi-agency coordination systems**
- ***Guidelines, protocols & priorities for resource management***

Preparedness Planning

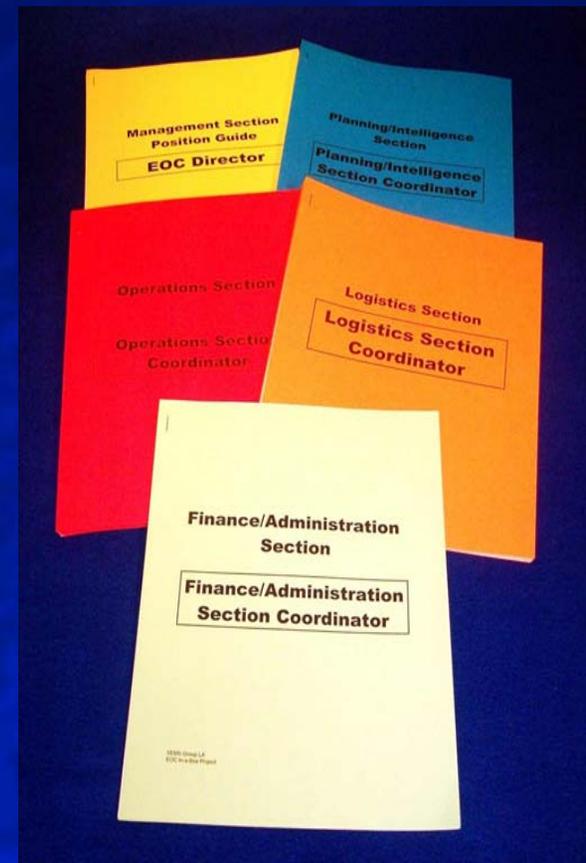
Local emergency plans describe:

- How resources will be used
- How priorities are set
- The integration of entities & functions
- Establishment of responder relationships
- How systems support incident management activities



Types of Plans

- **Emergency Response Plan**
- **Mutual Aid Agreements/Plans**
- **Procedures (SOPs)**
- **Emergency Preparedness**
 - **Training**
- **Recovery**
- **Debriefing Plans/
Corrective Action Plans**
 - **Lessons learned from incidents**
- **Hazard Mitigation Plans**



Training & Exercises

- **Facilitate use of:**
 - National standards, guidelines & personnel protection
 - Modeling & simulation
- **Define general training requirements**
- **Establish approved courses**
- **Review / approve discipline specific courses**



Personnel & Equipment Qualifications & Certifications

- **Development of national certification and credentialing standards including:**
 - **Training**
 - **Experience**
 - **Currency requirements (how often)**
 - **Physical and medical fitness**
- **Equipment certifications: national equipment standards, guidelines and protocols**

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Incident Command System (ICS)



ICS

Why ICS?

- **Fall 1970 California statewide fires**
- ***FIRESCOPE was organized (federal, state and local fire services) and developed ICS***
- ***ICS always used in the field***
- ***ICS is a proven system***
- ***ICS is based on “best” or successful business practices to ensure:***
 - **Safety of first responders and others**
 - **Achievement of tactical objectives**
 - **Efficient use of resources**

ICS provides the mechanics for coordinated and collaborative incident management

ICS Purposes

Using management best practices, ICS helps to ensure:

- ***The safety of responders and others***
- **The achievement of tactical objectives**
- **The efficient use of resources**
- **Cost effectiveness (avoiding duplication of efforts)**

How ICS is Used

- **To manage all types of incidents**
 - Fires, hazmat, earthquakes, acts of terrorism and multi-casualty incidents
 - *Parades, celebrations and concerts (a viable application for ICS)*
 - Private sector emergency programs
- **Works well for:**
 - Small, large and complex incidents
 - Single or multiple agency or jurisdiction incidents
 - Wide-area search and rescue



ICS Features (1)

- **Common Terminology & Clear Text**
- **Modular Organization**
- **Management by Objectives**
- **Reliance on an Incident Action Plan**
- **Manageable Span of Control**
- **Pre-designated Incident Locations and Facilities**
- **Resource Management**

ICS Features (2)

- **Integrated Communications**
- **Chain of Command & Unity of Command**
- **Unified Command**
- **Transfer of Command**
- **Accountability**
- **Mobilization / Demobilization**
- **Information and Intelligence Management**

Common Responsibilities (1)

Mobilization:

- **Be dispatched from your agency**
 - **Do NOT “Self Dispatch” to an incident**
- **Receive a deployment briefing**
- **Bring any specialized supplies or equipment you need to do your job or are requested to bring**

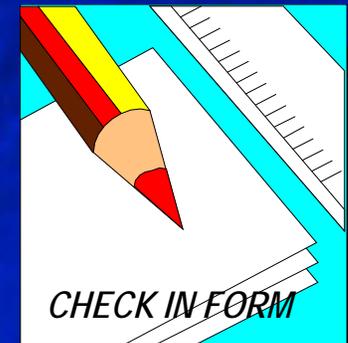


Common Responsibilities (2)

At the Incident:

- ***Check-in***

- Follow check-in procedures when you arrive
- *Provides accountability for all personnel*
- *Helps locate personnel in the event of an emergency*
- Provides a way to track resources
- Prepares personnel for assignments and reassignments
- Helps in organizing for demobilization



Common Responsibilities (3)

Individual Accountability:

- **Maintain orderly chain of command, unity of command and take direction from a single supervisor**
- **Communicate potential hazards and changing conditions using clear text and Plain English**
- **Act professionally and avoid or report prohibited activities such as:**
 - **Sexual harassment or discrimination**
 - **Use of illegal drugs or alcohol**

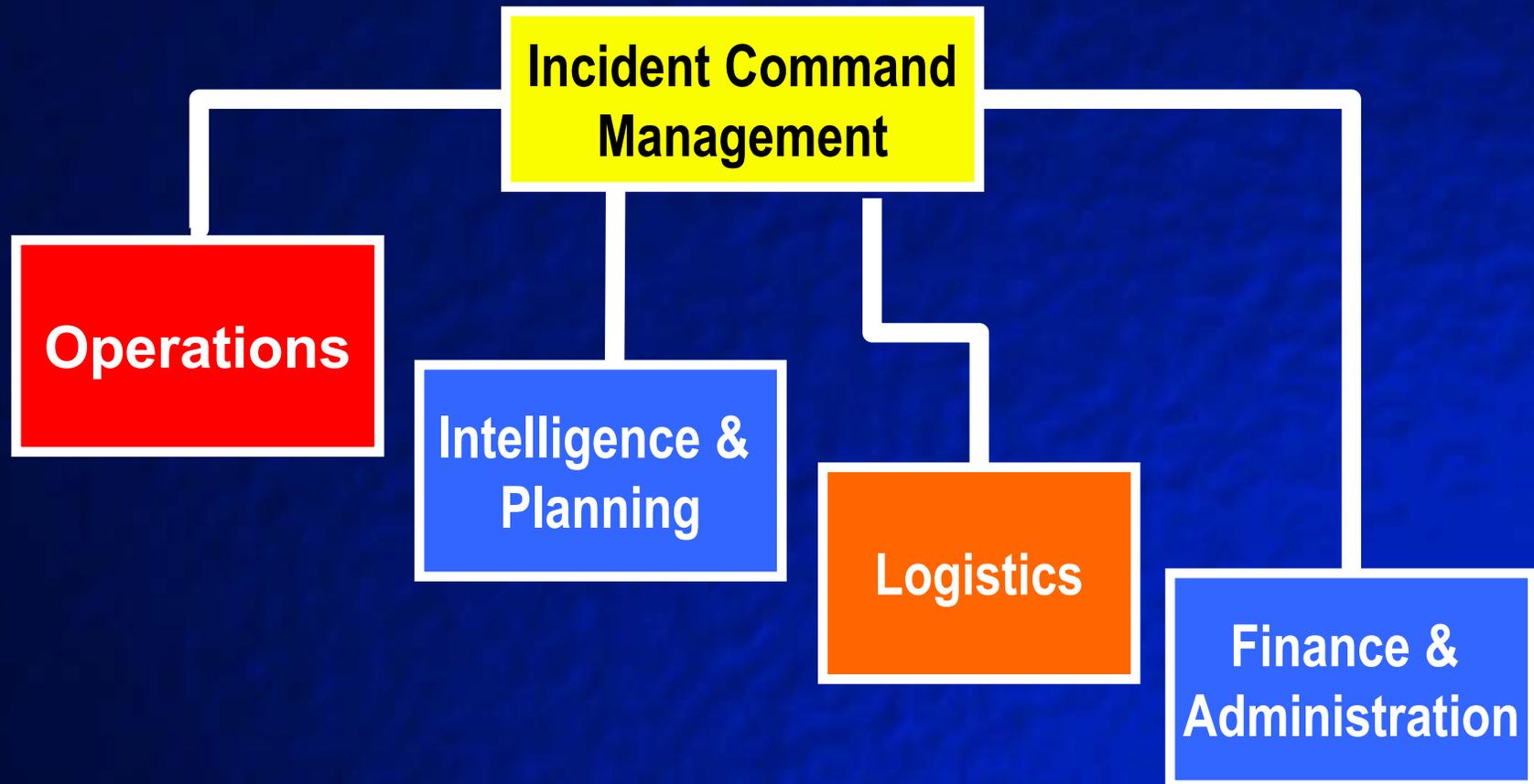
Common Terminology

- **ICS requires the use of common terminology. Common terminology helps to define:**
 - **Organizational functions.**
 - **Incident facilities.**
 - **Resource descriptions.**
 - **Position titles.**



This is Unit 1,
we have a
10-37,
Code 2.

Organizational Flexibility Modular Organization



Management by Objectives (MBO)

Objectives Identified:

- **Flexible**
- **Measurable**
- **Attainable**
- **Specific time frames**

**Communicated to the organization via the
Action Plan (field or EOC)**

Action Planning

- **At every incident & in the EOC**
- **Objective driven**
- **Establishes accountability**
- **Eliminates redundancy**
- **Led by Planning Section**



Incident Action Plan (1)

- **Verbal or written plan for each incident and each operational period and includes:**
 - *Measurable strategic / tactical objectives for operational & support activities in a specified timeframe*
 - *Actions based on objectives*
 - **Developed by the Incident / Unified Commander**
 - **Activated elements (organization)**
 - *Management By Objectives for response tactics*

Incident Action Plan (2)

- **Communication document**
- **Shared with all supervisors**
- **Flexible**
 - **Incorporate lessons learned as incident progresses**
- **Developed by Planning Section**

Basically, an Action Plan addresses:

- *WHAT needs to be done?*
- *WHO will do it?*
- *WHEN will it get done?*
- *HOW will it get done? (resources to get job done)*
- *HOW do we communicate the information?*
- *Other “NEED TO KNOW” information*

Organizational Unity, Consistent Hierarchy and Chain of Command

- **Organizational Unity**
 - *Every individual within an organization has one designated supervisor*
- **Consistent Hierarchy**
 - **Span of Control is used and there are clear lines of authority within the organization**
- **Chain of Command**
 - **All elements in each level are linked together to form a single organization within span of control limits**

Resource Management Concepts*

- **Standardized identification**
- **Classified by type & kind**
- **Allocation & tracking**
- **Credentialing system**
- **Use of private & NGO resources**



*** Under development by
SEMS**

Communications / Information Management (1)

Identifies requirements and common operating systems for:

- **Communications plans and interoperability standards**
- **Information management**
 - **Gathering, sharing and managing incident related information and intelligence within and across jurisdictions**
 - **Ensures consistency at all levels, including private sector and non-governmental entities**
 - **Formulating and disseminating indications and warning**



ICS Titles and Positions

- **Primary ICS responsibilities have distinct titles because it:**
 - **Allows for filling ICS positions with the most qualified individuals rather than by rank**
 - **Is useful when requesting qualified personnel**
 - ***Provides a common standard for all users***
- **When personnel are selected for ICS positions, the following is taken into consideration:**
 - ***Personnel background and experience***
 - ***Training***
 - ***Kind and size of emergency***
 - ***Agency policy***
 - ***Qualifications and certifications***
 - ***Disciplines involved***

Field Organizational Levels & Titles

Organizational Level

- Incident Commander
- Command Staff
- General Staff/Section
- Branch
- Unit

Title

- Incident Commander
- Officer
- Section Chief
- Director
- Leader

The term “supervisor” is only used in the Ops Section

Managing Public Information



- The **Public Information Officer**:
- Represents and advises the Incident Command.
 - Manages on-scene media and public inquiries.



- The **Joint Information Center (JIC)** is a physical location used to coordinate:
- Critical emergency information.
 - Crisis communications.
 - Public affairs functions

Speaking With One Voice



- Executives/Senior Officials must coordinate and integrate messages with on-scene Public Information Officers and other agencies.
- A **Joint Information System** (established procedures and protocols) is used to help ensure coordination of messages.

Leadership



- **Most importantly, Executives/Senior Officials provide leadership.**
- **Leadership means . . .**
 - **Motivating and supporting trained, on-scene responders so that they can accomplish difficult tasks under dangerous, stressful circumstances.**
 - **Instilling confidence in the public that the incident is being managed effectively.**

Questions?