

King Faisal Specialist Hospital & Research Center









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Disaster Management

- Advancement into the arena of Emergency Medicine – it is our game
- Essential component of your EMS system
- Essential component of Your Safety and public Health Care System

Disaster Management

- > You would rather be ready than sorry
- > The idea of the cote" It will never happen" changed to "what might happen will happen"
- > We have to be ready







Disaster Management

- Became a science by it self ICS, MIMS.....
- What we need to Know as Emergency Physician
- An Approach into successful disaster management

History

- Several recurring problems involving multi-agency responses
 - Nonstandard terminology
 - Lack of capability to expand and contract as required by the situation.
 - Nonstandard and non-integrated communications.
 - Lack of consolidated action plans.
 - Lack of designated facilities.



History

> Needs:

 A common organized structure based on a Standardized Key management principles



You Need Approach

- Understand the concept of Command
- > Identify its functions and structure.
- Identify where do you fits into the System structure.
- Define key common terms.
- Have an Action Plan
- What are the primary facilities
- > List your resources
- > Describe how and why resources are managed.
- List the steps that you should take to prepare for, participate in, and demobilize from an incident.

- >A model tool for
 - Command
 - Control
 - Coordination of a response

- > Common Goal:
 - Stabilizing the incident
 - Protecting life, property, and the environment
 - Improve efficiency and effectiveness

>Why? - Control & Coordinate

- You may not be working for your day-today supervisor
- You may be working in a different location.
- When response operations are not "business as usual."

- Ensure quick and effective resource commitment
- Minimize disruption to the normal operating policies and procedures of responding organizations

The Concept of Organization

- No single agency but Everyone must work together to:
 - Manage the emergency
 - Coordinate the effective use of all of the available resources
 - Formalized management structure
 - Lends consistency
 - Fosters efficiency
 - provides direction

The Concept of Organization

- ▶ Is built around five major components that has the capability to expand or contract to meet the needs of the incident:
 - Command
 - Planning
 - Operations
 - Logistics
 - Finance/Administration

Command Function

- The command function is directed by the Incident Commander Major responsibilities include:
 - Performing command activities, such as establishing command and establishing the ICP.
 - Protecting life and property.
 - Controlling personnel and equipment resources.

Command Function

- The command function is directed by the Incident Commander Major responsibilities include:
 - Maintaining accountability for responder and public safety, as well as for task accomplishment.
 - Establishing and maintaining an effective liaison with outside agencies and organizations, including the EOC, when it is activated.

Command Function

- > As incidents grow, the Incident Commander may delegate authority:
 - The Information Officer
 - The Safety Officer
 - The Liaison Officer

Command Structure

It should include:

- Common terminology
- A modular organization
- Integrated communications
- Unity of command

Command Structure

It should include:

- A unified command structure
- Consolidated IAPs
- A manageable span of control
- Designated incident facilities
- Comprehensive resource management

Planning

- The Planning Section's function includes:
 - The collection, evaluation, dissemination, and use of information about the development of the incident and status of resources
 - Creation of the *Incident Action Plan* (IAP)defines the response activities and resource utilization for a specified time period

Operations

- > The Operations Section is responsible for carrying out the response activities described in the IAP
- The Operations Section Chief coordinates Operations Section activities and has primary responsibility for receiving and implementing the IAP
- The Operations Section Chief reports to the Incident Commander and determines the required resources and organizational structure within the Operations Section

Operations

- > The Operations Section Chief responsibilities are:
 - Direct and coordinate all operations, ensuring the safety of Operations Section personnel.
 - Assist the Incident Commander in developing response goals and objectives for the incident.
 - Implement the IAP.
 - Request (or release) resources through the Incident Commander.
 - Keep the Incident Commander informed of situation and resource status within operations.

The Logistics

- The Logistics Section is responsible for providing facilities, services, and materials, including personnel to operate the requested equipment for the incident
- Takes on great significance in long-term or extended operations.
- Functions are geared to support the incident responders

The Finance/Administration

- the Finance/Administration Section is critical for tracking incident costs and reimbursement accounting
- Is especially important when the incident is of a magnitude that may result in a Presidential Declaration
- Unless costs and financial operations are carefully recorded and justified, reimbursement of costs is difficult, if not impossible.

Designated incident facilities

- Name critical facilities used in your operations and explain the purpose of each
- Identify which facilities may be collocated at an incident.
- Describe how the various incident facilities are managed to support incident operations.
- Identify the map symbol that is associated with each incident facility.

- > Incident Command Post:
 - The location at which the primary command functions take place.
 - The Incident Commander is located at the ICP.
 - Away, Outside, & Within View

> Base:

- The location at which primary logistics functions for an incident are coordinated and administered.
- There is only one Base per incident. (Incident name or other designator will be added to the term Base.)
- The Incident Command Post may be collocated with the Base.

- > Staging Area:
 - Staging Areas are locations set up at an incident where resources can be placed while awaiting a tactical assignment.
 - Staging Areas are managed by the Operations Section.

- > Casualty Collection Point:
 - A CCP can prove useful as an area that serves to triage, treat, and provide transportation to victims in a multicasualty incident.

> Camp:

- A camp is a geographic site, within the general incident area, separate from the Incident Base, equipped and staffed to provide food, water, and sleeping and sanitary facilities to incident personnel.
- In wild land fire application of ICS, Base activities may be performed at a Camp.

- Helibases and Helispots:
 - A helibase is a location in and around an incident area at which helicopters may be parked, maintained, fueled, and equipped for incident operations. Very complex incidents may require more than one helibase.
 - A helispot is a temporary location where helicopters can land and load and offload personnel, equipment, and supplies. Complex incidents may have several helispots.

The Emergency Operation Center

- > An EOC is where department heads, government officers and officials, and volunteer agencies gather to coordinate their response to an emergency event
- Incident Command and the EOC function together with the same goals, but function at different levels of responsibility
- The Incident Command operation is responsible for on-scene response activities, and the EOC is responsible for the entire community-wide response to the event.

Comprehensive resource management

- Maximizes resource use
- Consolidates control of single resources
- Reduces the communications load
- > Provides accountability
- > Reduces freelancing
- > Ensures personnel safety

Comprehensive resource management

- > All resources are assigned to a status condition.
 - Assigned resources are performing active functions.
 - Available resources are ready for assignment.
 - Out-of-service resources are not ready for assigned or available status.

Incident Resources

- Operational resources include all personnel and major items of equipment that are available, or potentially available, for assignment. For consistency, resources are described by:
 - Kind (e.g., patrol cars, helicopters, or a utility truck).
 - Type (i.e., performance capability).

Incident Resources

- The ability to select the right resource for each operational assignment at an incident is essential to:
 - Accomplishing the task.
 - Ensuring resource safety.
 - Ensuring the cost-effectiveness of the operation.

Incident Resources

- > Operational resources may be categorized into:
 - Single Resources, which are individual pieces of equipment or a crew of individuals, with an identified work supervisor, that can be used in an operational application.
 - Task Forces, which are combinations of single resources, organized within the limits of span of control. Task Forces may be a mix of different kinds of resources but, together, they must serve a specific function.
 - Strike Teams, which are resources of the same kind and type that must have a leader and the ability to communicate with each other and with the command structure.

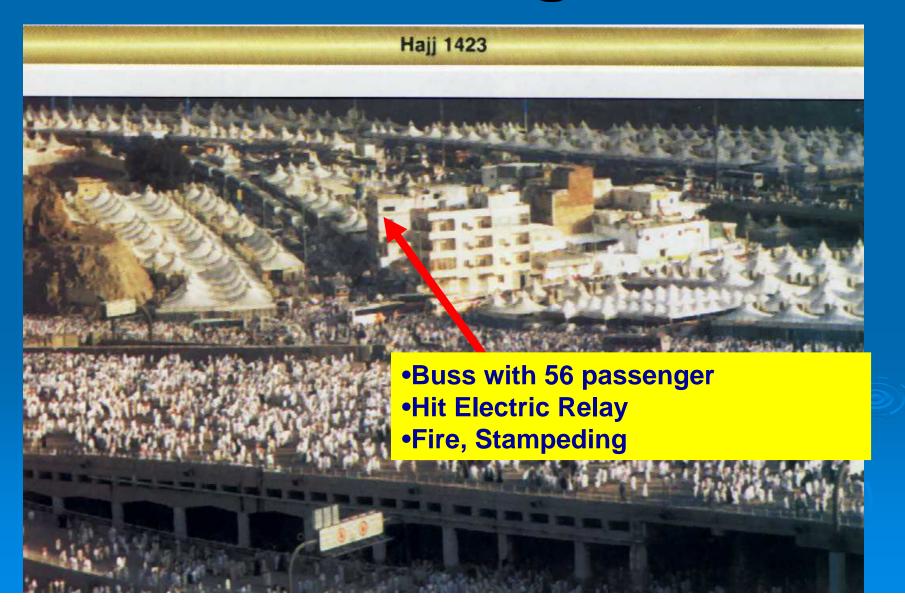
Unity of command

The concept by which each person within an organization reports to only one designated person

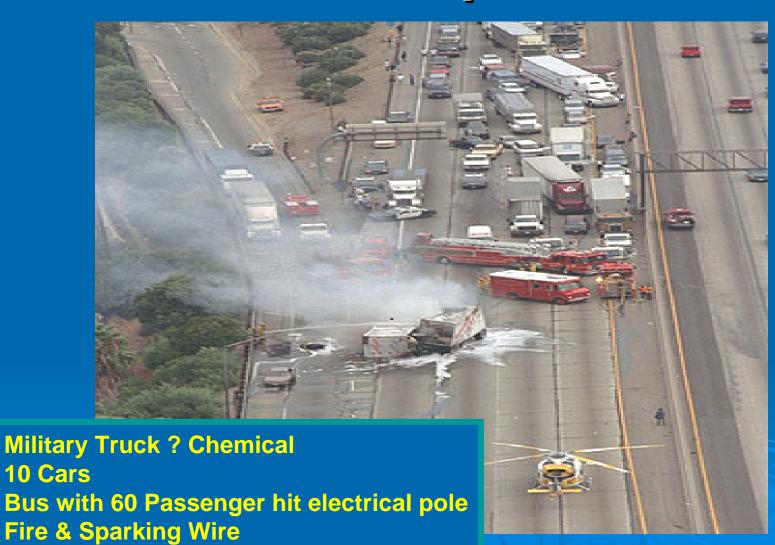
Unified command

- Allows all agencies with responsibility for the incident, either geographic or functional, to:
 - Manage an incident by establishing a common set of incident objectives and strategies
 - Does not mean losing or giving up agency authority, responsibility, or accountability

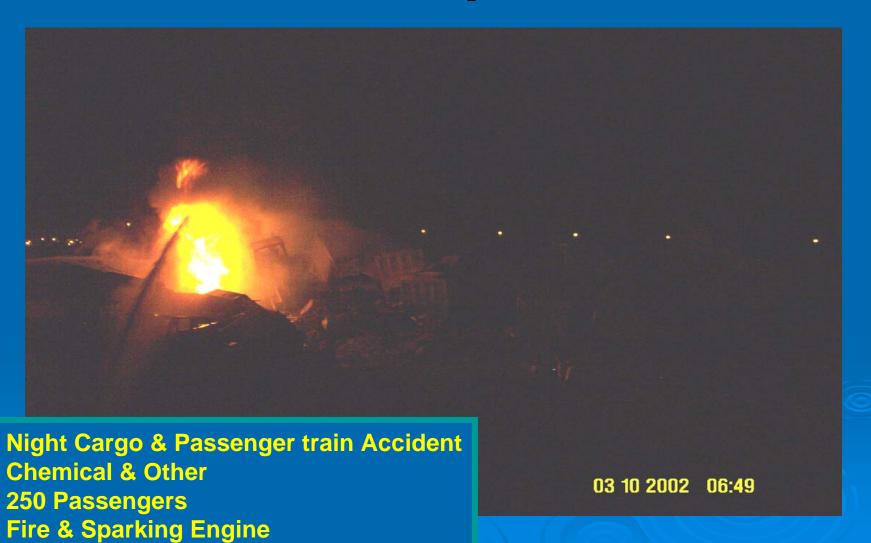
Challenge



Example



Example



- > Incident management encompasses:
 - Establishing command.
 - Ensuring responder safety.
 - Assessing incident priorities.
 - Determining operational objectives.

- > Incident management encompasses:
 - Developing and implementing the Incident Action Plan (IAP).
 - Developing an appropriate organizational structure.
 - Maintaining a manageable span of control.

- > Incident management encompasses:
 - Managing incident resources.
 - Coordinating overall emergency activities.
 - Coordinating the activities of outside agencies.
 - Authorizing the release of information to the media.
 - Keeping track of costs

- Incident management encompasses:
 - Set Your Facilities
 - Operation Area Zones
 - Base ICP, CCP (Triage, Treatment, and Transport) Morgue, Communication Center, Heli-Spot
 - Heli-base
 - Staging Area
 - Camp
 - Map

- > Incident management encompasses:
 - Set Your Communication
 - Within & Out Side

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