

# ***Hazardous Materials for First Responders 4<sup>th</sup> Edition***

## ***Chapter 5 — Incident Management***

**HAZ MAT FOR  
FIRST RESPONDERS**



International Fire Service Training Association

# DISCUSSION QUESTION

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What incident management elements should be included in predetermined guidelines or procedures on how to manage a haz mat incident?

# Learning Objective 1

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Describe incident priorities.

# There are three incident priorities for all haz mat incidents.

Life safety

Incident stabilization

Protection of property and the environment

# Variables for weighing life safety of responders versus the public.

Risk to  
rescuers

Ability of  
rescuers to  
protect  
themselves

Probability  
of rescue

Difficulty of  
rescue

Capabilities  
and  
resources of  
on-scene  
forces

Possibilities  
of explosions  
or sudden  
materials  
releases

Available  
escape  
routes and  
safe havens

Constraints  
of time and  
distance

# REVIEW QUESTION

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What are the priorities for haz mat incidents?

# Learning Objective 2

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Discuss various incident management systems.

# Incident management systems offer certain advantages.



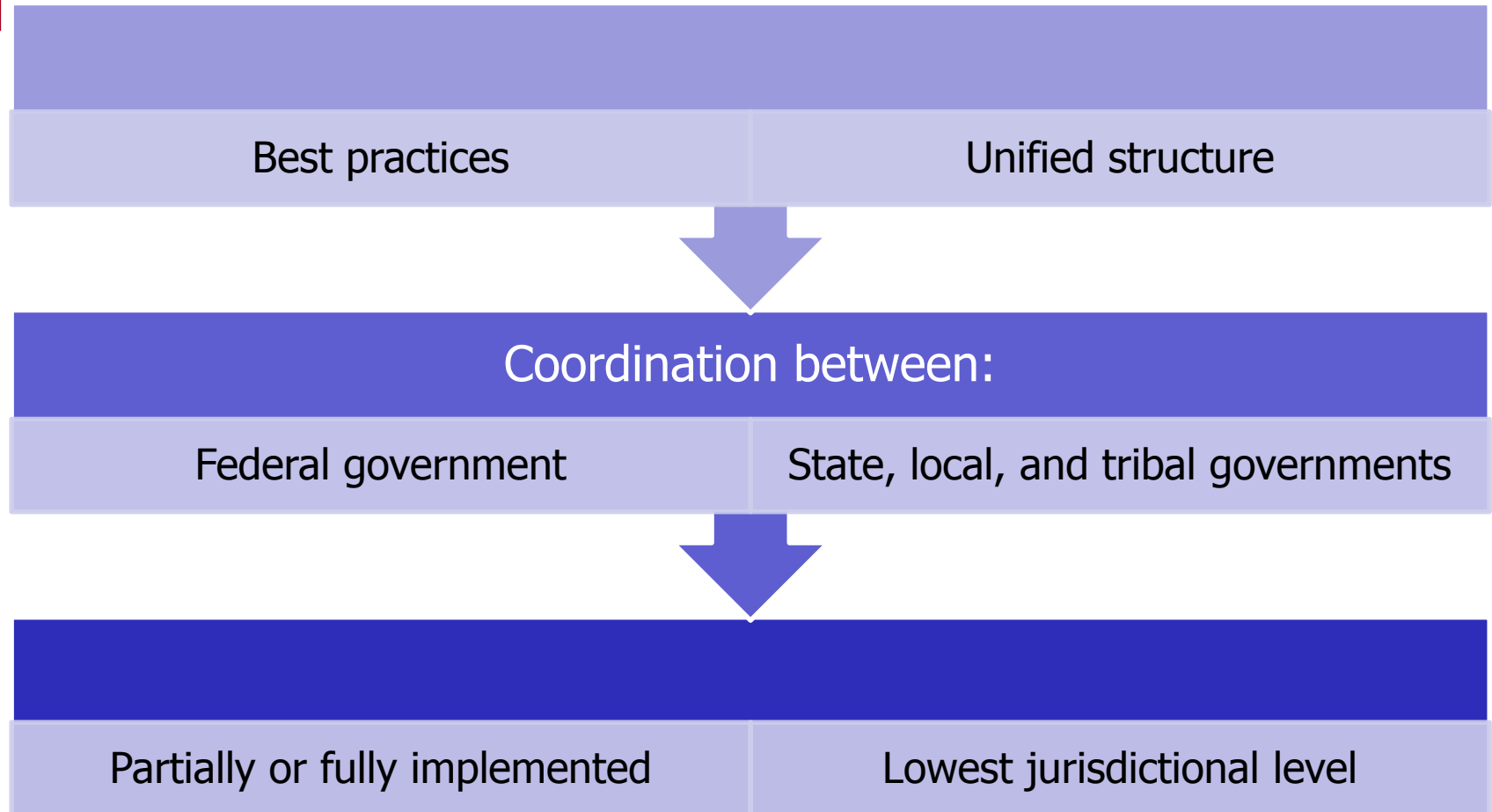


# U.S. NIMS

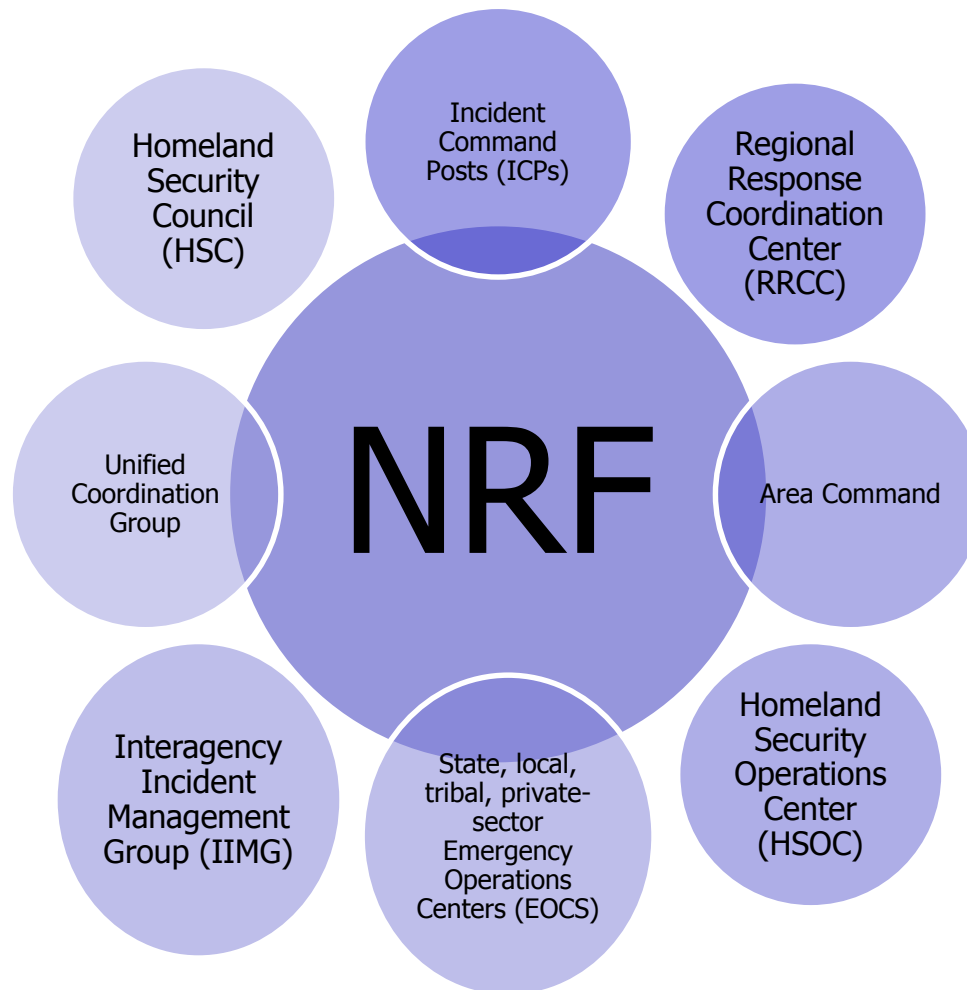
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- Implemented and adopted after 9/11
- Designed to be applicable to both small and large incidents
- Builds from the ground up
- Can grow from small- to large-scale
- Incident Commander (IC) responsibilities

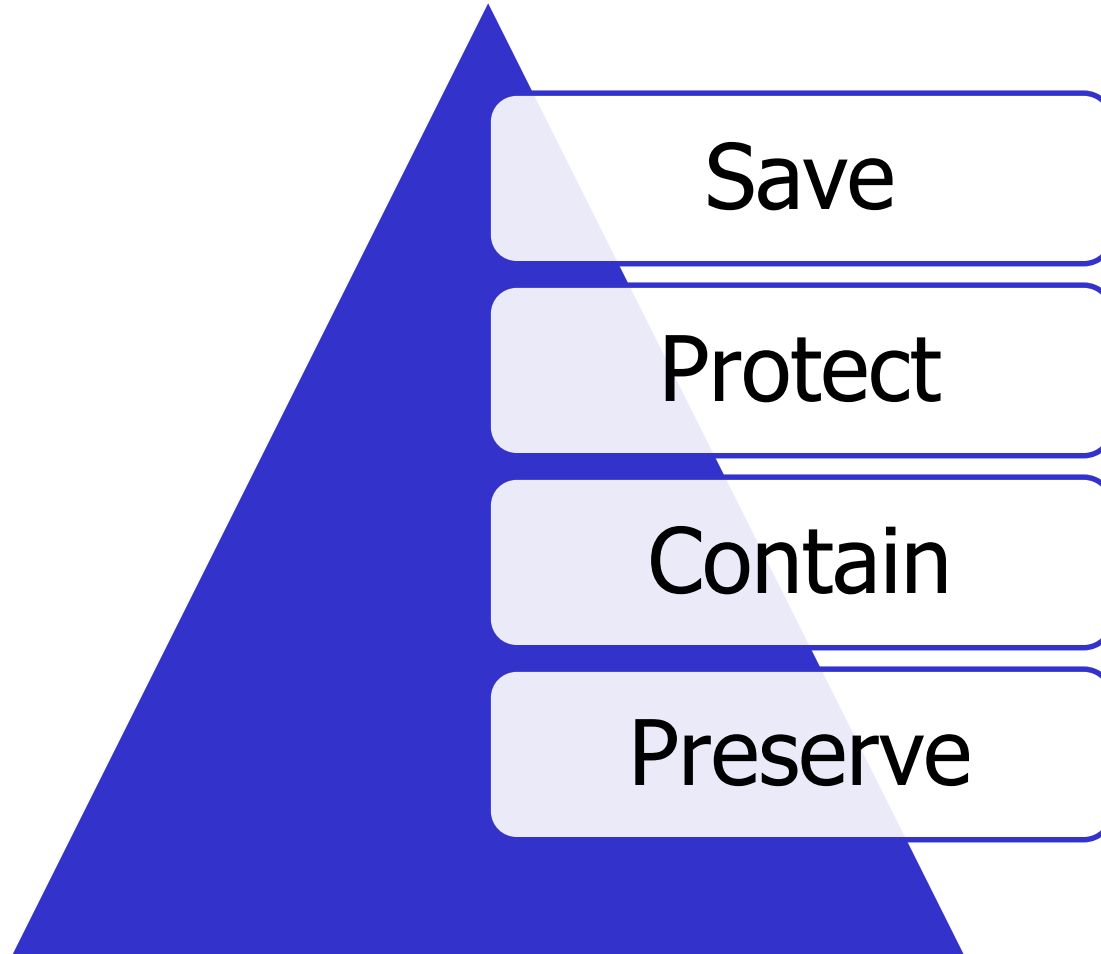
# The National Response Framework (NRF) explains how the U.S. manages all-hazards response.



# The command and coordination structures of the NRF reflect that of NIMS.



# NRF's mission in the case of a catastrophic terrorist attack addresses four goals.

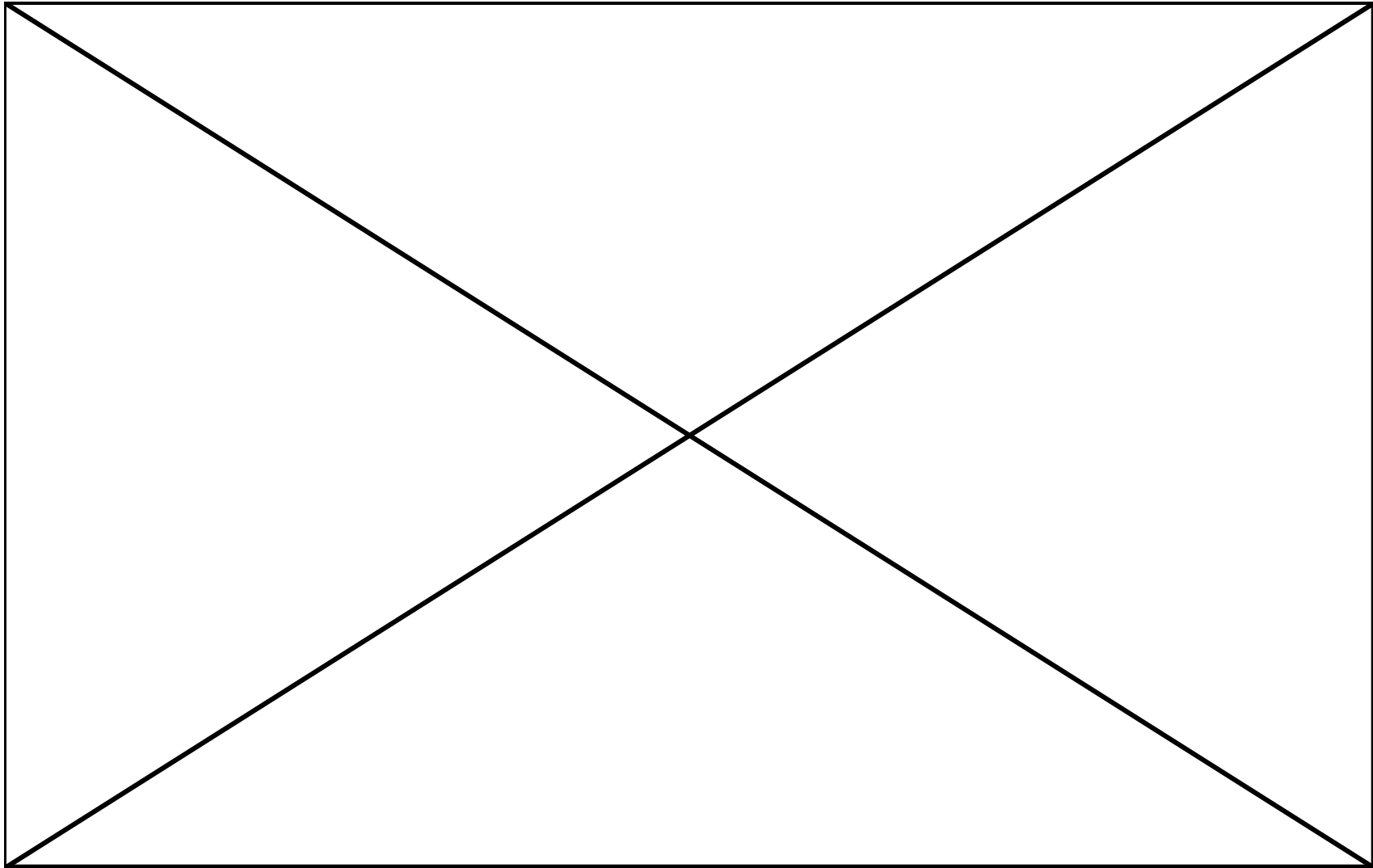


# NRF resources include six different response and rescue teams.

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*Courtesy of FEMA News Photos,  
photo by Andrea Booher*



# REVIEW QUESTION

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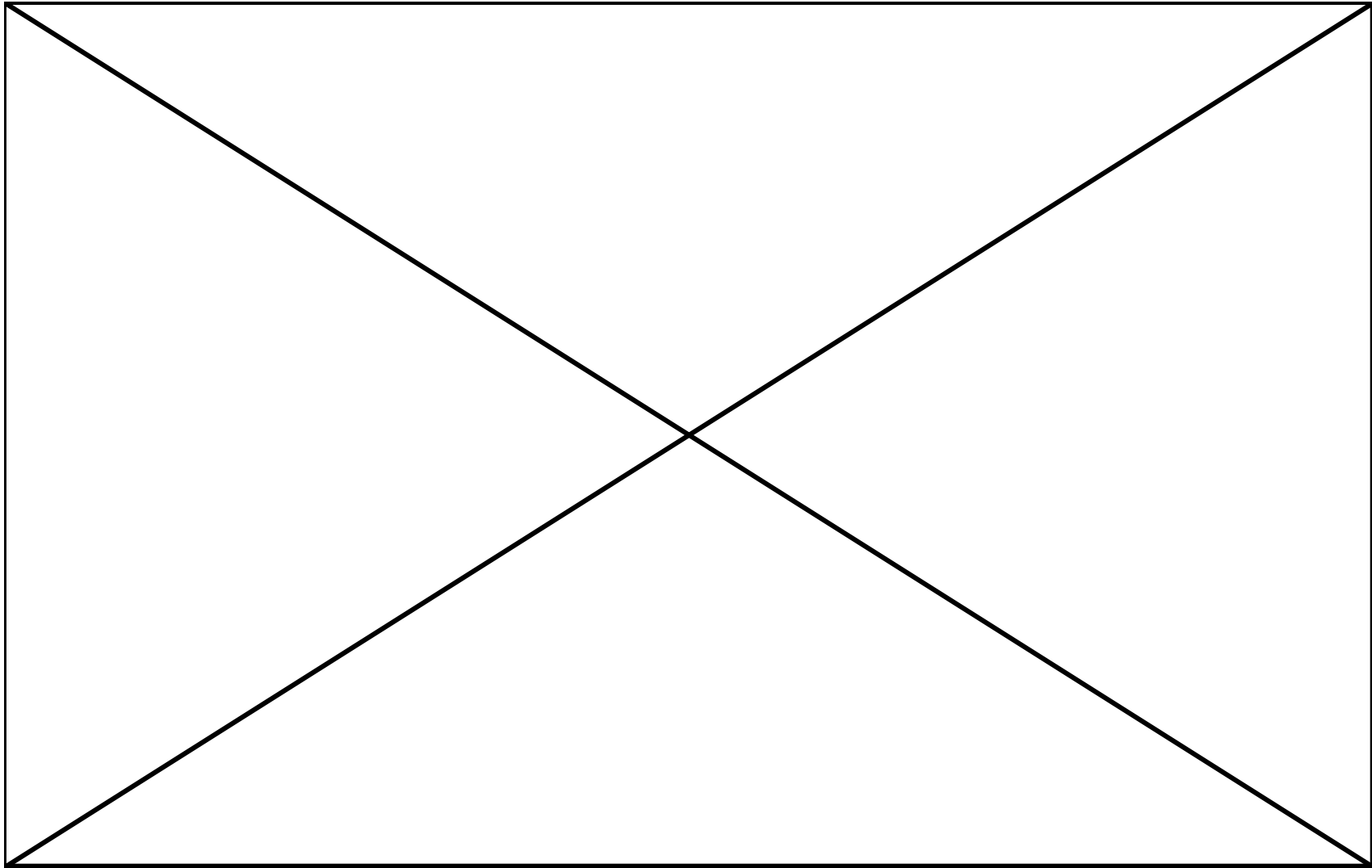


What are the advantages of an incident management system?

What incident management system is used in the U.S.?

# IMS Operational Functions

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# REVIEW QUESTION

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What structures are included in the NRF?

What are the five major operational functions of most incident management systems?



# The safety officer performs many duties at an incident scene.

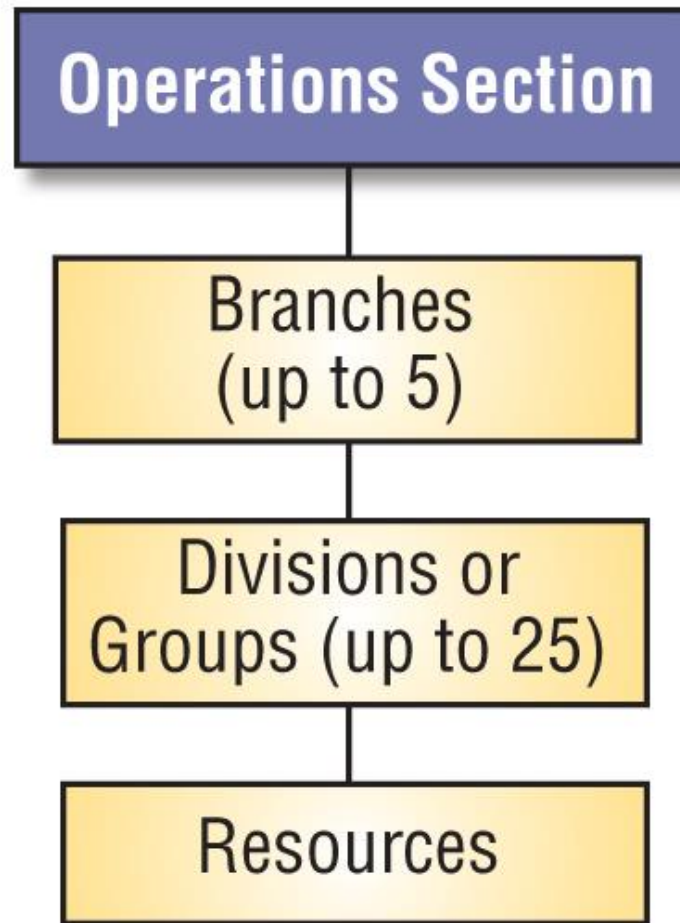


# Establishment of the command post is vital to a smooth operation.



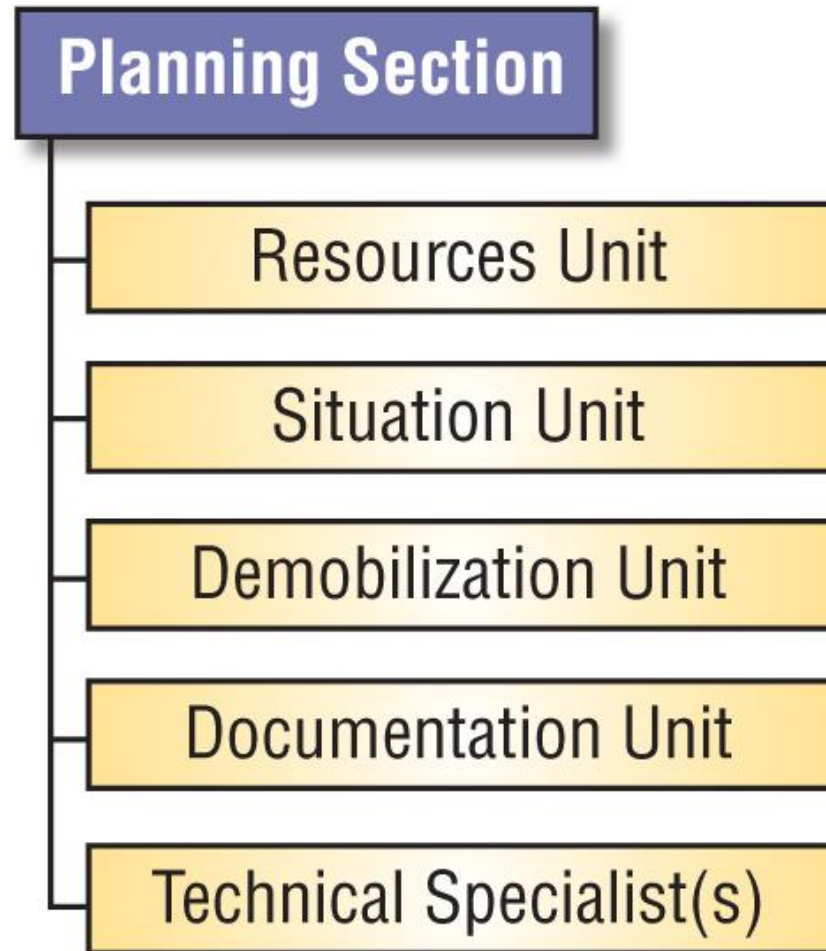
*Courtesy of Ron Jeffers*

# The operations section directs tactical activities and safety of operations personnel.

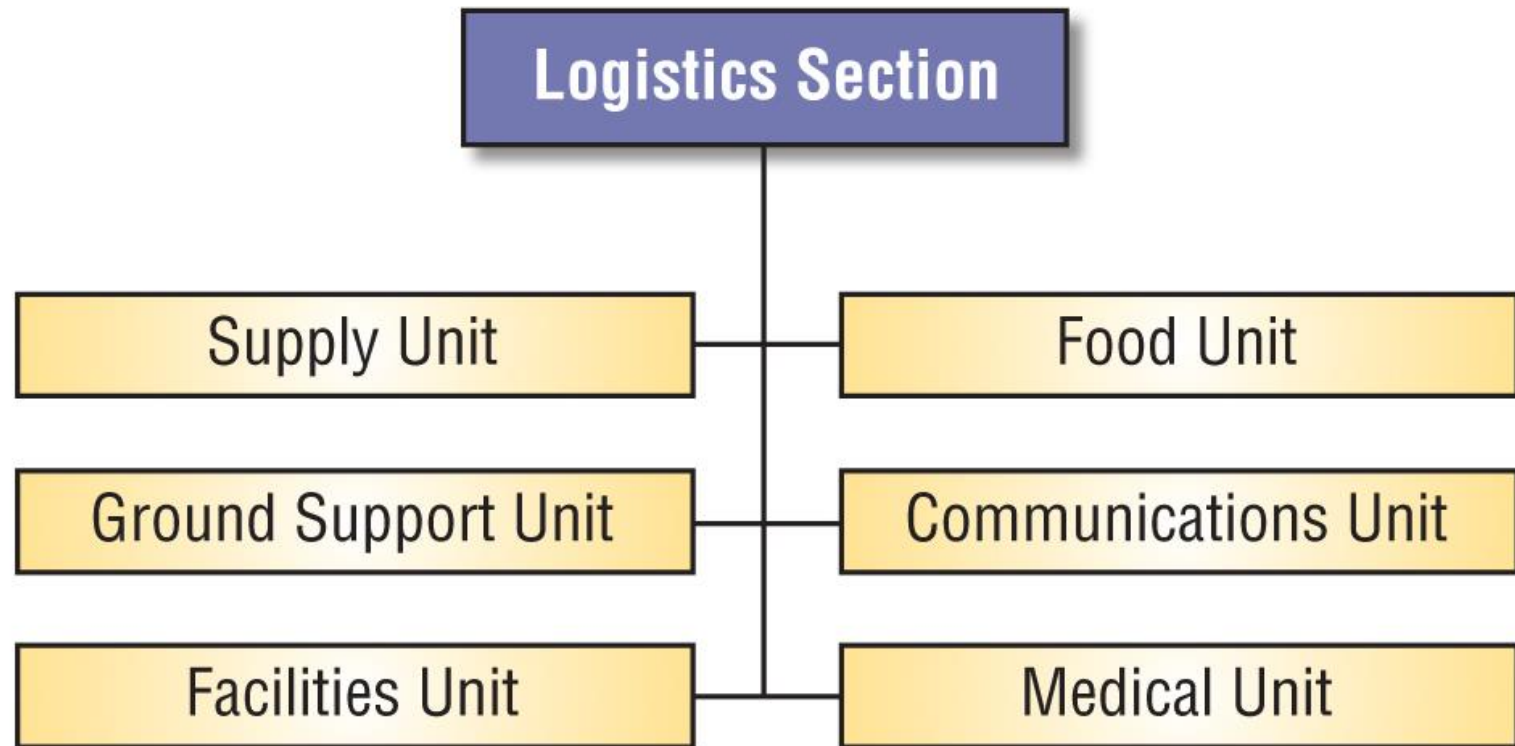




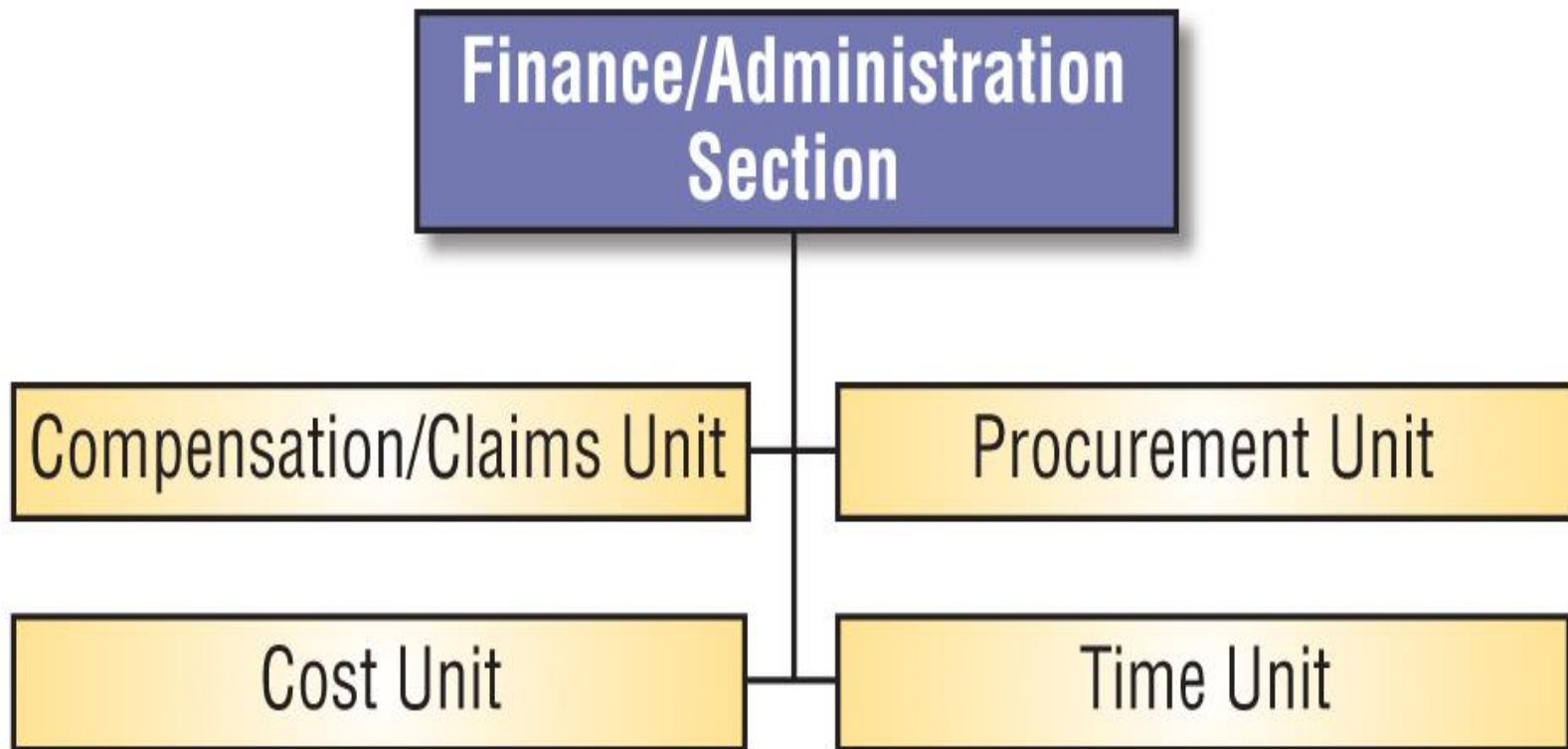
# The planning section gathers and processes information.



# The logistics section is the support mechanism for organization.



# The finance/administration section is established when there is a specific need.



# REVIEW QUESTION

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What is the function of the Incident Commander?

What are the duties of a safety officer?

# Staging Area

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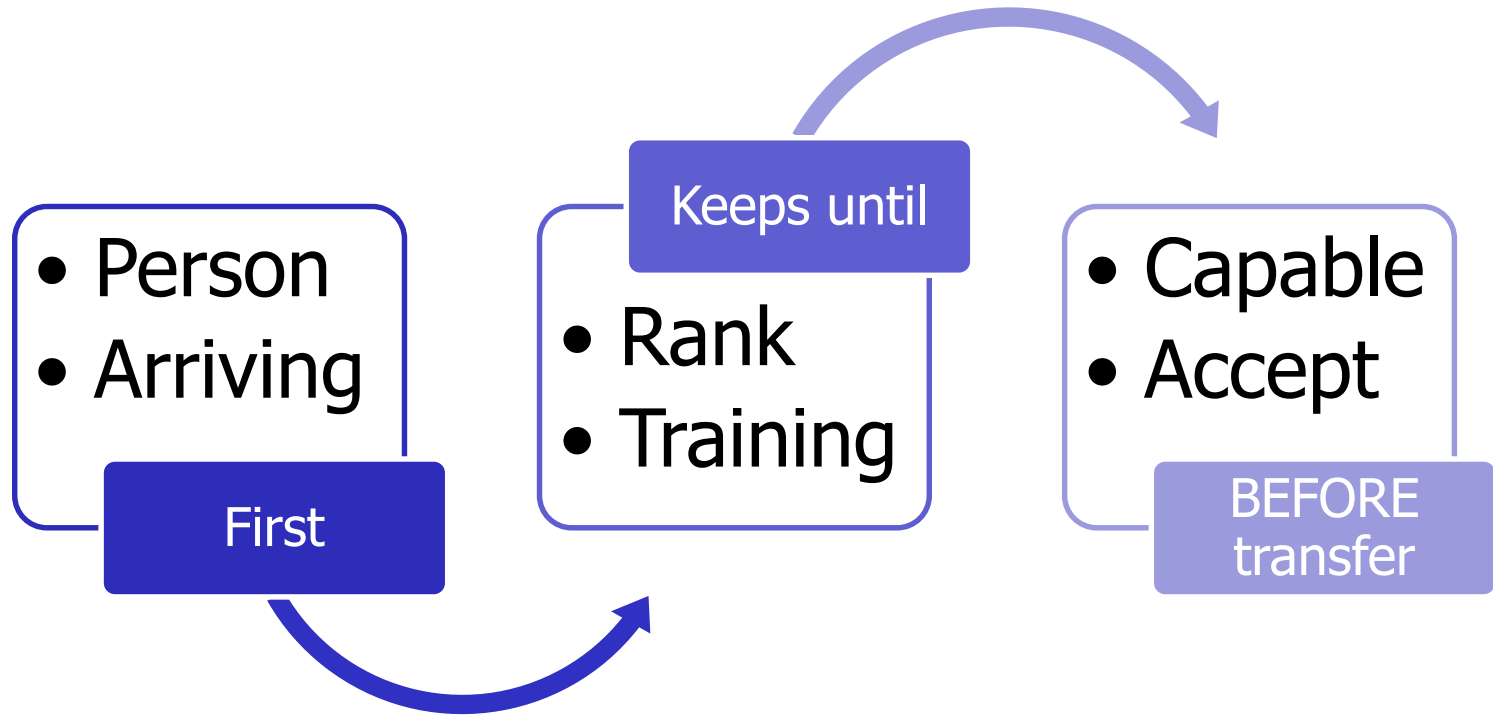
- Where personnel and equipment awaiting assignment to the incident are held
- Keeps responders and their equipment a short distance from the scene until they are needed
- Minimizes confusion at the scene



# Resources must be tracked so they can be assigned when and where needed.

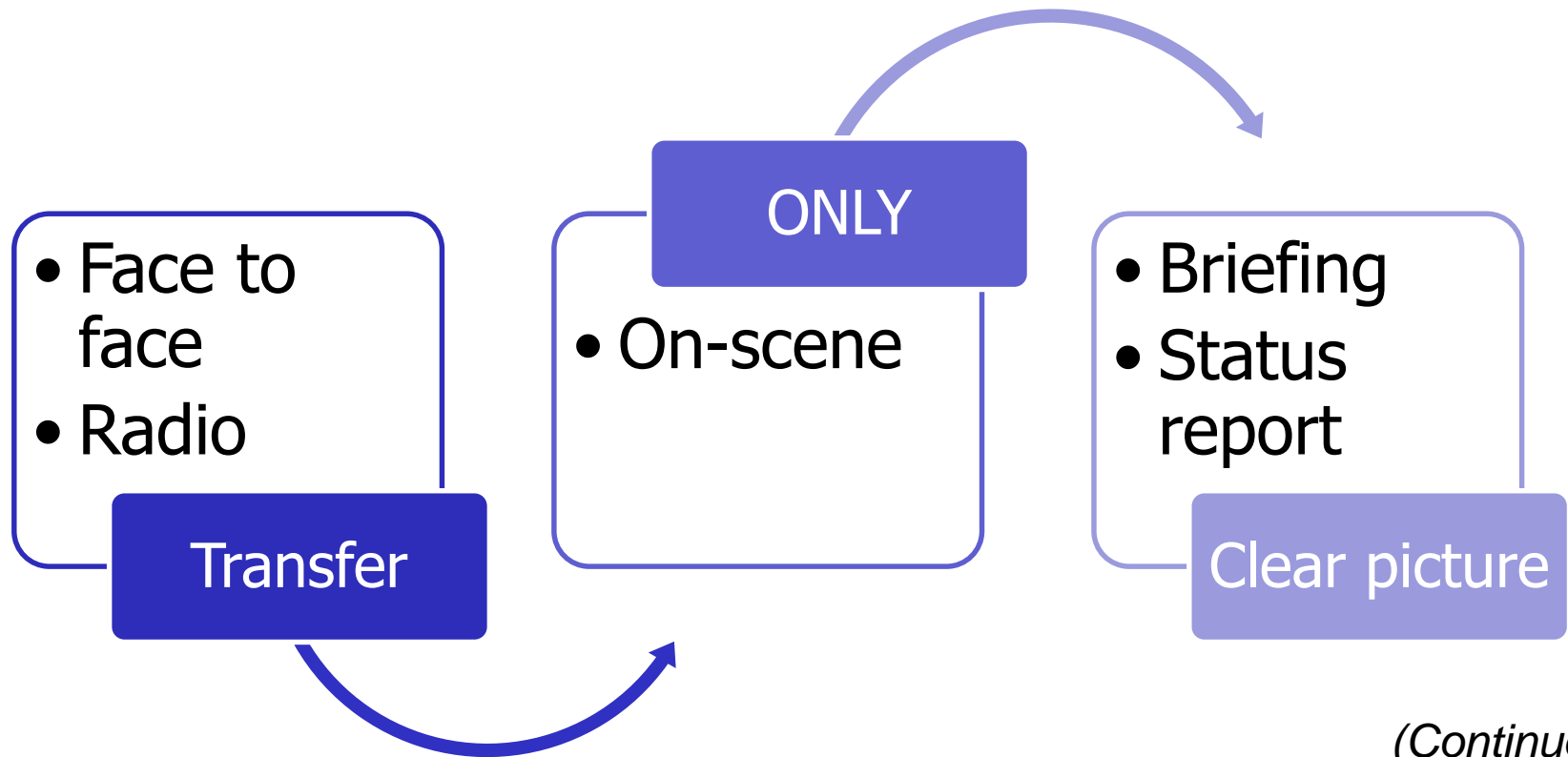


# Incident command establishment and transfer follows a specific chain.



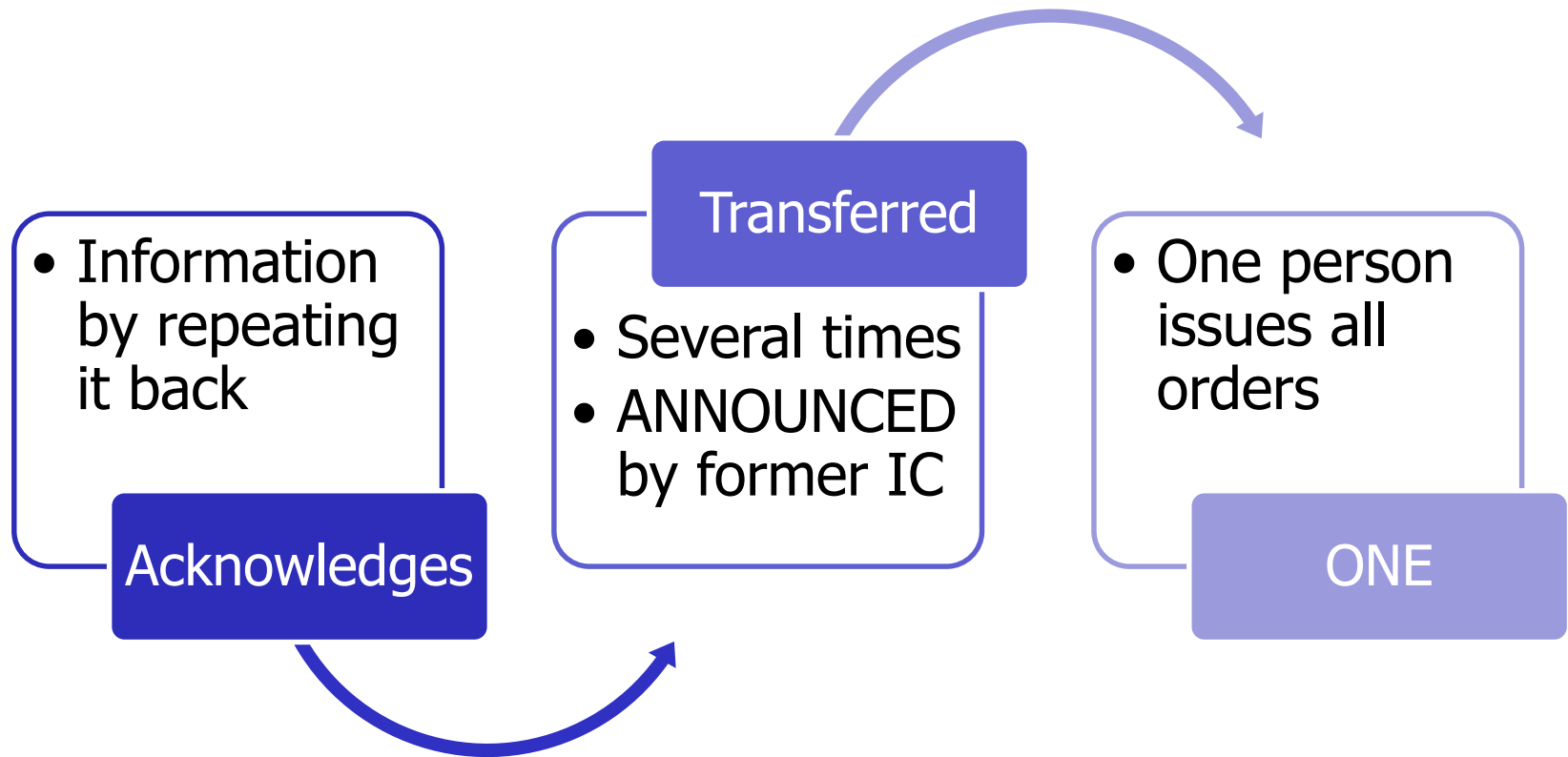
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# Chain of Incident Command Establishment and Transfer cont.



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# Chain of Incident Command Establishment and Transfer cont.



# Unified Command

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- Accomplishes control of an incident involving multiple agencies with overlapping authority and responsibility
- All agencies that have a jurisdictional responsibility at a multijurisdictional incident contribute to the process through various actions

*(Continued)*

# Unified Command

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- Memorandum of understanding
- Agencies that may be involved in controlling hazardous material incidents
- Responsible or lead agency
- Objectives that can be accomplished when organizations work together to develop haz mat pre-incident surveys

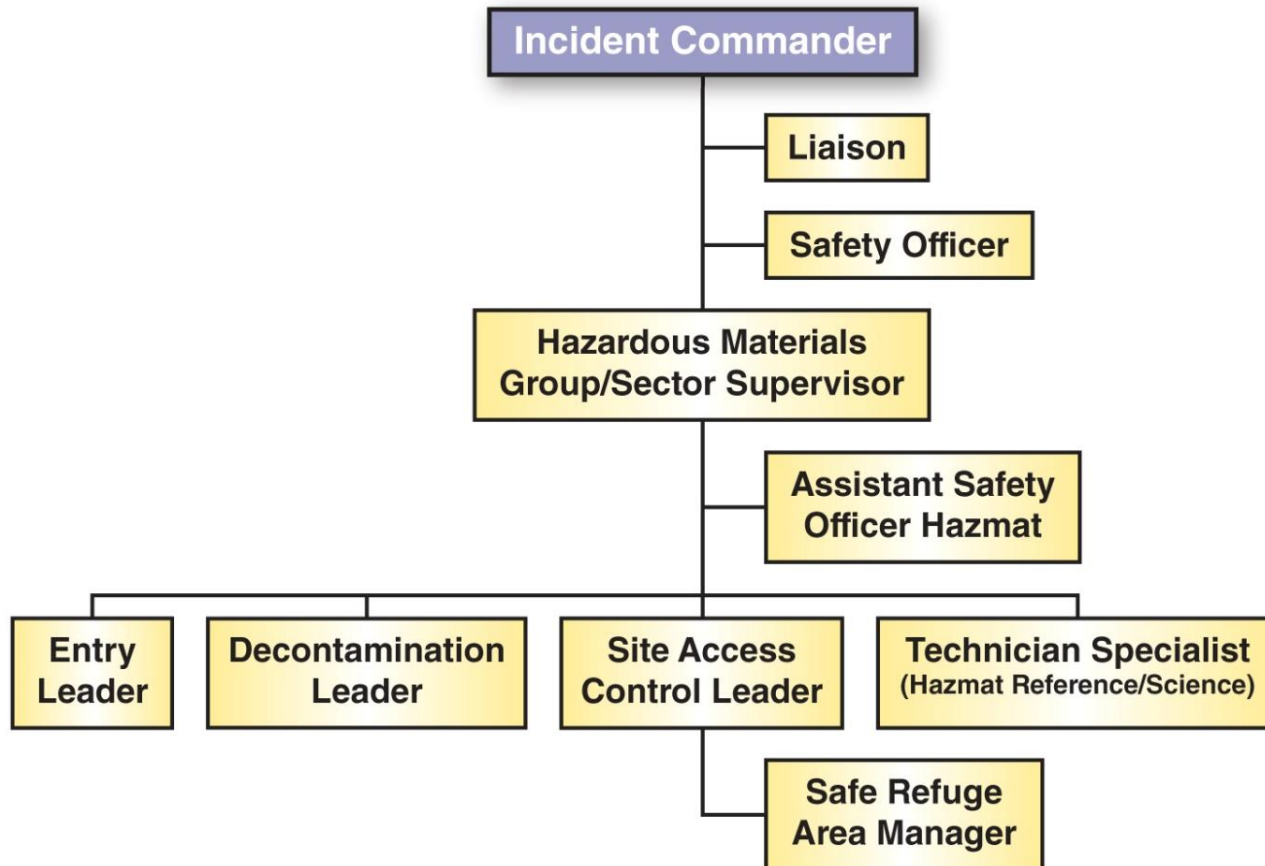
# REVIEW QUESTION

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Discuss the steps in transferring command.

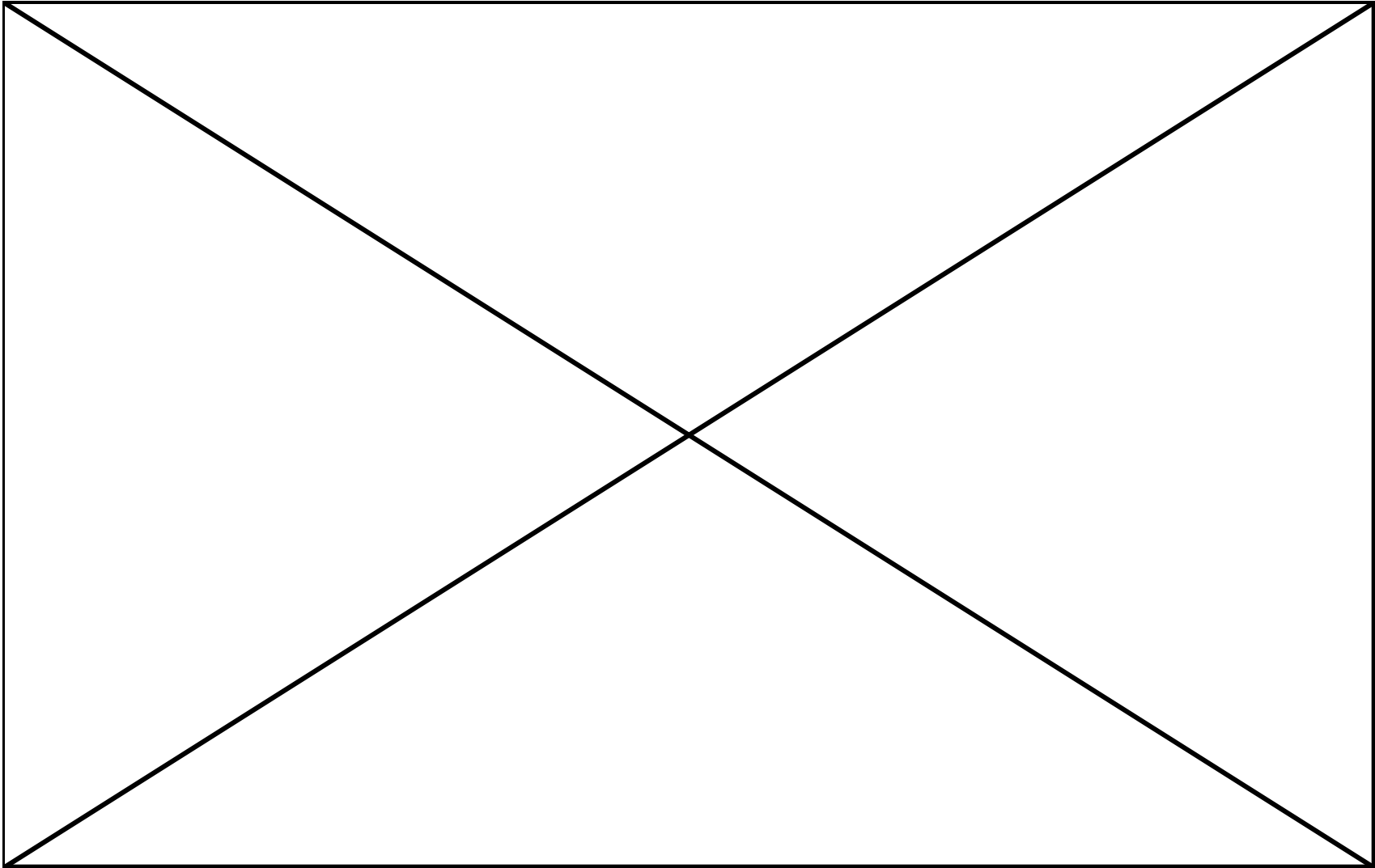
# IMS Haz Mat Positions





# IMS Haz Mat Positions

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# REVIEW QUESTION

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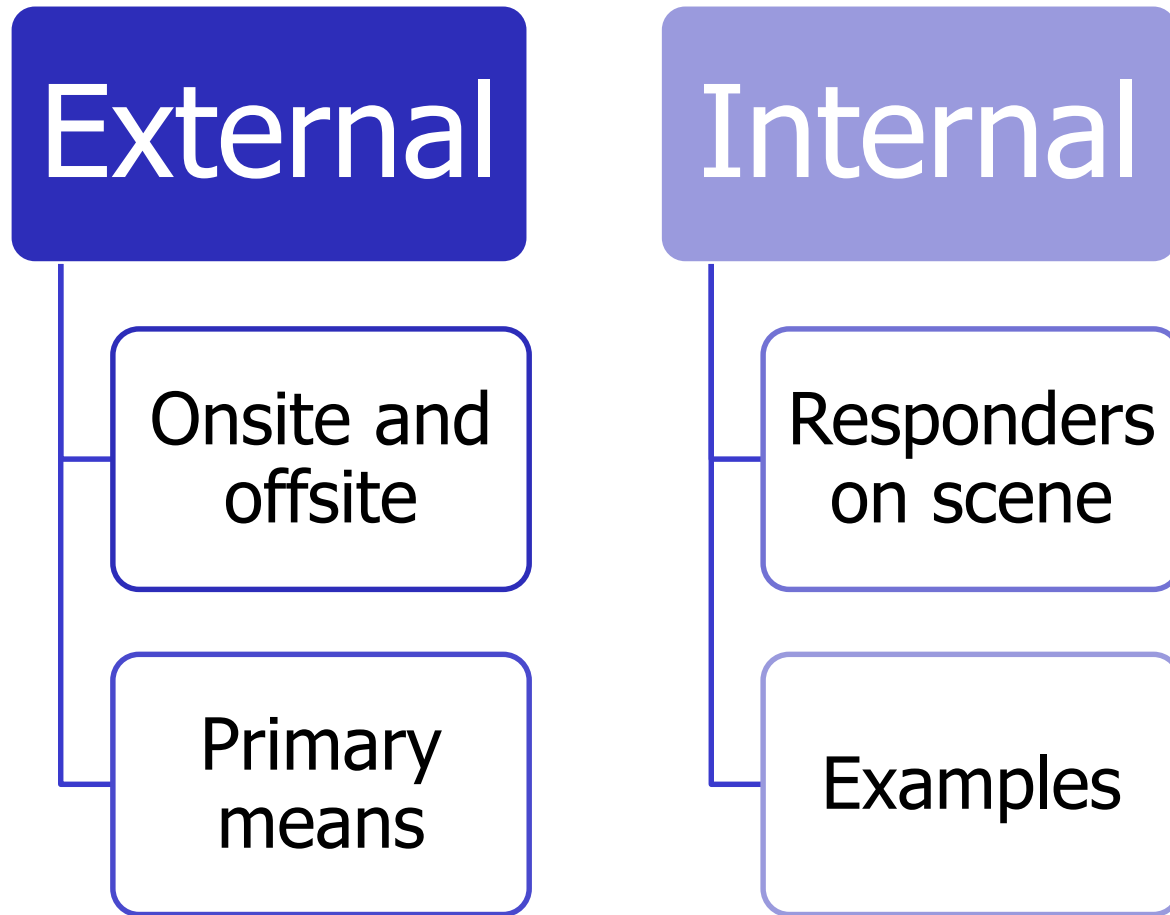
What are the standard IMS positions particular to hazardous materials incidents?

# Learning Objective 3

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Identify communication procedures and guidelines for use at hazardous materials incidents.

# Communications is vital for incident management and mitigation.



# REVIEW QUESTION

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What are some guidelines for using communications equipment correctly?

# Summary

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- Emergency response to haz mat incidents must be conducted with a certain management framework and structure to ensure successful mitigation of the incident.
- IMS must be implemented at all incidents.