

# Wisconsin Fire Service Emergency Response Plan



## Field Operations Guide

# Request for Assistance

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When a local jurisdiction is no longer able to obtain additional assistance through the area mutual aid system, they may activate the mutual aid plan for additional assistance. **First notification must be made to the State Duty Officer at the 3<sup>rd</sup> Box Alarm level.** The Wisconsin Fire Service Emergency Response Plan begins at the first Interdivisional (task force/strike team/special resource) Request.

## **Make Contact:**

The Incident Commander or designee must make the First Notification/Request for Assistance to the State Duty Officer of Wisconsin Emergency Management by calling:

**1-800-943-0003**

- Provide Information:
- Identify yourself and the agency making the request.
- What is the reason for your request (type of incident)?
- Where is the location/town/county of the incident?
- Provide two callback numbers.
- Who is the incident commander?
- What specific resource types and how many of each needed?
  - Immediate Deployment – need help now
  - Sustained Deployment – next operational period
- How long will the deployment last?
- Where are the resources to report (incident staging area)?
- What is the appropriate/safe routing to the incident?

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# Purpose & Scope of Mobilization Guide

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The purpose of the Wisconsin Mobilization Guide is to provide local Incident Commanders with access to a large volume of fire service resources. This Mobilization Guide is based upon the Wisconsin Fire Service Emergency Response Plan and covers the following information:

- SECTION I: Mutual Aid Processes
- SECTION II: ICS\*
- SECTION III: Incident Response\*

The Wisconsin Fire Service Emergency Response Plan serves as a mechanism to commit local fire, hazardous materials, emergency medical services, and special resources to emergencies beyond the scope of their normal mutual aid systems for assistance throughout the state and beyond.

# Section I: State Mutual Aid

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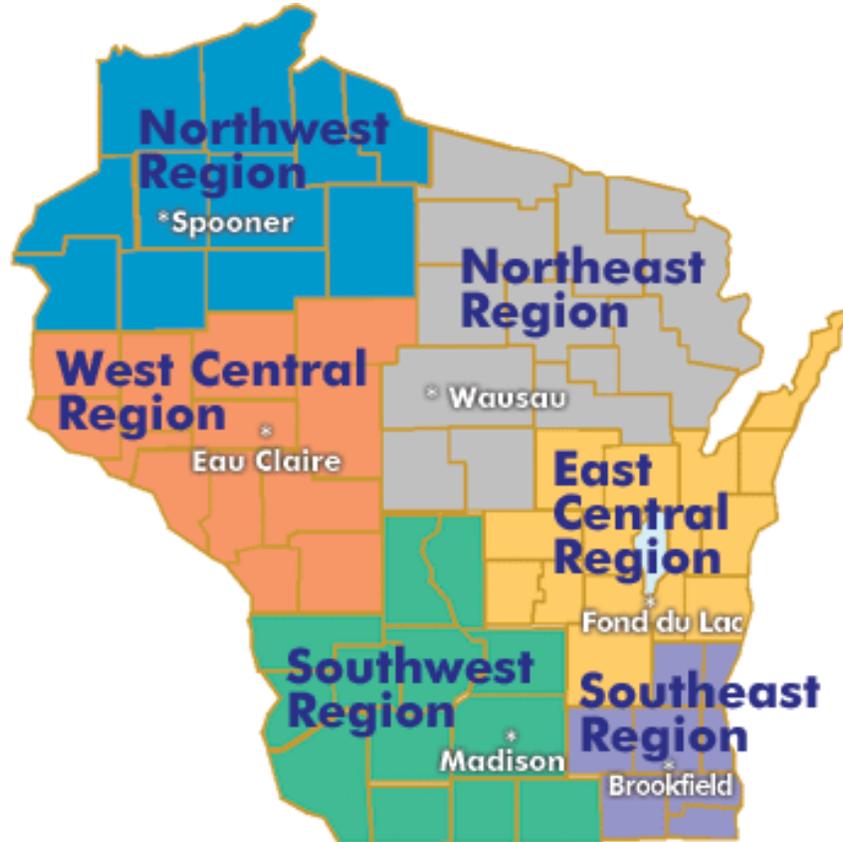
## 1. Mutual Aid 101 – Host & Guest Etiquette

Supporting Units	Supported Units
Get an invitation. Bring it with you.	Extend invitations thoughtfully.
Connected to our system. Find our system. Get in it, stay in it. Check out of it as you leave. Accept the plan of the host Chief. The host Chief should have a plan to use or demobilize the help that has arrived. Tell the hosting Chief what you need to do your work (hopefully, you brought most of what you need with you.)	Have a plan.(Notes, maps, known hazards, etc) Have your system easy to connect to.
Be Nice. Make suggestions politely, but keep working while you're talking. Play your role.	Be nice. Know what you want. Listen to suggestions. Evaluate suggestions quickly, implement, modify, or discard.
Operate safely or, please, stay home.	Have a safety system in place or get build a safety system with the first capable people to arrive.
Come to work. Be good at the work you represent yourself as capable of doing.	Know what work you want done. Work inside the Risk Management Plan in the procedures (part of the deal). Ask yourself, "Am I capable of managing this incident?", if not get some command help coming early.
Bring your own stuff to support your work and your basic needs while you are here.	Provide as much as you can.
Show up, listen, learn, and help out. Be understanding.	Be ready to receive and assign the help you ask for, Have a plan, and communicate it succinctly. Manage the work and the responders. Listen and learn from responders. Be easy to help. Be understanding.

Supporting Units	Supported Units
Come prepared to translate. Translate guest to local (host).	Be ready to translate from host to guest. And between guests.
Appreciate the opportunity to serve.	Appreciate the assistance you got.
Be considerate of the conditions under which the hosting Chief is operating.	Be cognizant of what the responder is giving up to come and help you.
Recognize the hosting entity and understand their situation.	Understand your situation and explain it succinctly.
Listen a lot. Help quietly.	Know what you want, ask for it. Listen for feedback.
Accept whatever assignment you are given and capable of. Don't bitch about being assigned whatever might be your not favorite role.	Accommodate the strengths and preferences of guests where/when you can.
Don't talk to the media unless the host specifically asks you to.	Make clear who the PIO is. Ask media to work through that role.
Friends don't let friends run incidents when they are too tired to be effective. If you have to deliver this news, do so in private.	Manage yourself. Take a hard look in the mirror. Listen when you are so tired you can't. Don't wreck your support system.
You have an absolute obligation to get along with whomever else the host has asked to come and help. Manage your past, present and future. If you can't go along with the host, ask the host for a note allowing you to leave. Try to find your own replacement if select yourself out of the response.	Try not to invite mortal enemies. If you need the enemies, brief in the enemies to their new relationship (at your incident), ask them to cooperate and not make it hard on the host.
Leave when its time. If you can't tell when it's time, ask.	Don't keep anyone longer than you need to. Be sensitive to signs that people want to go home.

## 2. State Organization & Structure

For purposes of the mutual aid plan, WEM and MABAS-WI have divided the state of Wisconsin into six (6) geographical regions. The regions are shown on map below. Each region has a Regional Director for WEM and a Regional Coordinator for MABAS-WI to assist in coordination of activities in that region.



WEM and MABAS-WI have divided the State of Wisconsin into six (6) geographical regions. The regions are:

Region	Counties in Region
Northwest Region:	Ashland, Barron, Bayfield, Burnett, Douglas, Iron, Polk, Price, Rusk, Sawyer, and Washburn
Northeast Region	Florence, Forest, Langlade, Lincoln, Marathon, Marinette, Menominee, Oconto, Oneida, Portage, Shawano, Vilas, and Wood
West Central Region	Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, La Crosse, Monroe, Pepin, Pierce, St. Croix, Taylor, and Trempealeau
East Central Region	Brown, Calumet, Dodge, Door, Fond du Lac, Green Lake, Kewaunee, Manitowoc, Marquette, Outagamie, Sheboygan, Waupaca, Waushara, and Winnebago
Southwest Region	Adams, Columbia, Crawford, Dane, Grant, Green, Iowa, Juneau, Lafayette, Richland, Rock, Sauk, and Vernon
Southeast Region	Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha

For the State of Wisconsin, the Emergency Support Functions and the Primary Agency that manages the function are listed on the following table:

EMERGENCY SUPPORT FUNCTIONS	
Function	Primary Agency
1. Transportation	Wisconsin Department of Transportation
2. Communications	Wisconsin Emergency Management
3. Public Works and Engineering	Wisconsin Emergency Management
4. Firefighting	Wisconsin Emergency Management
5. Emergency Management	Wisconsin Emergency Management
6. Mass Care, Housing & Human Services	Wisconsin Department of Health Services
7. Resource Support	Wisconsin Emergency Management
8. Health & Medical Services	Wisconsin Department of Health Services
9. Urban Search and Rescue	Wisconsin Emergency Management
10. Oil & Hazardous Material	Wisconsin Department of Natural Resources
11. Agriculture and Natural Resources	Wisconsin Department of Agriculture, Trade and Consumer Protection
12. Energy	Public Service Commission
13. Public Safety & Security	Wisconsin Emergency Management
14. Long Term Community Recovery and Mitigation	Wisconsin Emergency Management
15. External Affairs	Wisconsin Emergency Management

### 3. Key Positions Checklist

The fire service includes all public and private entities furnishing fire protection and related services within the State.

#### INCIDENT COMMAND/DISPATCH CENTERS

**Responsibility:** The responsibility for activation of the Plan shall remain with the person or persons with incident management authority in the event of a disaster within that jurisdictional area. The local/regional/division dispatch center and the Central Dispatch Center, in coordination with WEM, will support incident command.

#### **Actions:**

\_\_\_\_\_ In the event of an emergency/disaster and local/regional mutual aid systems have been exhausted, the local jurisdiction shall determine the type and amount of additional resources required. Requests shall be in accordance with the Resource Inventory guidelines of this Plan.

\_\_\_\_\_ The local Incident Commander/Unified Command will contact the local/regional/division dispatch center of the affected jurisdiction, who will establish contact with WEM State Duty Officer at **1-800-943-0003** and requests additional resources.

\_\_\_\_\_ During any major incident, interagency coordination is essential. Upon the activation of the County Emergency Operations Center (EOC), Request for Assistance shall be channeled through the local/county/division dispatch center by the Wisconsin Emergency Management.

\_\_\_\_\_ The local/regional/division dispatch center shall then contact and notify the MABAS-WI Division Representative, County Response Coordinator, and/or the local County Emergency Manager to inform them of activation of the Plan.

\_\_\_\_\_ The Central Dispatch Center notifies/alerts the requested resources under the Plan, through the local/regional/division dispatch center(s) and verifies the response.

\_\_\_\_\_ The Central Dispatch Center notifies/alerts the closest MABAS-WI Regional Coordinator, and the Presidents of MABAS-WI and WSFCA of activation of the Plan.

\_\_\_\_\_ The Central Dispatch Center verifies the resources activated and responding under the Plan to the WEM State Duty Officer who in turn notifies the WEM

Fire Services Coordinator of the resources dispatched by the Central Dispatch Center.

\_\_\_\_\_ The WEM Fire Services Coordinator will establish communication between the Central Dispatch Center and the local/regional/division dispatch center and incident command.

## Key Position Checklists

### PRESIDENT OF THE WISCONSIN STATE FIRE CHIEFS ASSOCIATION

**Position Responsibilities:** Overall coordination of the Wisconsin Fire Service Emergency Response Plan through the President of MABAS-WI and WEM Fire Services Coordinator.

#### **Actions:**

\_\_\_\_\_ Annually appoints the Chair of the IMAP Committee who also serves as a member of the Intrastate Mutual Aid System (IMAS) Workgroup with a appointee of MABAS-WI and WEM Fire Services Coordinator.

\_\_\_\_\_ The WSFCA President may recommend alterations to the IMAP Committee as deemed necessary to ensure “continuity of operations” for impacted communities.

\_\_\_\_\_ Notifies the WEM Fire Services Coordinator and the President of MABAS-WI annually with the identity of the IMAS Workgroup representative.

\_\_\_\_\_ Considers and approves/disapproves recommendations from the IMAS Workgroup regarding committee membership.

\_\_\_\_\_ Communicates with WEM Fire Services Coordinator on all matters affecting Wisconsin disaster planning.

\_\_\_\_\_ Assists the Chair of the IMAP Committee with management as necessary.

\_\_\_\_\_ Contacts adjacent state fire chief associations, as necessary, to coordinate planning, funding, and exercising activities.

\_\_\_\_\_ Liaison with IAFC for situation updates and assistance needs.

\_\_\_\_\_ Attends critiques of the State Plan and After Action Reviews at his/her discretion.

## Key Position Checklists

### PRESIDENT OF MABAS-WI

**Position Responsibilities:** Overall coordination of the Wisconsin Fire Service Emergency Response Plan through the President of WSFCA and WEM Fire Services Coordinator.

#### **Actions:**

- \_\_\_\_\_ Annually appoints the Response Coordinator who will Chair the MABAS-WI Intrastate Mutual Aid Plan (IMAP) Committee and will also serve as a member of the Intrastate Mutual Aid System (IMAS) Workgroup with an appointee of WSFCA and the WEM Fire Services Coordinator.
- \_\_\_\_\_ Notified of a state deployment under the Plan by the Central Dispatch Center. Will communicate with WEM Fire Services Coordinator for additional logistical support necessary for the incident.
- \_\_\_\_\_ If additional logistical support is requested by WEM Fire Services Coordinator, will make appropriate contact with requested special resources from MABAS-WI and other MABAS states as necessary.
- \_\_\_\_\_ Considers revisions made in the Plan by the IMAS Workgroup and the six (6) MABAS-WI Regional Coordinators and will make comments for consideration.
- \_\_\_\_\_ The President will prepare the recommendations for a business meeting of the MABAS-WI Executive Board for approval. The approved recommendations will be sent to WEM Fire Services Coordinator and the President of WSFCA for final consideration.
- \_\_\_\_\_ Notifies the WEM Fire Services Coordinator and the President of WSFCA annually with the identity of the IMAS Workgroup representative.
- \_\_\_\_\_ Considers and approves/disapproves recommendations from the IMAS Workgroup regarding committee membership.

- \_\_\_\_\_ Communicates with WEM Fire Services Coordinator on all matters affecting Wisconsin disaster planning.
- \_\_\_\_\_ Assists the Response Coordinator with Plan management as necessary.
- \_\_\_\_\_ Contacts adjacent state MABAS systems, as necessary, to coordinate planning, funding, and exercising activities.
- \_\_\_\_\_ Liaison with the Mid America Mutual Aid Consortium (MAMA-C) for situation updates and assistance needs.
- \_\_\_\_\_ Attends critiques of the Plan and After Action Review at his/her discretion.

## Key Position Checklists

### WEM FIRE SERVICES COORDINATOR

**Position Responsibility:** Overall coordination, management, maintenance of the Wisconsin Fire Service Emergency Response Plan.

#### **Actions:**

- \_\_\_\_\_ Serves as a member of the Intrastate Mutual Aid System (IMAS) Workgroup with the representatives of WSFCA and MABAS-WI.
- \_\_\_\_\_ The Wisconsin Emergency Management, Fire Services Coordinator will meet with WSFCA President annually to brief the President on the status of the Plan after the June election of the Wisconsin State Fire Chief's Executive Board and may provide an annual written report to the President of the WSFCA..
- \_\_\_\_\_ The President of the Wisconsin State Fire Chief's Association shall appoint the Chair of the WSFCA IMAP Committee. Said person will work directly with the Wisconsin Emergency Management Fire Services Coordinator for planned and unplanned deployment of mutual aid resources.
- \_\_\_\_\_ The WEM Fire Service Coordinator shall meet with the MABAS-WI Response Coordinator and the six (6) Regional Coordinators on a quarterly basis or more frequently if needed.
- \_\_\_\_\_ The WEM Fire Service Coordinator and the Chair of the WSFCA IMAP Committee shall represent the IMAS Workgroup to the Board of Directors of the WSFCA.
- \_\_\_\_\_ Makes reports to the WSFCA Executive Board on the Plan and the activities of the IMAS Workgroup at the annual meeting, or may provide a written update to the membership via the WSFCA magazine.
- \_\_\_\_\_ Insures Plan updates, training/exercising activities, Central Dispatch services, Response System maintenance, and other administrative functions are on-going through WEM.
- \_\_\_\_\_ May serve as Fire Service representative/liaison to the WEM Fire Services Coordinator operating in the State Emergency Operations Center.
- \_\_\_\_\_ Serves as the liaison, during the disaster, to the affected Regional Plan Coordinator.

- \_\_\_\_\_ Directs the coordination of the reimbursement process.
- \_\_\_\_\_ Critiques responses with IMAS Workgroup and makes appropriate recommendations to WEM, WSFCA, and MABAS-WI for changes in the Plan.
- \_\_\_\_\_ Develops a plan to provide for the continued staffing of the position of WEM Fire Services Coordinator during extended operations.

## Key Position Checklists

### MABAS-WI REGIONAL COORDINATOR

**Position Responsibility:** Maintenance and coordination of the Plan at the regional level.

#### **Actions:**

- \_\_\_\_\_ Appointed annually by the President of MABAS-WI.
- \_\_\_\_\_ Serves as a point of contact for the MABAS-WI division representatives, WEM, and the MABAS-WI Response Coordinator.
- \_\_\_\_\_ Identifies and trains at least one (1) alternate for the Region (preferably a Division Representative).
- \_\_\_\_\_ During activation, the closest Regional Coordinator is assigned or assigns liaison for coordination of resources under the Plan to incident command in the disaster area.
- \_\_\_\_\_ During activation, the next available Regional Coordinator to the stricken unit is assigned to the Reception Area to process arriving resources, verify the Authentication Matrix, and release resources to the incident staging area.
- \_\_\_\_\_ During activation, the Regional Coordinator assigned to the Reception Area will ensure proper demobilization of resources being released from the Reception Area and the incident.
- \_\_\_\_\_ Serves as member of the MABAS-WI IMAP Committee.
- \_\_\_\_\_ Acts as liaison and resource for the County Fire Chiefs' Associations in the area.
- \_\_\_\_\_ Maintains current resource list of equipment, personnel, etc., within the region that are available for response upon Plan activation. Updates resource list at least semi-annually and provides the list to MABAS-WI Secretary, the Central Dispatch Center, and WEM Fire Services Coordinator.
- \_\_\_\_\_ During Plan activation, Regional Coordinators or designees is assigned to incident command and the Reception Area, and will communicate with the WEM Fire Services Coordinator and the President of MABAS-WI.

## Key Position Checklists

### MABAS-WI DIVISION REPRESENTATIVE

**Position Responsibility:** Maintenance and coordination of the Plan at the county level.

**Actions:**

- \_\_\_\_\_ Appointed annually by the division membership to represent the division, as a voting member of the Executive Board member of MABAS-WI, for revisions to the Plan. Provides information and feedback to/from Executive Board meetings and correspondence to division member agencies.
- \_\_\_\_\_ Serves as a point of contact for the MABAS-WI Regional Coordinators, WEM, and the MABAS-WI Response Coordinator.
- \_\_\_\_\_ Coordinates all activities, i.e. training, drills, and Plan maintenance with the Regional Coordinators.
- \_\_\_\_\_ Identifies a contact list for each fire department in the division/county.
- \_\_\_\_\_ Identifies the fire service dispatching points and division dispatch centers within the county.
- \_\_\_\_\_ Maintains current resource list of equipment, personnel, etc. within the county that are available for response upon Plan activation. Updates resource list at least semi-annually and submits division resource list to the Regional Coordinator and the MABAS-WI Secretary.
- \_\_\_\_\_ Prior to Plan activation, establishes and maintains an on-going dialogue the local emergency management directors.
- \_\_\_\_\_ Assists with the creation/expansion of local and county mutual aid systems. Assists fire and EMS services in the division area/region with MABAS development and member support activities.
- \_\_\_\_\_ Serves as a liaison for the Plan to the local fire service representatives within the County EOC and the local/regional/division dispatch centers.
- \_\_\_\_\_ Assists local jurisdictions, MABAS-WI Finance Section Chief, and WEM with incident documentation and the processing of reimbursement documents.

#### 4. Training Credentials & Minimum Qualifications

Responding personnel shall meet the following minimum requirements:

- Wisconsin State certified Firefighter I  
(for intrastate deployments, effective 01/01/2010)
- Wisconsin State certified Firefighter II  
(for interstate and EMAC deployments, effective 01/01/2015)
- Wisconsin State certified Hazardous Materials Operations Level  
(For Personnel Operating in Support Functions, effective 01/01/2011)
- Wisconsin State Certified Hazardous Materials Technician Level  
(Level A Teams – Starting 01/01/2010, Level B Teams, effective 01/01/2011)
- NIMS Incident Command System IC 100, 200, 700 and 800A Certification  
(All Responders effective NIMS Training Objectives timeline)
- NIMS Incident Command System ICS 300  
(All Company Officers, effective 01/01/2010)
- NIMS Incident Command System ICS 400  
(All Incident Commanders, Task Force leaders, Strike Team Leaders and Group Leaders, and Regional Coordinators by 01/01/2010)
- NIMS Command & General Staff certified  
(Type 4 Incident Management Assistance Team, effective 01/01/2010)
- NIMS All-Hazard ICS Certified  
(Type 3 Incident Management Assistance Team, effective 01/01/2010)

If a request for ALS Ambulances is made within the Plan, there shall be at a minimum, one licensed Emergency Medical Technician-Paramedic (EMT-P) and one licensed Emergency Medical Technician-Basic (EMT-B). If a request is made for EMS personnel and transportation is not necessary, responding personnel shall hold a minimum of a Wisconsin State certified EMT license in accordance with their assigned duties.

Additionally, personnel responding to an activation of the plan shall be in physical condition commensurate with the expected tasks to be performed and conditions to be faced.

### 5.1 Pre-Deployment Checklist

- What is the deployment duration?
- What is the reporting location?
- What is the reporting time?
- Who does the deployed crew report to on arrival?
- What room and board provisions are there for personnel?
- What is the incident commander's name?
- What is the command post telephone number?
- What is the mission number?
- What are the emergency contact numbers for all deployed personnel?
- Have all appropriate forms been faxed?
- Prepare go-kit for specific assignment.
- Notify State Emergency Operations Officer of the destination and expected function. Provide a cell phone or other contact numbers if known.
- Perform communications check with all assigned communications equipment prior to departure.
- Insure all expenditure accountability documents are understood and identified before departure.

## **5.2 Team Member Checklist:**

- \_\_\_\_\_ Invitation (the Mission Number/Passcode given to the team by WEM)
- \_\_\_\_\_ Radios with batteries, spare batteries, and chargers
- \_\_\_\_\_ Flashlights – all shapes and sizes
- \_\_\_\_\_ Extra batteries for flashlights and battery tools
- \_\_\_\_\_ Tools – hand, power, and extrication as appropriate to the mission
- \_\_\_\_\_ Compressed breathing air
- \_\_\_\_\_ Generator, lights, extension cords, adapters
- \_\_\_\_\_ Thermal imagers, gas meters
- \_\_\_\_\_ Fuel for power tools, oil, spare parts
- \_\_\_\_\_ Tool kit (wrenches, pliers, screwdrivers, etc.)
- \_\_\_\_\_ Shelter, tents, etc. for Base of Operations
- \_\_\_\_\_ Cash, credit cards, or purchase orders for team expenses

### 5.3 Personal Items for Each Responder

- Cash (Amount appropriate for deployment)
- Two Credit Cards

#### Change of Clothes (Dependant upon the deployment days)

- Socks
- Shirts (Uniform and Civilian)
- T-Shirts
- Boots (Fire and Tactical)
- Gloves (Fire and Tactical)
- Pants (Uniform and Civilian)
- Headwear (Soft/Helmet/Dew Rag)
- Eye Glasses (Tactical Sun and Reading)
- Towel/washcloth
- List of Phones Numbers to your dependants
- Emergency Contact List (ICE)
- Dentist Contact Information
- Underwear
- Boots (Fire and Tactical)
- All Weather Gear
- Sweater/Sweatshirt
- Tank Tops
- Sleeping Clothes
- Hat/Baseball Cap
- Belts (Tactical and Pants)
- Sleeping Bag/Head Knocker
- Pillow
- Doctors Contact Information
- Eye Specialist Information

#### Comfort Items

- Food/Water
- Snack Items (min. 3 days)
- Over the Counter Items
- Sleep Gear

#### Hygiene Kit

- Toothpaste
- Toothbrush
- Mouthwash
- Dental Floss
- Soap/Shampoo
- Razor and Blades
- Shaving Cream
- After Shave Lotions
- Deodorant
- Lip Balm/Sunscreen

#### Electronic Devices

- Music player w/ earpiece
- Game Boy
- Laptop
- Charger for all Electrical Devices
- Cell Phone (battery charger)
- Bulbs (LCD/Strobe/Flashlight)
- Portable Fire Radio
- GPS w/ Topo Interface
- Timing Devices
- Topo Maps
- Music CDs
- Audio Books on Tape/CD
- Charging Devices
- Batteries
- 2 Mil Flood
- Alarm Clock (battery operated)
- Batteries
- Watch

#### Identification

- Drivers License
- Department Badge and ID
- Deployment ID
- Badge and ID
- Passport

#### Additional Medical Items

- Personal First Aid Kit
- Foot Powder
- Vaccination Card (Papers)
- Medications
- Toilet Paper
- Baby Wipes
- Mentholatum
- Mirror (CD)

#### Response Guides

- Fire FOG
- DOT Emergency Response Guidebook
- ICS FOG
- Fire Analysis Software

### Personal Protective Equipment

- |   |  |
|---|--|
| <input type="checkbox"/> Full Structural Firefighting Gear and SCBA | <input type="checkbox"/> Ear Protection                |
| <input type="checkbox"/> Emergency Pop-up                           | <input type="checkbox"/> Eye Protection/Safety Glasses |
| <input type="checkbox"/> Whistle                                    | <input type="checkbox"/> Mirror (CD)                   |
| <input type="checkbox"/> Deployment Coveralls (Gloves)              | <input type="checkbox"/> Back Flares                   |
| <input type="checkbox"/> Smoke Canisters                            | <input type="checkbox"/> DEET for Mosquitoes           |
| <input type="checkbox"/> Entrenching Tool                           | <input type="checkbox"/> Shelter Tarp                  |
| <input type="checkbox"/> Burner                                     | <input type="checkbox"/> Strobe Lights                 |
| <input type="checkbox"/> PETZL LCD Headlamp                         |  |

### Reading/Writing Materials

- |   |  |
|---|--|
| <input type="checkbox"/> Pens (Markers) | <input type="checkbox"/> Notebook      |
| <input type="checkbox"/> Stamps         | <input type="checkbox"/> Envelopes     |
| <input type="checkbox"/> Reading Books  | <input type="checkbox"/> Reading Light |

### Miscellaneous Equipment

- |   |   |
|---|---|
| <input type="checkbox"/> Blouse Bands   | <input type="checkbox"/> Command Vest               |
| <input type="checkbox"/> Jewelry        | <input type="checkbox"/> Chem-Lights                |
| <input type="checkbox"/> Beef Jerky     | <input type="checkbox"/> Sugar Tablets              |
| <input type="checkbox"/> Salt Tablets   | <input type="checkbox"/> Leatherman/K-Bar           |
| <input type="checkbox"/> Canteen (2 qt) | <input type="checkbox"/> Duct Tape                  |
| <input type="checkbox"/> Flagging Tape  | <input type="checkbox"/> Spray Paint (Highway Type) |
| <input type="checkbox"/> Zip Lock Bags  | <input type="checkbox"/> ICS Package                |
| <input type="checkbox"/> Camel Back     | <input type="checkbox"/> Zip Ties                   |
| <input type="checkbox"/> Compass        | <input type="checkbox"/> Reading Material           |
| <input type="checkbox"/> Bobby Pins     | <input type="checkbox"/> Safety Pins                |
| <input type="checkbox"/> Push Pins      |   |

### Final Recommendations

- |   |   |
|---|---|
| <input type="checkbox"/> Cancel/postpone Meetings/Engagements | <input type="checkbox"/> Notify Personal Friends/Family |
|---|---|

## **5.4 Deployment of Resources**

### **Critical Concepts**

Critical to the success of this deployment plan is the concept of an efficient timeframe for deployment. In concert with this concept, it is critical that all resources deployed are adequately documented and tracked. All responding equipment is required to report to the designated Reception Area.

### **Immediate Deployment**

Immediate deployment of resources anticipates a direct response to the scene of the disaster. Typically, an Immediate Deployment is not envisioned under the Plan, however such an event may occur and require a response under the Plan. Emergencies conducted under the MABAS-WI system are typically immediate in nature and envision a limited time of assistance. Unless otherwise stated, the anticipated duration of the deployment will be less than twenty-four (24) hours.

### **Sustained Deployment**

Deployment of resources shall be within four (4) hours of notification. Anticipated deployment under a sustained response may be expected to exceed twenty-four (24) hours. All personnel responding on a Sustained Deployment are required to be self-supporting for up to seventy-two (72) hours. Sustained deployment of personnel shall not exceed three (3) days, inclusive of travel days.

### **EMAC Deployment**

Deployment of resources shall be within twenty-four (24) hours of notification. The working deployment is fourteen (14) days excluding travel time in each direction. All personnel responding on an EMAC Deployment are required to be self-supporting for up to seventy-two (72) hours. The maximum time of an EMAC Deployment shall not exceed sixteen (16) days.

### **Self-Dispatching**

Fire Department units and/or individuals shall not self-dispatch to a Plan activation. To ensure proper dispatch procedures and to maintain security of the incident, a 'security access code' shall be issued to responders by the authorized Response Control Center. The incident password/pass-code shall remain confidential throughout the incident. Units or individuals that cannot provide the security access code shall not be utilized at the incident and will be directed to return to their respective communities. It will be the position of MABAS-WI to take aggressive action to insure that such resources are not utilized by denying logistical support, funding, and reimbursement to self-dispatched units or personnel.

### **Code of Conduct**

This Code of Conduct establishes a standard of good conduct governing the behavior of all personnel responding under the Plan. The conduct of each deployed member reflects upon their team, the sponsoring agency, State of Wisconsin, and the fire service as a whole. Behavior that fails to meet acceptable standards of conduct will result in removal of the member or team from the response area and immediate demobilization. Where rules of aiding resource and stricken jurisdiction are in conflict, the most restrictive rule shall apply.

## **Agency Responsibilities**

As a member of MABAS-WI and the Aiding Unit agency, resources have the responsibility to adhere to the following:

- Sponsoring agencies should train each deployed member of their sponsoring agency's rules, regulations, policies and procedures and this general Code of Conduct.
- It is the responsibility of the MABAS-WI to reinforce the Code of Conduct during all planning sessions, team meetings and briefings, and to monitor compliance.
- It is the afflicted agencies responsibility to inform the responding entity of established rules, regulations, policies and procedures.

## **Individual Responsibilities**

As a basic guide, members will base all actions and decisions on the ethical, moral and legal consequences of those actions. It is in this manner that positive and beneficial outcomes will prevail in all events. All responding members will abide by this basic code of conduct:

- Behave honestly and with integrity;
- Act with care and diligence;
- Treat everyone with respect and without harassment, victimization or discrimination;
- Comply with the laws of the sponsoring and afflicted jurisdiction where applicable;
- Uphold the basic principles of good conduct;
- Comply with all sponsoring and afflicted agency policies, procedures & instructions;
- Maintain confidentiality;
- Avoid and disclose conflicts of interest, including the acceptance or offer of bribes, gratuity, or favor;
- Use assigned and issued resources in a proper manner, and do not obtain them fraudulently, use them inappropriately, or waste them needlessly;
- Do not provide false or misleading information;
- Do not improperly use information, status, power or authority; and
- Do not behave in a way that brings discredit on the person, unit, community, or the fire service.

## **Documentation**

Teams or vehicles responding under this Plan are to be equipped with the following:

Copies of all ICS forms are available at <http://fema.gov> or <http://wiesponder.com>. Appropriate ICS forms per the incident must be completed.

All responding personnel are required to utilize and complete ICS Form 214.

All responding personnel are required to utilize and complete a MABAS-WI Emergency Contact Form.

Proof of insurance for each vehicle deployed.

Copy of basic vehicle information/apparatus inventories.

### **Demobilization**

The Incident Commander shall conduct demobilization of the resources as part of the deactivation of requested resources. Each company/unit officer is responsible to ensure that all personnel, equipment and apparatus are accounted for prior to leaving the incident location. (See Demobilization Form, ICS Form 221)

Prior to leaving the incident each company/unit officer shall checkout with the Incident Commander, Logistics Section Resource Unit Leader, or designated representative.

## 5.5 Logistical Support

The logistical support of mutual aid resources is critical in the management of an emergency incident. It is believed a tiered resource response will be necessary in most large-scale emergencies. It is a fundamental assumption that this logistical support will be established as soon as possible. It is also understood that unless and until this responsibility is formally transferred to another willing agency, the responsibility to maintain this logistical support stays with the agency requesting the resources.

The size of the response sent to the area, the severity of the disaster, the extent of the area involved, and the infrastructure that is still functional within the affected area, will ultimately determine the extent to which logistical support is required and the resource's ability to re-supply. Considerations for logistical support are outlined in the table below.

Logistical Support Category	Considerations
Transportation	<ul style="list-style-type: none"> <li><input type="checkbox"/> Staging areas, within &amp; outside the disaster area</li> <li><input type="checkbox"/> Overnight storage for vehicles</li> <li><input type="checkbox"/> Maps and directions for responding personnel</li> <li><input type="checkbox"/> Emergency towing and repairs</li> <li><input type="checkbox"/> Designating fuel, oil, and water depots</li> </ul>
Food supplies & preparation	<ul style="list-style-type: none"> <li><input type="checkbox"/> Self contained mobile food preparation units</li> <li><input type="checkbox"/> Personnel to prepare/distribute meals</li> <li><input type="checkbox"/> Sanitation and clean up</li> <li><input type="checkbox"/> Food supplies/utensils</li> </ul>
Overnight shelter & rehabilitation areas	<ul style="list-style-type: none"> <li><input type="checkbox"/> Provide suitable (secure) overnight shelter</li> <li><input type="checkbox"/> Environmental considerations (rain, sun/heat, insects)</li> <li><input type="checkbox"/> Bedding</li> <li><input type="checkbox"/> Transportation to and from shelter</li> <li><input type="checkbox"/> Parking and security of apparatus</li> <li><input type="checkbox"/> Electricity/generator power</li> <li><input type="checkbox"/> Water and sanitary facilities</li> <li><input type="checkbox"/> Communications links (in/out of disaster area)</li> </ul>
Critical Incident Stress Debriefing (CISD)	
Affected worker support/assistance	

## **5.6 Force Protection**

Protection of responders will be coordinated with ESF 13 (Public Safety and Security) based on the nature of the mission and extent of risk to those responders. The Wisconsin State Patrol has been designated to provide protection for the Plan resources en route from the Mustering Point to the Reception Area. The Local and County law enforcement agencies will be expected to provide the necessary security/protection for responders while performing requested activities and at base camp locations. This protection shall include but not be limited to:

- Protection of personnel and equipment while en route to the Reception Area
- Perimeter and access security to the incident area
- Security at the Base of Operations
- Protection during search & rescue operations
- Protection during EMS triage, treatment and transport operations
- Protection during fire operations
- Detainment of self-dispatched apparatus and personnel

The primary mission of the force protection resources is to assess and detect hostile activity before it becomes a risk to operations. The law enforcement officer must assess, evaluate, and then advise incident command or the senior operations officer, regarding risk associated with criminal or hostile individuals or groups.

All security, incident status, risk information, and press releases will directed to and disseminated from the Incident Public Information Officer (PIO).

## 6. Communications

### 6.1 State Radio Frequencies

The following is the proposed MABAS Wisconsin Frequency priority list. We would suggest starting at the top and working your way down the list putting as many frequencies as possible in your radios. Each individual radio will dictate how many channels can be programmed. Sixteen channel radios should make every effort to include the eight MABAS Channels plus as many MARC channels as possible.

Frequency	Local Name	CTCSS TONES	National Name	Purpose
154.2650 MHz	IFERN	210.7	VFIRE22	Mutual Aid Base/Mobile Dispatch
153.8300 MHz	FG RED	69.3	N/A	Fireground Operations
154.2800 MHz	FG WHITE	74.4	VFIRE21	Fireground Operations
154.2950 MHz	FG BLUE	85.4	VFIRE23	Fireground Operations
153.8375 MHz	FG GOLD	91.5	N/A	Fireground Operations
154.2725 MHz	FG BLACK	94.8	VFIRE24	Fireground Operations
154.2875 MHz	FG GRAY	136.5	VFIRE25	Fireground Operations
154.3025 MHz	IFERN2	67.0	VFIRE26	Alternate Mutual Aid Base/Mobile
155.1600 MHz	NATSAR	127.3	N/A	Search & Rescue/Mobile
151.2800 MHz	MARC2	71.9	N/A	Interagency Tactical Operations
154.0100 MHz	MARC3	71.9	N/A	Interagency Tactical Operations
154.1300 MHz	MARC4	82.5	N/A	Interagency Tactical Operations

It remains the responsibility of the requesting jurisdiction to make arrangements for effective communication. Plain language for all voice transmissions shall be utilized.

WEM does have a cache of communication equipment available for emergency response. The cache includes a mobile command post with ACU 1000 (cross patch) capability, portable repeater system and antenna, and portable radio equipment.

The following repeated radio frequency is identified for interagency tactical operations:

<b>Frequency</b>	<b>Local Name</b>	<b>CTCSS TONES</b>	<b>National Name</b>	<b>Purpose</b>
RX 151.2800 TX 153.8450 MHz	MARC1 (R)	136.5	N/A	Wide Area Interagency Tactical Operations

## **6.2 Emergency Medical Services Communications**

In accordance with Wisconsin Department of Health and Family Services (DHFS) administrative rules, all ambulances shall have VHF high band capabilities on all of the statewide EMS frequencies.

<b>Frequency (MHz)</b>	<b>Tone (Hz)</b>	<b>Name</b>
155.2800	DPL 156	EMS C
155.3400	DPL 156	EMS B
155.4000	DPL 156	EMS A

## 7. Incident Command

### 7.1 Assessment

- What are the Conditions? Actions? Needs?
- What are the needs?
  - Who are they?
  - What do they want?
  - Who/what are they connected to?
  - What/who is our Management Staff connection to customers?
- What is at risk?
- What is the applied Risk Management profile at this incident? Immed/Inter/Long
- What is our resource status?
  - Fire fighters, MS? #, duration, later increments
  - Other FDs
  - Customer self help
  - Customer - neighbors
  - Customer - contractors
  - Coverage plan for effected Fds
  - Logistics indigenous/in the pipe line/available
- Who has the jurisdictional responsibility for this incident?
- Current Assumptions – Strategic (MS), tactical (crews)
- Current Actions:
  - Strategy, strategic goals, tactical objectives and tactics?
  - Effectiveness? How to improve?
  - Efficiency? How to improve?
- Who are we connected to in relation to outcomes/hazards?

### 7.2 Outcome Forecast

- How do we get our neighbors (FDs) home?
- How do we get home?
- How do we get customer referred/handed off (NGOs)/stabilized?
- Intervention options - Immediate/intermediate/long term assumptions/impacts
- What are our strategic goals and what are our strategy options?

- What objectives can we effect?
- Tactical requirements to do objectives?
- What resources do we have to work with?
- Risk Management Profile for options from no intervention to Maximum intervention
- What is do-able (positive outcomes/influences) with what we have available?
- Is there a role for a responsible private individual (owner/contractor etc.) in this incident?
- Can we reach agreement with them about alternatives and preferred alternative?
- How effects FFs
- How effects customers
- How effects routine service delivery(us and neighbor FDs)
- How are we living with a bad situation?
- What is the highest value we can get for the time fire fighters are going to spend here?

### **7.3 Command Plan for Incident**

- What are the challenges and verify time frames for this escalated incident?
- Who will challenge and verify? When?
- What is the command helper plan for this incident?
- Have we conferred with every available management staff? Recently? Fully informed?
- Have we called (phone)/talked to every member to see how they can contribute to the plan?
- Is there a person responsible for this incident?
- What is the standard logistics plan for this incident?
- Drinking water? Sanitation? Food? Shelter?
- Communications? Fuel? Transportation? Coverage? Relief?
- Rehab (med)?
- What is the sustainable water supply plan for the extended
- Operation?
- History of long duration:
- Any event with ongoing operations at the 1 hour elapsed time Mark.

- USFS calls with a smoke/fire in the National Forest and asks for Help.
- Hay stack fire / Buried slash pile/ Tire fires.
- House fires that don't respond to offensive operations within 20 minutes.
- Response to a mutual aid extended/escalated operation.
- Out of county dispatches (first crew back home at alarm time plus 12 hours)
- Road blockage, serious, need heavy equipment.

## 7.4 Standard IC to “Arriving Help Briefing”

Your direct supervisor is:	
You directly supervise:	
Out customer is:	
Communications: first call, immediate answer (in-out-up-down-side)	
Area of Operation	
Adjacent forces	
Staging	
Base of Operations	
Affirm risk mgmt plan	
Logistical support – how	
Logistical support – what	
Service interruption time line – push-pull; rally plan – trip wires, locations, comm plan x3, updated	
Check in – demob	
Tracking: who, where, when, what	
Map information	
Escape routes	
Safety zones	
Thresholds/decision points	

Local issues – emerging, ongoing, historical, sensitive points	
Planning cycle – strategy, planning, briefing, gather intel	
Operations cycle – when are you going to start & stop working?	
Known local contacts in area of operation	
Hazards in area of operation (known)	
Hazards in area of operation (suspected)	
Historical hazard behavior prediction	
Record personnel time equipment time, purchases	
Incident name, print your name, organization name, date & time	

# SECTION II: ICS

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## 8. Common Responsibilities

The following is a checklist applicable to all ICS personnel:

- Receive assignment from your agency, including:
  - Job assignment, e.g., Strike Team designation, overhead position, etc.
  - Resource order number and incident number.
  - Reporting location.
  - Reporting time.
  - Travel instructions.
  - Any special communications instructions, e.g., travel frequency.
- Upon arrival at the incident, check in at designated Check-in location, Check-in may be found at:
  - Incident Command Post.
  - Base or camps.
  - Staging Areas.
  - Helibases.
  - If you are instructed to report directly to a line assignment, check in with the Division/Group Supervisor.
- Receive briefing from immediate supervisor.
  - Acquire work materials.
  - Supervisors shall maintain accountability of their assigned personnel as to exact location(s), personal safety, and welfare at all times, especially when working in or around incident operations.
  - Organize and brief subordinates.
  - Know your assigned frequency(s) for your area of responsibility and ensure that communication equipment is operating properly.
  - Use clear text and ICS terminology (no codes) in all radio communications. All radio communications to the Incident Communications Center will be addressed: "(Incident Name) Communications" e.g., "Webb Communications."
  - Complete forms and reports required of the assigned position and send through supervisor to Documentation Unit.

- Respond to demobilization orders and brief subordinates regarding demobilization.

## **8.1 Unit Leader Responsibilities In ICS**

A number of the Unit Leader's responsibilities are common to all units in all parts of the organization. Common responsibilities of Unit Leaders are listed below. These will not be repeated in Unit Leader Position Checklists in subsequent chapters.

- Participate in incident planning meetings, as required.
- Determine current status of unit activities.
- Confirm dispatch and estimated time of arrival of staff and supplies.
- Assign specific duties to staff; supervise staff.
- Develop and implement accountability, safety and security measures for personnel and resources.
- Supervise demobilization of unit, including storage of supplies.
- Provide Supply Unit Leader with a list of supplies to be replenished.
- Maintain unit records, including Unit/Activity Log (ICS Form 214).

## 9. Personnel Incident Safety And Accountability Guidelines

### 9.1 Introductions

In 1987 the National Fire Protection Association adopted NFPA 1500, Standard on Fire Department Occupational Safety and Health Program. This standard was revised in 1997 and is a broad-based national standard which addresses firefighting safety in fire ground operations, as well as a number of other important issues. NFPA Standard 1561 has been revised several times and establishes guidelines for Fire Department Incident Managements Systems.

This and many other national safety standards are important issues adopted for personnel accountability at the scene of emergencies. Personnel Incident Safety and Accountability Guidelines provide additional personnel safety measures, emergency announcements, and accountability into the Incident Command System (ICS) to ensure compliance with state and national safety standards

The National Standards contain specific requirements regarding accountability of members that include but are not limited to the following:

### 9.2 Personnel Emergencies

The Term “EMERGENCY TRAFFIC” shall be used to clear radio traffic. Clear text shall be used to identify the type of emergency “PERSONNEL DOWN”, “PERSONNEL MISSING,” or “PERSONNEL TRAPPED,” etc.

NOTE: Specific terms such as Officer and/or Firefighter may be used.

Other guidelines for “EMERGENCY TRAFFIC” include:

- A distinctive “EMERGENCY TRAFFIC” tone transmitted by a Dispatch Center on designated channel(s) followed by clear text that identifies the type of emergency, i.e. “PERSONNEL DOWN”, “PERSONNEL MISSING”, or “PERSONNEL TRAPPED”.
- The Dispatch Center OR On Scene incident Command should broadcast “EMERGENCY TRAFFIC” Radio Tone and verbal notification of “PERSONNEL DOWN”, “PERSONNEL MISSING”, or “PERSONNEL TRAPPED” etc., on designated channels.
- Initiate rescue action plan assigned by the Incident Commander.
- Monitor designated radio channel(s) during rescue operations.

In the initial stages of an incident where only one team is operating in the hazardous area at a working Incident, a minimum of four individuals is required, consisting of two individuals working as a team in the hazard area and two individuals present outside this hazard area for assistance or rescue at emergency operations where entry into the danger area is required. The standby members shall be responsible for maintaining a constant awareness of the number and identity of members operating in the hazardous area, their location and

function, and time of entry. The standby members shall remain in radio, visual, voice or signal line communications with the team (NFPA 1500 6-4.4).

The assembling of four members of the initial entry can be accomplished in many ways. The jurisdictions should determine the manner in which they plan to assemble members in their response plan.

Initial entry operations shall be organized to ensure that, if upon arrival at the emergency scene, initial personnel that find an imminent life-threatening situation which immediate action could prevent the loss of life or serious injury, such action shall be permitted with less than four personnel when conducted in accordance with National Safety Standards . No exception shall be permitted when there is no possibility to save lives. Any such actions taken in accordance with this section shall be thoroughly investigated by the department.

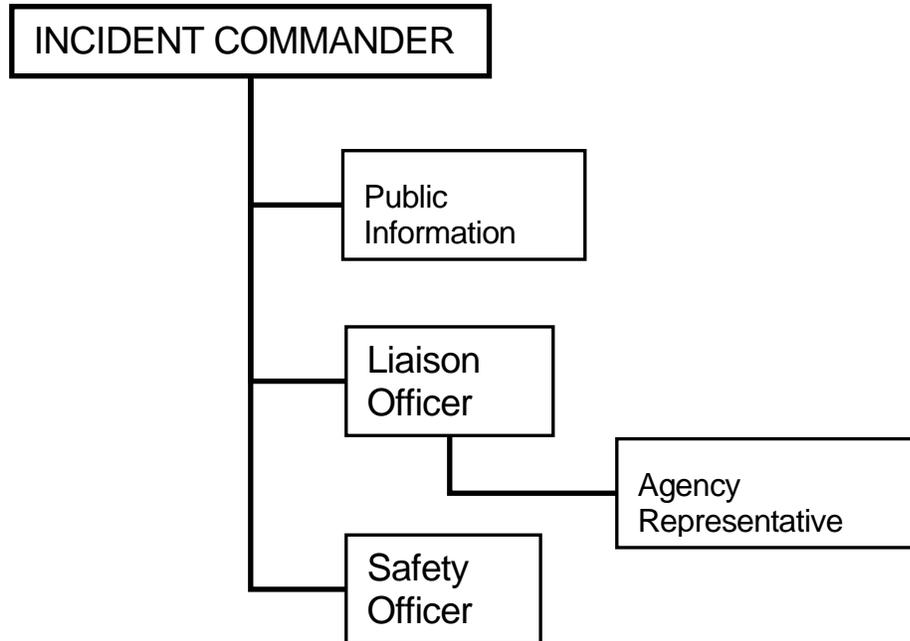
### **9.3 Operational Retreat Policy**

In addition to radio traffic requiring evacuation, the following standardized audible signal can be used to indicate evacuation.

The **EVACUATION SIGNAL** will consist of repeated short blasts of the air horn for approximately 10 seconds, followed by 10 seconds of silence. This sequence of air horn blasts for 10 seconds followed by a 10 second period of silence will be done three times; total air horn evacuation signal including periods of silence will last 50 seconds. The Incident Commander shall designate specific apparatus to sound the evacuation signal using air horns. This should be done in conjunction with the radio announcement of "EMERGENCY TRAFFIC", with direction for emergency scene personnel to evacuate the hazard area.

The Dispatch Center should continue to advise the Incident Commander of the elapsed time at each additional 15-minute interval, or until canceled by the IC or until the incident is declared under control., i.e., knockdown.

**10.1 Organization Chart**



**10.2 Position Checklists**

**10.2.1. Incident Commander**

The Incident Commander's responsibility is the overall management of the incident. On most incidents the command activity is carried out by a single Incident Commander. The Incident Commander is selected by qualifications and experience.

The Incident Commander may have a deputy, who may be from the same agency, or from an assisting agency. Deputies may also be used at section and branch levels of the ICS organization. Deputies must have the same qualifications as the person for whom they work as they must be ready to take over that position at any time.

- Review Common Responsibilities (section 9)
- Assess the situation and/or obtain a briefing from the prior Incident Commander.
- Determine Incident Objectives and strategy.
- Establish the immediate priorities.
- Establish an Incident Command Post.
- Establish an appropriate organization.
- Ensure planning meetings are scheduled as required.

- Approve and authorize the implementation of an Incident Action Plan.
- Ensure that adequate safety measures are in place.
- Coordinate activity for all Command and General Staff.
- Coordinate with key people and officials.
- Approve requests for additional resources or for the release of resources.
- Keep agency administrator informed of incident status.
- Approve the use of trainees, volunteers, and auxiliary personnel.
- Authorize release of information to the news media.
- Ensure Incident Status Summary (ICS Form 209) is completed and forwarded to appropriate higher authority.
- Order the demobilization of the incident when appropriate.

***10.2.2. Public Information Officer***

The Public Information Officer is responsible for developing and releasing information about the incident to the news media, to incident personnel, and to other appropriate agencies and organizations.

Only one Public Information Officer will be assigned for each incident, including incidents operating under Unified Command and multi-jurisdiction incidents. The Information Officer may have assistants as necessary, and the assistants may also represent assisting agencies or jurisdictions.

Agencies have different policies and procedures relative to the handling of public information. The following are the major responsibilities of the Public Information Officer which would generally apply on any incident:

- Review Common Responsibilities (section 9).
- Determine from the Incident Commander if there are any limits on information release.
- Develop material for use in media briefings.
- Obtain Incident Commander's approval of media releases.
- Inform media and conduct media briefings.
- Arrange for tours and other interviews or briefings that may be required.
- Obtain media information that may be useful to incident planning.
- Maintain current information summaries and/or displays on the incident and provide information on status of incident to assigned personnel.
- Maintain Unit/Activity Log (ICS Form 214).

### **10.2.3. Liaison Officer:**

Incidents that are multi-jurisdictional, or have several agencies involved, may require the establishment of the Liaison Officer position on the Command Staff.

Only one Liaison Officer will be assigned for each incident, including incidents operating under Unified Command and multi-jurisdiction incidents. The Liaison Officer may have assistants as necessary, and the assistants may also represent assisting agencies or jurisdictions. The Liaison Officer is the contact for representatives of the personnel assigned to the incident by assisting or cooperating agencies. These are personnel other than those on direct tactical assignments or those involved in a Unified Command.

- Review Common Responsibilities (section 9).
- Be a contact point for Agency Representatives.
- Maintain a list of assisting and cooperating agencies and Agency Representatives.
- Assist in establishing and coordinating interagency contacts.
- Keep agencies supporting the incident aware of incident status.
- Monitor incident operations to identify current or potential inter-organization problems.
- Participate in planning meetings, providing current resource status, including limitations and capability of assisting agency resources.
- Maintain Unit/Activity Log (ICS Form 214).

### **10.2.4. Agency Representatives**

In many multi-jurisdiction incidents, an agency or jurisdiction will send a representative to assist in coordination efforts.

An Agency Representative is an individual assigned to an incident from an assisting or cooperating agency who has been delegated authority to make decisions on matters affecting that agency's participation at the incident. Agency Representatives report to the Liaison Officer, or to the Incident Commander in the absence of a Liaison Officer.

- Review Common Responsibilities (section 9).
- Ensure that all agency resources are properly checked in at the incident.
- Obtain briefing from the Liaison Officer or Incident Commander.
- Inform assisting or cooperating agency personnel on the incident that the Agency Representative position for that agency has been filled.
- Attend briefings and planning meetings as required.
- Provide input on the use of agency resources unless resource technical specialists are assigned from the agency.

- Cooperate fully with the Incident Commander and the General Staff on agency involvement at the incident.
- Ensure the well-being of agency personnel assigned to the incident.
- Advise the Liaison Officer of any special agency needs or requirements.
- Report to home agency dispatch or headquarters on a prearranged schedule.
- Ensure that all agency personnel and equipment are properly accounted for and released prior to departure.
- Ensure that all required agency forms, reports and documents are complete prior to departure.
- Have a debriefing session with the Liaison Officer or Incident Commander prior to departure.

### ***10.2.5. Safety Officer***

The Safety Officer's function is to develop and recommend measures for assuring personnel safety, and to assess and/or anticipate hazardous and unsafe situations.

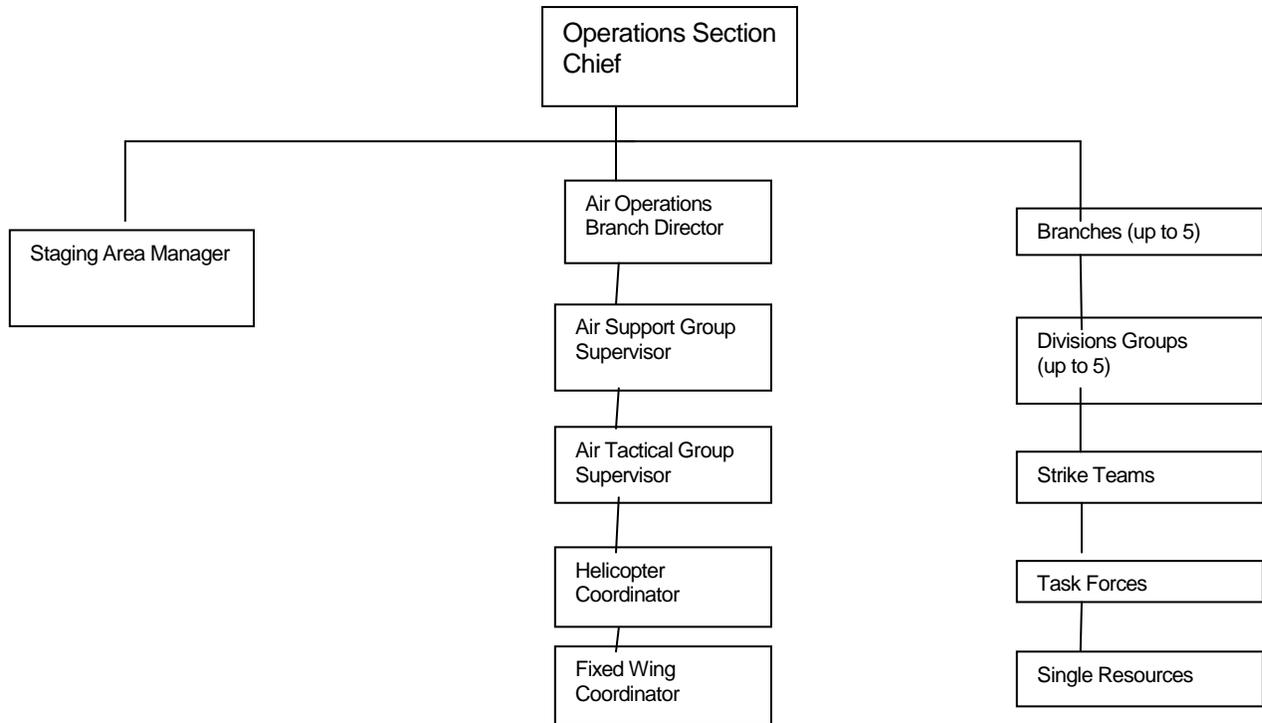
Only one Safety Officer will be assigned for each incident. The Safety Officer may have assistants as necessary, and the assistants may also represent assisting agencies or jurisdictions. Safety assistants may have specific responsibilities such as air operations, hazardous materials, etc.

- Review Common Responsibilities (section 9).
- Participate in planning meetings.
- Identify hazardous situations associated with the incident.
- Review the Incident Plan for safety implications.
- Exercise emergency authority to stop and prevent unsafe acts.
- Investigate accidents that have occurred within the incident area.
- Assign assistants as needed.
- Review and approve the medical plan.
- Develop Hazardous Materials Site Safety Plan (ICS Form 208) as required.
- Maintain Unit/Activity Log (ICS Form 214).

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## 11. Operations Section

### 11.1 Sample Organizational Chart



### 11.2 Position Checklists

#### 11.2.1. Operations Section Chief

The Operations Section Chief, a member of the General Staff, is responsible for the management of all operations directly applicable to the primary mission. The Operations Chief activates and supervises organization elements in accordance with the Incident Action Plan and directs its execution. The Operations Chief also directs the preparation of unit operational plans, requests or releases resources, make expedient changes to the Incident Action Plan as necessary; and reports such to the Incident Commander.

- Review Common Responsibilities (section 9).
- Develop operations portion of Incident Action Plan.
- Brief and assign Operations Section personnel in accordance with Incident Action Plan.
- Supervise Operations Section.
- Determine need and request additional resources.
- Recommendation for release of resources.
- Assemble and disassemble strike teams assigned to Operations Section.

- Report information about special activities, events, and occurrences to Incident Commander.
- Maintain Unit/activity Log (ICS Form 214). Review suggested list of resources to be Released And Initiate

### **11.2.2. Branch Director**

The Branch Directors when activated, are under the direction of the Operations Section Chief, and are responsible for the implementation of the portion of the Incident Action Plan appropriate to the Branches.

- Review Common Responsibilities (section 9).
- Develop with subordinates alternatives for Branch control operations.
- Attend planning meetings at the request of the Operations Section Chief.
- Review Division/Group Assignment Lists (ICS Form 204) for Divisions/Groups within Branch. Modify lists based on effectiveness of current operations.
- Assign specific work tasks to Division/Group Supervisors.
- Supervise Branch operations.
- Resolve logistic problems reported by subordinates.
- Report to Operations Section Chief when: Incident Action Plan is to be modified; additional resources are needed; surplus resources are available; hazardous situations or significant events occur.
- Approve accident and medical reports (home agency forms) originating within the Branch.
- Maintain Unit/Activity Log (ICS Form 214).

### **11.3 Division/Group Supervisor**

The Division/Group Supervisor reports to the Operations Section Chief (or Branch Director when activated). The Supervisor is responsible for the implementation of the assigned portion of the Incident Action Plan, assignment of resources within the Division/Group, and reporting on the progress of control operations and status of resources within the Division/Group.

- Review Common Responsibilities (section 9).
- Implement Incident Action Plan for Division/Group.

- Provide Incident Action Plan to Strike Team Leaders, when available.
- Identify increments assigned to the Division/Group.
- Review Division/Group assignments and incident activities with subordinates and assign tasks.
- Ensure that Incident Communications and/or Resources Unit is advised of all changes in status of resources assigned to the Division/Group.
- Coordinate activities with adjacent Divisions/Groups.
- Determine need for assistance on assigned tasks.
- Submit situation and resources status information to Branch Director or Operations Section Chief.
- Report hazardous situations, special occurrences, or significant events (e.g., accidents, sickness) to immediate supervisor.
- Ensure that assigned personnel and equipment get to and from assignments in a timely and orderly manner.
- Resolve logistics problems within the Division/Group.
- Participate in the development of Branch plans for next operational period.
- Maintain Unit/Activity Log (ICS Form 214).

### **11.3.1. Strike Team/Task Force Leader**

The Strike Team/Task Force Leader reports to a Division/Group Supervisor and is responsible for performing tactical assignments assigned to the Strike Team or Task Force. The Leader reports work progress, resources status, and other important information to a Division/Group Supervisor, and maintains work records on assigned personnel.

- Review Common Responsibilities (section 9).
- Review assignments with subordinates and assign tasks.
- Monitor work progress and make changes when necessary.
- Coordinate activities with adjacent strike teams, task forces and single resources.
- Travel to and from active assignment area with assigned resources.
- Retain control of assigned resources while in available or out-of-service status.

- Submit situation and resource status information to Division/Group Supervisor.
- Maintain Unit/Activity Log (ICS Form 214).

### **11.3.2. Single Resource**

The person in charge of a single tactical resource will carry the unit designation of the resource.

- Review Common Responsibilities (section 9).
- Review assignments.
- Obtain necessary equipment/supplies.
- Review weather/environmental conditions for assignment area.
- Brief subordinates on safety measures.
- Monitor work progress.
- Ensure adequate communications with supervisor and subordinates.
- Keep supervisor informed of progress and any changes.
- Inform supervisor of problems with assigned resources.
- Brief relief personnel, and advise them of any change in conditions.
- Return equipment and supplies to appropriate unit.
- Complete and turn in all time and use records on personnel and equipment.

### **11.3.3. Staging Area Manager**

The Staging Area Manager is responsible for managing all activities within a Staging Area.

- Review Common Responsibilities (section 9).
- Proceed to Staging Area.
- Establish Staging Area layout.
- Determine any support needs for equipment, feeding, sanitation and security.
- Establish check-in function as appropriate.
- Post areas for identification and traffic control.
- Request maintenance service for equipment at Staging Area as appropriate.
- Respond to request for resource assignments. (Note: This may be direct from Operations Section or via the Incident Communications Center).

- Obtain and issue receipts for radio equipment and other supplies distributed and received at Staging Area.
- Determine required resource levels from the Operations Section chief.
- Advise the Operations Section Chief when reserve levels reach minimums.
- Maintain and provide status to Resource Unit of all resources in Staging Area.
- Maintain Staging Area in orderly condition.
- Demobilize Staging Area in accordance with Incident Demobilization Plan.
- Maintain Unit/Activity Log (ICS Form 214).

#### **11.3.4. Air Operations Branch Manager**

The Air Operations Branch Director, who is ground based, is primarily responsible for preparing the air operations portion of the Incident Action Plan. The plan will reflect agency restrictions that have an impact on the operational capability or utilization of resources (e.g., night flying, hours per pilot). After the plan is approved, Air Operations is responsible for implementing its strategic aspects—those that relate to the overall incident strategy as opposed to those that pertain to tactical operations (specific target selection).

Additionally, the Air Operations Branch Director is responsible for providing logistical support to helicopters operating on the incident. Specific tactical activities (target selection, suggested modifications to specific tactical actions in the Incident Action Plan) are normally performed by the Air Tactical Group Supervisor working with ground and air resources.

- Review Common Responsibilities (section 9).
- Organize preliminary air operations.
- Request declaration (or cancellation) of restricted air space area, (FAA Regulation 91.137).
- Participate in preparation of the Incident Action Plan through Operation Section Chief. Insure that the Air Operations portion of the Incident Action Plan takes into consideration the Air Traffic Control requirements of assigned aircraft.
- Perform operational planning for air operations.
- Prepare and provide Air Operations Summary Worksheet (ICS Form 220) to the Air Support Group and Fixed-Wing Bases.
- Determine coordination procedures for use by air organization with ground Branches, Divisions or Groups.
- Supervise all Air Operations activities associated with the incident.

- Evaluate helibase locations.
  - Establish procedures for emergency reassignment of aircraft.
  - Schedule approved flights of non-incident aircraft in the restricted air space area.
  - Coordinate with Operations Coordination Center (OCC) through normal channels on incident air operations activities.
  - Inform the Air Tactical Group Supervisor of the air traffic situation external to the incident.
  - Consider requests for non-tactical use of incident aircraft.
  - Resolve conflicts concerning non-incident aircraft.
  - Coordinate with Federal Aviation Administration (FAA).
  - Update air operations plans.
  - Report to the Operations Section Chief on air operations activities.
  - Report special incidents/accidents.
  - Arrange for an accident investigation team when warranted.
  - Maintain Unit/Activity Log (ICS Form 214).

### **11.3.5. Air Tactical Group Supervisor**

The Air Tactical Group Supervisor is primarily responsible for the coordination of aircraft operations when fixed and/or rotary-wing aircraft are operating on an incident. These coordination activities are performed by the Air Tactical Group Supervisor while airborne. The Air Tactical Group Supervisor reports to the Air Operations Branch Director.

- Review Common Responsibilities (section 9).
- Determine what aircraft (air tankers and helicopters) are operating within area of assignment.
- Manage air tactical activities based upon Incident Action Plan.
- Establish and maintain communications and Air Traffic Control with pilots, Air Operations, Helicopter Coordinator, Air Tanker/Fixed Wing Coordinator, Air Support Group (usually Helibase Manager), and fixed wing support bases.
- Coordinate approved flights of non-incident aircraft or non-tactical flights in restricted air space area.
- Obtain information about air traffic external to the incident.
- Receive reports of non-incident aircraft violating restricted air space area.
- Make tactical recommendations to approved ground contact (Operations Section Chief, Branch Director, or Division/Group Supervisor).
- Inform Air Operations Branch Director of tactical recommendations affecting the air operations portion of the Incident Action Plan.
- Report on Air Operations activities to the Air Operations Branch Director. Advise Air Operations immediately if aircraft mission assignments are causing conflicts in the Air Traffic Control System.
- Report on incidents/accidents.

### **11.3.6. Helicopter Coordinator**

The Helicopter Coordinator is primarily responsible for coordinating tactical or logistical helicopter mission(s) at the incident. The Helicopter Coordinator can be airborne or on the ground operating from a high vantage point. The Helicopter Coordinator reports to the Air Tactical Group Supervisor. Activation of this position is contingent upon the complexity of the incident and the number of helicopters assigned. There may be more than one Helicopter Coordinator assigned to an incident.

- Review Common Responsibilities (section 9).
- Determine what aircraft (air tankers and helicopters) are operating within incident area of assignment.
- Survey assigned incident area to determine situation, aircraft hazards and other potential problems.
- Coordinate Air Traffic Control with pilots, Air Operations Branch Director, Air Tactical Group Supervisor, Air Tanker/Fixed Wing Coordinator and the Air Support Group (usually Helibase Manager) as the situation dictates.
- Coordinate the use of assigned ground to air and air to air communications frequencies with the Air Tactical Group Supervisor, Communications Unit, or local agency dispatch center.
- Ensure that all assigned helicopters know appropriate operating frequencies.
- Coordinate geographical areas for helicopter operations with Air Tactical Group Supervisor and make assignments.
- Determine and implement air safety requirements and procedures.
- Ensure that approved night flying procedures are in operation.
- Receive assignments, brief pilots, assign missions, and supervise helicopter activities.
- Coordinate activities with Air Tactical Group Supervisor, Air Tanker/Fixed Wing Coordinator, Air Support Group and ground personnel.

- Maintain continuous observation of assigned helicopter operating area and inform Air Tactical Group Supervisor of incident conditions including any aircraft malfunction or maintenance difficulties and anything that may affect the incident.
- Inform Air Tactical Group Supervisor when mission is completed and reassign helicopter as directed.
- Request assistance or equipment as required.
- Report incidents or accidents to Air Operations Branch Director and Air Tactical Group Supervisor immediately.
- Maintain records of activities.

### **11.3.7. Fixed Wing Coordinator**

Fixed Wing Coordinator is primarily responsible for coordinating assigned air tanker operations at the incident. The Coordinator, who is always airborne, reports to the Air Tactical Group Supervisor. Activation of this position is contingent upon the need or upon complexity of the incident.

- Review Common Responsibilities (section 9).
- Determine all aircraft including fixed wing and helicopters operating within incident area of assignment.
- Survey incident area to determine situation, aircraft hazards and other potential problems.
- Coordinate the use of assigned ground to air and air to air communications frequencies with Air Tactical Group Supervisor, Communications Unit or local agency dispatch center and establish air to air radio frequencies.
- Ensure fixed wing know appropriate operating frequencies.
- Determine incident fixed wing capabilities and limitations for specific assignments.
- Coordinate Air Traffic Control with pilots, Air Operations Branch Director, Air Tactical Group Supervisor, Helicopter Coordinator, and Air Support Group (usually Helibase Manager) as the situation dictates.
- Determine and implement air safety requirement procedures.
- Receive assignments, brief pilots, assign missions, and supervise fixed-wing activities.
- Coordinate activities with Air Tactical Group Supervisor, Helicopter Coordinator and ground operations personnel.
- Maintain continuous observation of air tanker operating areas.
- Provide information to ground resources, if necessary.
- Inform Air Tactical Group Supervisor of overall incident conditions including aircraft malfunction or maintenance difficulties.
- Inform Air Tactical Group Supervisor when mission is completed and reassign air tankers as directed.
- Request assistance or equipment as necessary.
- Report incidents or accidents to Air Operations Branch Director immediately.

- Maintain records of activities.

### **11.3.8. Air Support Group Supervisor**

The Air Support Group Supervisor is primarily responsible for supporting and managing helibase and helispot operations and maintaining liaison with fixed-wing air bases. This includes providing 1) fuel and other supplies 2) maintenance and repair of helicopters 3) retardant mixing and loading 4) keeping records of helicopter activity, and 5) providing enforcement of safety regulations. These major functions are performed at helibases and helispots. Helicopters during landing and take-off and while on the ground are under the control of the Air Support Group's Helibase or Helispot Managers. The Air Support Group Supervisor reports to the Air Operations Branch Director.

- Review Common Responsibilities (section 9).
- Obtain copy of the Incident Action Plan from the Air Operations Branch Director including Air Operations Summary Worksheet (ICS Form 220).
- Participate in Air Operations Branch Director planning activities.
- Inform Air Operations Branch Director of group activities.
- Identify resources/supplies dispatched for Air Support Group.
- Request special air support items from appropriate sources through Logistics Section.
- Identify helibase and helispot locations (from Incident Action Plan) or from Air Operations Branch Director.
- Determine need for assignment of personnel and equipment at each helibase and helispot.
- Coordinate special requests for air logistics.
- Maintain coordination with airbases supporting the incident.
- Coordinate activities with Air Operations Branch Director.
- Obtain assigned ground to air frequency for helibase operations from Communications Unit Leader or Incident Radio Communications Plan (ICS Form 205).
- Inform Air Operations Branch Director of capability to provide night flying service.
- Ensure compliance with each agency's operations checklist for day and night operations.
- Ensure dust abatement procedures are implemented at helibase and helispots.

- Provide crash-rescue service for helibases and helispots.
- Ensure that Air Traffic Control procedures are established between Helibase and Helispots and the Air Tactical Group Supervisor, Helicopter Coordinator or Air Tanker/Fixed Wing Coordinator.
- Maintain Unit/Activity Log (ICS Form 214).

**11.3.9. Helibase Manager:**

- Review Common Responsibilities (section 9).
- Obtain Incident Action Plan including Air Operations Summary Worksheet (ICS Form 220).
- Participate in Air Support Group planning activities.
- Inform Air Support Supervisor of helibase activities.
- Report to assigned helibase. Brief pilots and assigned personnel.
- Manage resources/supplies dispatched to helibase.
- Ensure helibase is posted and cordoned.
- Coordinate helibase Air Traffic control with pilots, Air Support Group Supervisor, Air Tactical Group Supervisor, Helicopter Coordinator and the Takeoff and Landing Controller.
- Manage retardant mixing and loading operations.
- Ensure helicopter fueling, maintenance and repair services are provided.
- Supervise manifesting and loading of personnel and cargo.
- Ensure dust abatement techniques are provided and used at helibases and helispots.
- Ensure security is provided at each helibase and helispot.
- Ensure crash-rescue services are provided for the helibase.
- Request special air support items from the Air Support Group Supervisor.
- Receive and respond to special requests for air logistics.
- Supervise personnel responsible to maintain agency records, reports of helicopter activities, and Check-In List (ICS Form 211).
- Coordinate activities with Air Support Group Supervisor.

- Display organization and work schedule at each helibase, including helispot organization and assigned radio frequencies.
- Solicit pilot input concerning selection and adequacy of helispots, communications, Air Traffic Control, operational difficulties, and safety problems.
- Maintain Unit/Activity Log (ICS Form 214).

***11.3.10. Helispot Manager***

- Review Common Responsibilities (section 9).
- Obtain Incident Action Plan including Air Operations Summary Worksheet (ICS Form 220).
- Report to assigned helispot.
- Coordinate activities with Helibase Manager.
- Inform Helibase Manager of helispot activities.
- Manage resources/supplies dispatched to helispot.
- Request special air support items from Helibase Manager.
- Coordinate Air Traffic Control and Communications with pilots, Helibase Manager, Helicopter Coordinator, Air Tanker/Fixed-Wing Coordinator and Air Tactical Group Supervisor when appropriate.
- Ensure crash-rescue services are available.
- Ensure that dust control is adequate, debris cannot blow into rotor system, touchdown zone slope is not excessive and rotor clearance is sufficient.
- Supervise or perform retardant loading at helispot.
- Perform manifesting and loading of personnel and cargo.
- Coordinate with pilots for proper loading and unloading and safety problems.
- Maintain agency records and reports of helicopter activities.

### **11.3.11. Deck Coordinator**

The Deck Coordinator is responsible for providing coordination of a helibase landing area for personnel and cargo movement. The Deck Coordinator reports to the Helibase Manager.

- Review Common Responsibilities (section 9).
- Obtain Air Operations Summary Worksheet (ICS Form 220).
- Establish emergency landing areas.
- Ensure crash/rescue procedures are understood by deck personnel.
- Establish and mark landing pads.
- Ensure sufficient personnel are available to load and unload personnel and cargo safely.
- Ensure deck area is properly posted.
- Provide for vehicle control.
- Supervise deck management personnel. (Load Masters and Parking Tenders)
- Ensure dust abatement measures are met.
- Ensure that all assigned personnel are posted to the daily organization chart.
- Ensure proper manifesting and load calculations are done.
- Ensure Air Traffic Control operation is coordinated with Landing and Takeoff Coordinator.
- Maintain agency records.

### **11.3.12. Loadmaster (Personnel/Cargo)**

The Loadmaster is responsible for the safe operation of loading and unloading of cargo and personnel at a helibase. The Loadmaster reports to the Deck Coordinator.

- Review Common Responsibilities (section 9).
- Obtain Air Operations Summary Worksheet (ICS Form 220).
- Ensure proper posting of loading and unloading areas.
- Perform manifesting and loading of personnel and cargo.
- Ensure sling load equipment is safe.
- Know crash/rescue procedures.
- Supervise loading and unloading crews.
- Coordinate with Takeoff and Landing Controller.

### **11.3.13. Parking Tender**

The Parking Tender is responsible for the takeoff and landing of helicopters at an assigned helicopter pad. The Parking Tender reports to the Deck Coordinator. (A Parking Tender should be assigned for each helicopter pad.)

- Review Common Responsibilities (section 9).
- Supervise activities at the landing pad. (Personnel and helicopter movement, vehicle traffic, etc.)
- Know and understand the crash/rescue procedures.
- Ensure agency checklist is followed.
- Ensure helicopter pilot needs are met at the landing pad.
- Ensure pad is properly maintained (dust abatement, marking, etc.).
- Ensure landing pad is properly marked.
- Check personnel seatbelts, cargo restraints and helicopter doors.

### **11.3.14. Takeoff And Landing Controller**

The Takeoff and Landing Controller is responsible for providing coordination of arriving and departing helicopters at a helibase and all helicopter movement on and around the helibase. The Takeoff and Landing Controller reports to the Helibase Manager.

- Review Common Responsibilities (section 9).
- Obtain Air Operations Summary Worksheet (ICS Form 220).
- Check radio system before commencing operation.
- Coordinate with radio operation on helicopter flight routes and patterns.
- Maintain communications with all incoming and outgoing helicopters.
- Maintain constant communications with radio operator.
- Coordinate with Deck Manager and Parking Tender before commencing operation and during operation.

### **11.3.15. Helibase Radio Operator**

The Helibase Radio Operator is responsible for establishing communication between incident assigned helicopters and helibases, Air Tactical Group Supervisor, Air Operations Branch Director and Takeoff and Landing Controller. The Helibase Radio Operator reports to the Helibase Manager.

- Review Common Responsibilities (section 9).
- Obtain Air Operations Summary Worksheet (ICS Form 220).
- Establish communication needs at helibase.
- Ensure orders from Air Operations Branch Director are relayed to Helibase Manager.
- Maintain constant communications with all helicopters.
- Notify Takeoff/Landing Coordinator of incoming helicopters.
- Verify daily radio frequencies with Helibase Manager.
- Maintain a log of all helicopter takeoff/landings, ETA's, ETD's and flight route check-ins.
- Establish helicopter identification call numbers and post.
- Ensure helicopter timekeeping is completed.
- Establish and enforce proper radio procedures.
- Notify Air Operations Branch Director immediately of any overdue or missing helicopters.
- Understand crash/rescue procedures.
- Receive clearance from Air Tactical Group Supervisor before launching helicopters.

### **11.3.16. Helicopter Timekeeper**

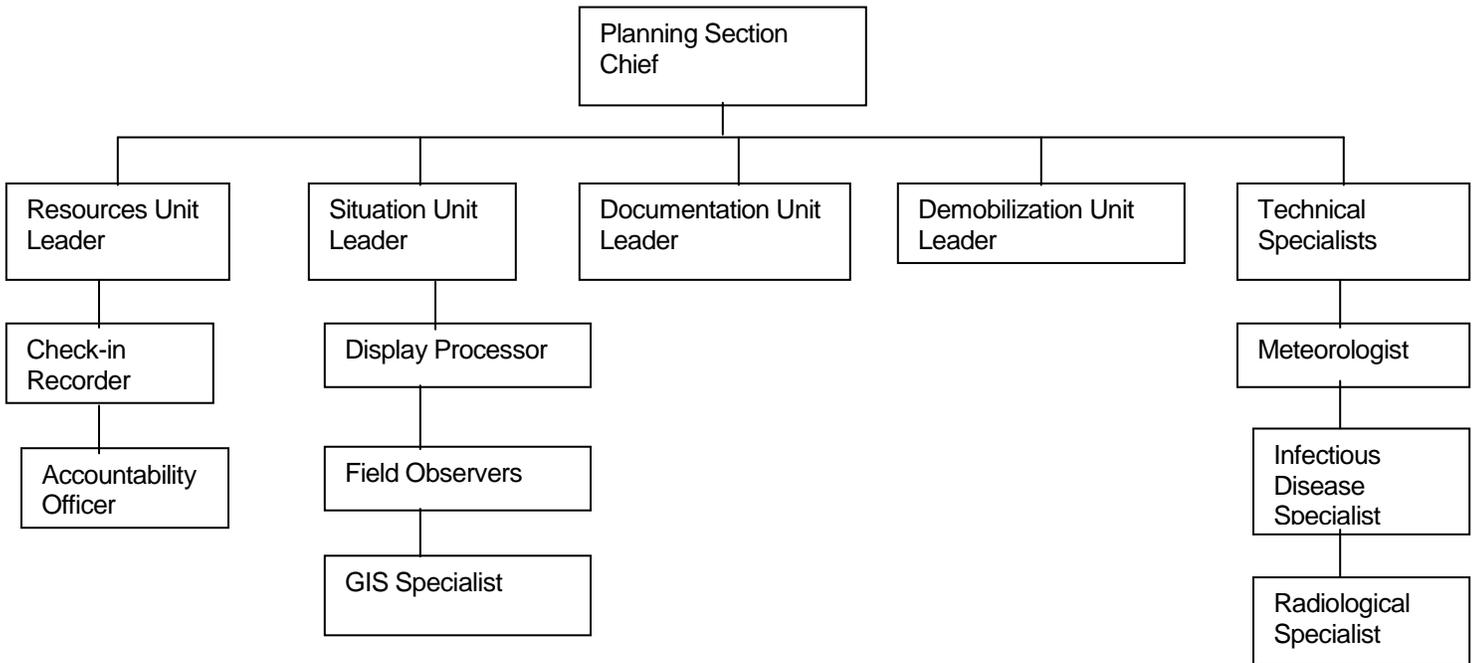
The Helicopter Timekeeper is responsible for keeping time on all helicopters assigned to the helibase. Helicopter Timekeeper reports to the radio operator.

- Review Common Responsibilities (section 9).
- Obtain Air Operations Summary Worksheet (ICS Form 220).
- Determine number of helicopters by agency.
- Determine helicopter time needed by agency.
- Record operation time of helicopters.

- Fill out necessary agency time reports.
- Obtain necessary timekeeping forms.

## 12. Planning Section

### 12.1 Organizational Chart



### 12.2 Planning Process

The checklist below provides basic steps appropriate for use in almost any incident situation. However, not all incidents require written plans and the need for written plans and attachments are based on incident requirements and the decision of the Incident Commander.

The Planning Checklist is intended to be used with the Operational Planning Worksheet (ICS Form 215). The Operations Section Chief should have a draft Operational Planning Worksheet (ICS Form 215) completed prior to the planning meeting.

Incident Objectives and strategy should be established before the planning meeting. For this purpose it may be necessary to hold a strategy meeting prior to the planning meeting.

The Planning Process works best when the incident perimeter and proposed control lines are divided into logical geographical units for planning purposes. The tactics and resources are then determined for each of the planning units and then the planning units are combined into divisions/groups utilizing span-of-control guidelines.

The ICS Form 215A, LCES Safety Analysis, is intended to highlight potential problem areas. The Incident Commander, Command and General Staff would then consider reasonable mitigation actions or select a different strategic or tactical approach. In the following table:

- IC = Incident Commander
- PSC = Planning Section Chief
- OPS = Operations Section Chief
- LSC = Logistics Section Chief
- SO = Safety Officer

CHECKLIST	PRIMARY RESPONSIBILITY
Briefing on situation and resource status	PSC
Set control objectives	IC
Plot control lines, establish division boundaries/ group assignments	OPS
Specify tactics/safety for each division	SO, OPS
Specify resources needed by Division/Group	OPS, PSC
Specify Operations facilities, reporting locations/Plot on map	OPS, PSC, LSC
Place resource and personnel order	LSC
Consider Communications, Medical, Site Safety, and Traffic Plan requirements	SO, PSC, LSC
Finalize, approve and implement Incident Action Plan	PSC, IC, OPS

## **12.3 Position Checklists**

### ***12.3.1. Planning Section Chief***

The Planning Section Chief, a member of the Incident Commander's General Staff, is responsible for the collection, evaluation, dissemination and use of information about the development of the incident and status of resources. Information is needed to 1) understand the current situation 2) predict probable course of incident events, and 3) prepare alternative strategies and control operations for the incident.

- Review Common Responsibilities (section 9).

- Collect and process situation information about the incident.
- Supervise preparation of the Incident Action Plan.
- Provide input to the Incident Commander and Operations Section Chief in preparing the Incident Action Plan.
- Reassign out-of-service personnel already on-site to ICS organizational positions as appropriate.
- Establish information requirements and reporting schedules for Planning Section units (e.g., Resources, Situation Units).
- Determine need for any specialized resources in support of the incident.
- If requested, assemble and disassemble strike teams and task forces as requested by Operations.
- Establish special information collection activities as necessary, e.g., weather, environmental, toxics, etc.
- Assemble information on alternative strategies.
- Provide periodic predictions on incident potential.
- Report any significant changes in incident status.
- Compile and display incident status information.
- Oversee preparation and implementation of Incident Demobilization Plan.
- Incorporate plans, (e.g., Traffic, Medical, Communications, Site Safety) into the Incident Action Plan.
- Maintain Unit/Activity Log (ICS Form 214).

### ***12.3.2. Resources Unit Leader***

The Resources Unit Leader is responsible for maintaining the status of all assigned resources (primary and support) at an incident. This is achieved by overseeing the check-in of all resources, maintaining a status-keeping system indicating current location and status of all resources, and maintenance of a master list of all resources, e.g., key supervisor personnel, primary and support resources, etc.

- Review Common Responsibilities (section 9).
- Review Unit Leader Responsibilities (page 1-3).
- Establish check-in function at incident locations.
- Prepare Organization Assignment List (ICS Form 203) and Organization Chart (ICS Form 207).
- Prepare appropriate parts of Division Assignment Lists (ICS Form 204).
- Prepare and maintain the Command Post display (to include organization chart and resource allocation and deployment).

- Maintain and post the current status and location of all resources.
- Maintain master roster of all resources checked in at the incident.
- A Check-in/Status Recorder reports to the Resources Unit Leader and assists with the accounting of all incident assigned resources.

### **12.3.3. Check-In/Status Recorder**

Check-in-Status recorders are needed at each check-in location to ensure that all resources assigned to an incident are accounted for.

- Review Common Responsibilities (section 9).
- Obtain required work materials, including Check-in Lists (ICS Form 211), Resource Status Cards (ICS 219), and status display boards.
- Establish communications with the Communication Center and Ground Support Unit.
- Post signs so that arriving resources can easily find incident check-in location(s).
- Record check-in information on Check-in Lists (ICS Form 211).
- Transmit check-in information to Resources Unit on regular pre-arranged schedule or as needed.
- Forward completed Check-in Lists (ICS Form 211) and Status Change Cards (ICS Form 210) to the Resources Unit.
- Receive, record, and maintain resources status information on Resource Status Cards (ICS Form 219) for incident assigned single resources, strike teams, task forces, and overhead personnel.
- Maintain files of Check-in Lists (ICS Form 211).

### **12.3.4. Situation Unit Leader**

The collection, processing and organization of all incident information takes place within the Situation Unit. The Situation Unit may prepare future projections of incident growth, maps and intelligence information.

- Review Common Responsibilities (section 9).
- Begin collection and analysis of incident data as soon as possible.
- Prepare, post, or disseminate resource and situation status information as required, including special requests.
- Prepare periodic predictions or as requested.
- Prepare the Incident Status Summary Form (ICS Form 209).
- Provide photographic services and maps if required.

### **12.3.5. Display Processor**

The Display Processor is responsible for the display of incident status information obtained from Field Observers, resource status reports, aerial and ortho photographs and infrared data.

- Review Common Responsibilities (section 9).
- Determine location of work assignment.
- Determine numbers, types and locations of displays required.
- Determine priorities.
- Determine map requirements for Incident Action Plans.
- Determine time limits for completion.
- Determine field Observer assignments and communications means.
- Obtain necessary equipment and supplies.
- Obtain copy of Incident Action Plan for each operational period.
- Assist Situation Unit Leader in analyzing and evaluating field reports.
- Develop required displays in accordance with time limits for completion.

### **12.3.6. Field Observer**

The Field Observer is responsible to collect situation information from personal observations at the incident and provide this information to the Situation Unit Leader.

- Review Common Responsibilities (section 9).
- Determine location of assignment.
- Determine type of information required.
- Determine priorities.
- Determine time limits for completion.
- Determine method of communication.
- Determine method of transportation.
- Obtain copy of Incident Action Plan for the Operation Period.
- Obtain necessary equipment and supplies.
- Perform Field Observer responsibilities to include but not limited to the following:
  - Map perimeters of incident.
  - Map locations of hot spots.
  - Map unburned islands.
  - Observe rates of spread.

- Observe weather conditions.
- Observe hazards, including escape routes and safe areas.
- Observe progress of operational resources.
- Be prepared to identify all facility locations (e.g., helispots, Division and Branch boundaries).
- Report information to Situation Unit Leader by established procedure.
- Report immediately any condition observed which may cause danger and safety hazard to personnel.
- Gather intelligence that will lead to accurate predictions.

### **12.3.7. Weather Observer**

The Weather Observer is responsible to collect current incident weather information and provide the information to an assigned meteorologist or Situation Unit Leader.

- Review Common Responsibilities (section 9).
- Determine nature and location of work assignments.
- Determine weather data collection methods to be used.
- Determine priorities for collection.
- Determine specific types of information required.
- Determine frequency of reports.
- Determine method of reporting.
- Determine source of equipment.
- Obtain weather data collection equipment.
- Obtain appropriate transportation to collection site(s).
- Record and report weather observations at assigned locations on schedule.
- Turn in equipment at completion of assignment.

### **12.3.8. Documentation Unit Leader**

The Documentation Unit Leader is responsible for the maintenance of accurate, up-to-date incident files. Duplication services will also be provided by the Documentation Unit. Incident files will be stored for legal, analytical, and historical purposes.

- Review Common Responsibilities (section 9).
- Set up work area; begin organization of incident files.
- Establish duplication service; respond to requests.

- File all official forms and reports.
- Review records for accuracy and completeness; inform appropriate units of errors or omissions.
- Provide incident documentation as requested.
- Store files for post-incident use.

### **12.3.9. Demobilization Unit Leader**

The Demobilization Unit Leader is responsible for developing the Incident Demobilization Plan. On large incidents, demobilization can be quite complex, requiring a separate planning activity. Note that not all agencies require specific demobilization instructions.

- Review Common Responsibilities (section 9).
- Review incident resource records to determine the likely size and extent of demobilization effort.
- Based on above analysis, add additional personnel, work space and supplies as needed.
- Coordinate demobilization with Agency Representatives.
- Monitor ongoing Operations Section resource needs.
- Identify surplus resources and probably\_release time.
- Develop incident check-out function for all units.
- Evaluate logistics and transportation capabilities to support demobilization.
- Establish communications with off-incident facilities, as necessary.
- Develop an Incident Demobilization Plan detailing specific responsibilities and release priorities and procedures.
- Prepare appropriate directories (e.g., maps, instructions, etc.) For inclusion in the demobilization plan.
- Distribute demobilization plan (on and off-site).
- Ensure that all Sections/Units understand their specific demobilization responsibilities.
- Supervise execution of the Incident Demobilization Plan.
- Brief Planning Section Chief on demobilization progress.

### **12.3.10. Technical Specialists**

Certain incidents or events may require the use of Technical Specialists who have specialized knowledge and expertise. Technical Specialists may function within the Planning Section, or be assigned wherever their services are required.

### **12.3.11. Environmental Specialist**

- Review Common Responsibilities (section 9).
- Participate in the development of the Incident Action Plan and review the general control objectives including alternative strategies.
- Collect and validate environmental information within the incident area by reviewing pre-attack land use and management plans.
- Determine environmental restrictions within the incident area.
- Develop suggested priorities for preservation of the environment.
- Provide environmental analysis information, as requested.
- Collect and transmit required records and logs to Documentation Unit at the end of each operational period.
- Maintain Unit/Activity Log (ICS Form 214).

### **12.3.12. Resource Use Specialist**

- Review Common Responsibilities (section 9).
- Participate in the development of the Incident Action Plan and review general control objectives including alternative strategies as requested.
- Collect information on incident resources as needed.
- Respond to requests for information about limitations and capabilities of resources.
- Collect and transmit records and logs to Documentation Unit at the end of each operational period.
- Maintain Unit/Activity Log (ICS Form 214).

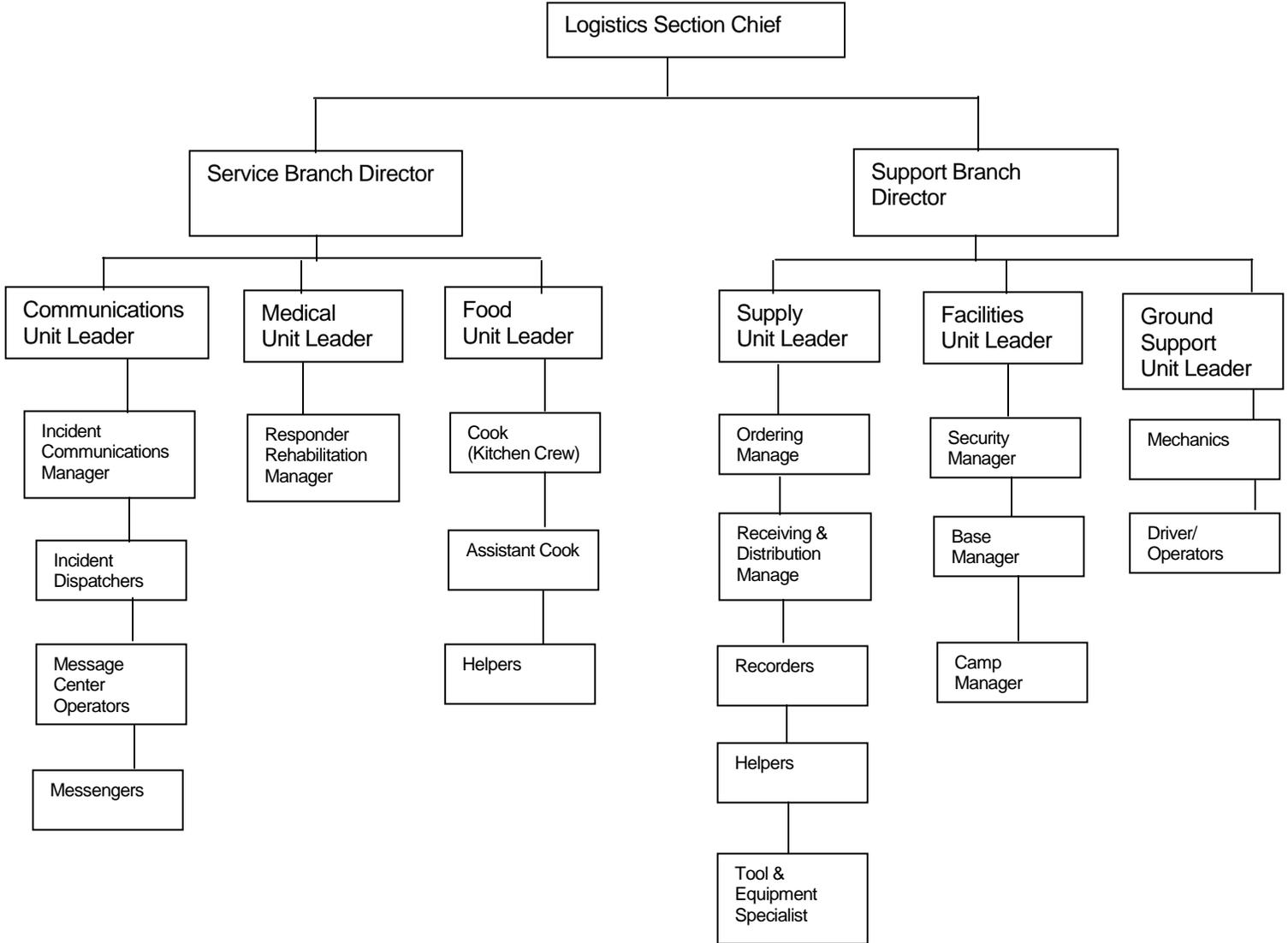
### **12.3.13. Training Specialist**

- Review Common Responsibilities (section 9).
- Inform Planning Section Chief of planned use of trainees.
- Review trainee assignments and modify if appropriate.
- Coordinate the assignments of trainees to incident positions with Resources Unit.
- Brief trainees and trainers on training assignments and objectives.
- Coordinate use of unassigned trainees.
- Make follow-up contacts on the job to provide assistance and advice for trainees to meet training objectives as appropriate and with approval of unit leaders.

- Ensure trainees receive performance evaluation.
- Monitor operational procedures and evaluate training needs.
- Respond to requests for information concerning training activities.
- Give Training Specialist records and logs to Documentation Unit at the end of each operational period.
- Maintain Unit/Activity Log (ICS Form 214).

**13. Logistics Section**

**13.1 Organization Chart**



## **13.2 Position Checklists**

### **13.2.1. Logistics Section Chief**

The Logistics Section Chief, a member of the General Staff, is responsible for providing facilities, services, and material in support of the incident. The Section Chief participates in development and implementation of the Incident Action Plan and activates and supervises the Branches and Units within the Logistics Section.

- Review Common Responsibilities (section 9).
- Plan organization of Logistics Section.
- Assign work locations and preliminary work tasks to Section personnel.
- Notify Resources Unit of Logistics Section units activated including names and locations of assigned personnel.
- Assemble and brief Branch Directors and Unit Leaders.
- Participate in preparation of Incident Action Plan.
- Identify service and support requirements for planned and expected operations.
- Provide input to review Communications Plan, Medical Plan and Traffic Plan.
- Coordinate and process requests for additional resources.
- Review Incident Action Plan and estimate Section needs for next operational period.
- Advise on current service and support capabilities.
- Prepare service and support elements of the Incident Action Plan.
- Estimate future service and support requirements.
- Receive Demobilization Plan from Planning Section.
- Recommend release of unit resources in conformity with Demobilization Plan.
- Ensure general welfare and safety of Logistics Section personnel.
- Maintain Unit/Activity Log (ICS Form 214).

### **13.2.2. Service Branch Director**

The Service Branch Director, when activated, is under the supervision of the Logistics Section Chief, and is responsible for the management of all service activities at the incident. The Branch Director supervises the operations of the Communications, Medical and Food Units.

- Review Common Responsibilities (section 9).
- Obtain working materials.
- Determine level of service required to support operations.
- Confirm dispatch of Branch personnel.

- Participate in planning meetings of Logistics Section personnel.
- Review Incident Action Plan.
- Organize and prepare assignments for Service Branch personnel.
- Coordinate activities of Branch Units.
- Inform Logistics Chief of Branch activities.
- Resolve Service Branch problems.
- Maintain Unit/Activity Log (ICS Form 214).

### **13.2.3. Communications Unit Leader**

The Communications Unit Leader, under the direction of the Service Branch Director or Logistics Section Chief, is responsible for developing plans for the effective use of incident communications equipment and facilities; installing and testing of communications equipment; supervision of the Incident Communications Center; distribution of communications equipment to incident personnel; and the maintenance and repair of communications equipment.

- Review Common Responsibilities (section 9).
- Determine unit personnel needs.
- Prepare and implement the Incident Radio Communications Plan (ICS Form 205).
- Ensure the Incident Communications Center and Message Center are established.
- Establish appropriate communications distribution/maintenance locations within base/camp(s).
- Ensure communications systems are installed and tested.
- Ensure an equipment accountability system is established.
- Ensure personal portable radio equipment from cache is distributed per Incident Radio Communications Plan.
- Provide technical information as required on:
  - Adequacy of communications systems currently in operation.
  - Geographic limitation on communications systems.
  - Equipment capabilities/limitations.
  - Amount and types of equipment available.
  - Anticipated problems in the use of communications equipment.
- Supervise Communications Unit activities.
- Maintain records on all communications equipment as appropriate.
- Ensure equipment is tested and repaired.

- Recover equipment from relieved or released units.

#### **13.2.4. Incident Dispatcher**

The Incident Dispatcher (including incident Communications Manager) is responsible to receive and transmit radio and telephone messages among and between personnel and to provide dispatch services at the incident.

- Review Common Responsibilities (section 9).
- Ensure adequate staffing (Incident Communications Manager).
- Obtain and review Incident Action Plan to determine incident organization and Incident Radio Communications Plan.
- Set up Incident Radio Communications Center - check out equipment.
- Request service on any inoperable or marginal equipment.
- Set up Message Center location as required.
- Receive and transmit messages within and external to incident.
- Maintain files of Status Change Cards (ICS Form 210) and General Messages (ICS Form 213).
- Maintain a record of unusual incident occurrences.
- Provide briefing to relief on current activities, equipment status, and any unusual communications situations.
- Turn in appropriate documents to Incident Communications Manager or Communications Unit Leader.
- Demobilize communications center in accordance with Incident Demobilization Plan.

#### **13.2.5. Medical Unit Leader**

The Medical Unit Leader, under the direction of the Service Branch Director or Logistics Section Chief, is primarily responsible for the development of the Medical Plan, obtaining medical aid and transportation for injured and ill incident personnel, and preparation of reports and records.

- Review Common Responsibilities (section 9).
- Participate in Logistics Section/Service Branch planning activities.
- Establish Medical Unit.
- Prepare the Medical Plan (ICS Form 206).
- Prepare procedures for major medical emergency.
- Declare major medical emergency as appropriate.
- Respond to requests for medical aid, medical transportation, medical supplies.
- Prepare and submit necessary documentation.

### **13.2.6. Responder Rehabilitation Manager**

The Rehabilitation Manager reports to the Medical Unit Leader and is responsible for the rehabilitation of incident personnel who are suffering from the effects of strenuous work and/or extreme conditions.

- Review Common Responsibilities (section 9).
- Designate responder rehabilitation location and have location announced on radio with radio designation “Rehab.”
- Request necessary medical personnel to evaluate medical condition of personnel being rehabilitated.
- Request necessary resources for rehabilitation of personnel, e.g., water, juice, personnel.
- Request through Food Unit or Logistics Section Chief feeding as necessary for personnel being rehabilitated.
- Release rehabilitated personnel to Planning Section for reassignment.
- Maintain appropriate records and documentation.

### **13.2.7. Food Unit Leader**

The Food Unit Leader is responsible for supplying the food needs for the entire incident, including all remote locations (e.g., Camps, Staging Areas), as well as providing food for personnel unable to leave tactical field assignments.

- Review Common Responsibilities (section 9).
- Determine food and water requirements.
- Determine method of feeding to best fit each facility or situation.
- Obtain necessary equipment and supplies and establish cooking facilities.
- Ensure that well-balanced menus are provided.
- Order sufficient food and potable water from the Supply Unit.
- Maintain an inventory of food and water.
- Maintain food service areas, ensuring that all appropriate health and safety measures are being followed.
- Supervise caterers, cooks, and other Food Unit personnel as appropriate.

### **13.2.8. Support Branch Director**

The Support Branch Director, when activated, is under the direction of the Logistics Section Chief, and is responsible for development and implementation of logistics plans in support of the Incident Action Plan. The Support Branch Director supervises the operations of the Supply, Facilities and Ground Support Units.

- Review Common Responsibilities (section 9).
- Obtain work materials.
- Identify Support Branch personnel dispatched to the incident.
- Determine initial support operations in coordination with Logistics Section Chief and Service Branch Director.
- Prepare initial organization and assignments for support operations.
- Assemble and brief Support Branch personnel.
- Determine if assigned Branch resources are sufficient.
- Maintain surveillance of assigned units work progress and inform Section Chief of activities.
- Resolve problems associated with requests from Operations Section.
- Maintain Unit/Activity Log (ICS Form 214).

### **13.2.9. Supply Unit Leader**

The Supply Unit Leader is primarily responsible for ordering personnel, equipment and supplies; receiving, and storing all supplies for the incident; maintaining an inventory of supplies; and servicing non-expendable supplies and equipment.

- Review Common Responsibilities (section 9).
- Participate in Logistics Section/Support Branch planning activities.
- Determine the type and amount of supplies enroute.
- Review Incident Action Plan for information on operations of the Supply Unit.
- Develop and implement safety and security requirements.
- Order, receive, distribute, and store supplies and equipment.
- Receive and respond to requests for personnel, supplies and equipment.
- Maintain inventory of supplies and equipment.
- Service reusable equipment.
- Submit reports to the Support Branch Director.

### **13.2.10. Ordering Manager Checklist**

The Ordering Manager is responsible for placing all orders for supplies and equipment for the incident. The Ordering Manager reports to the Supply Unit Manager.

- Review Common Responsibilities (section 9).
- Obtain necessary agency(s) order forms.
- Establish ordering procedures.
- Establish name and telephone numbers of agency(s) personnel receiving orders.

- Set up filing system.
- Get names of incident personnel who have ordering authority.
- Check on what has already been ordered.
- Ensure order forms are filled out correctly.
- Place orders in a timely manner.
- Consolidate orders when possible.
- Identify times and locations for delivery of supplies and equipment.
- Keep Receiving and Distribution Manager informed of orders placed.
- Submit all ordering documents to Documentation Control Unit through Supply Unit Leader before demobilization.

### ***13.2.11. Receiving And Distribution Manager Checklist***

The Receiving and Distribution Manager is responsible for receiving and distribution of all supplies and equipment (other than primary resources) and the service and repair of tools and equipment. The Receiving and Distribution Manager reports to the Supply Unit Leader.

- Review Common Responsibilities (section 9).
- Order required personnel to operate supply area.
- Organize physical layout of supply area.
- Establish procedures for operating supply area.
- Set up filing system for receiving and distribution of supplies and equipment.
- Maintain inventory of supplies and equipment.
- Develop security requirement for supply area.
- Establish procedures for receiving supplies and equipment.
- Submit necessary reports to Supply Unit Leader.
- Notify Ordering Manager of supplies and equipment received.
- Provide necessary supply records to Supply Unit Leader.

### ***13.2.12. Facilities Unit Leader***

The Facilities Unit Leader is primarily responsible for the layout and activation of incident facilities, e.g., Base, Camp(s) and Incident Command Post. The Unit provides sleeping and sanitation facilities for incident personnel and manages Base and Camp(s) operations. Each facility (Base, Camp) is assigned a manager who reports to the Facilities Unit Leader and is responsible for managing the operation of the facility. The basic functions or activities of the Base and Camp Managers are to provide security service, and general maintenance. The Facility Unit Leader reports to the Support Branch Director.

- Review Common Responsibilities (section 9).

- Receive a copy of the Incident Action Plan.
- Participate in Logistics Section/Support Branch planning activities.
- Determine requirements for each facility.
- Prepare layouts of incident facilities.
- Notify unit leaders of facility layout.
- Activate incident facilities.
- Provide Base and Camp Managers.
- Provide sleeping facilities.
- Provide security services.
- Provide facility maintenance services-sanitation, lighting, clean up.

### ***13.2.13. Facility Maintenance Specialist***

The Facility Maintenance Specialist is responsible to ensure that proper sleeping and sanitation facilities are maintained; to provide shower facilities; to provide and maintain lights and other electrical equipment; and to maintain the Base, Camp and Incident Command Post facilities in a clean and orderly manner.

- Review Common Responsibilities (section 9).
- Request required maintenance support personnel and assign duties.
- Obtain supplies, tools, and equipment.
- Supervise/perform assigned work activities.
- Ensure that all facilities are maintained in a safe condition.
- Disassemble temporary facilities when no longer required.
- Restore area to pre-incident condition.

### ***13.2.14. Security Manager Checklist***

The Security Manager is responsible to provide safeguards needed to protect personnel and property from loss or damage.

- Review Common Responsibilities (section 9).
- Establish contacts with local law enforcement agencies as required.
- Contact the Resource Use Specialist for crews or Agency Representatives to discuss any special custodial requirements which may affect operations.
- Request required personnel support to accomplish work assignments.
- Ensure that support personnel are qualified to manage security problems.
- Develop Security Plan for incident facilities.
- Adjust Security Plan for personnel and equipment changes and releases.

- Coordinate security activities with appropriate incident personnel.
- Keep the peace, prevent assaults, settle disputes through coordination with Agency Representatives.
- Prevent theft of all government and personal property.
- Document all complaints and suspicious occurrences.

**13.2.15. Base Manager**

The Base Manager is responsible to ensure that appropriate sanitation, security, and facility management services are conducted at the Base. The Base Manager duties include:

- Review Common Responsibilities (section 9).
- Determine personnel support requirements.
- Obtain necessary equipment and supplies.
- Ensure that all facilities and equipment are set up and properly functioning. Supervise the establishment of:
  - Sanitation facilities (including showers).
  - Sleeping facilities.
  - Make sleeping area assignments.
  - Ensure that strict compliance is made with all applicable safety regulations.
  - Ensure that all facility maintenance services are provided.

**13.2.16. Camp Manager**

On large incidents, one or more camps may be established by the General Staff to provide better support to operations. Camps may be in place several days or may be moved depending upon the nature of the incident. Functional unit activities performed at the ICS Base may be performed at the Camp(s). These could include: Supply, Medical, Ground Support, Food, Communications and Finance/Administration as well as the Facilities Unit functions of facility maintenance and security. Camp Managers are responsible to provide non-technical coordination for all units operating within the Camp. Units assigned to Camps will be determined by the ICS General Staff. Personnel requirements for units at Camps will be determined by the parent unit based on kind and size of incident and expected duration of Camp operations.

- Review Common Responsibilities (section 9).
- Determine personnel support requirements.
- Obtain necessary equipment and supplies.
- Ensure that all sanitation, shower and sleeping facilities are set up and properly functioning.
- Make sleeping arrangements.

- Provide direct supervision for all facility maintenance and security services at Camp.
- Ensure that strict compliance is made with all applicable safety regulations.
- Ensure that all Camp to Base communications are centrally coordinated.
- Ensure that all Camp to Base transportation scheduling is centrally coordinated.
- Provide overall coordination of all Camp activities to ensure that all assigned units operate effectively and cooperatively in meeting incident objectives.
- Maintain Unit/Activity Log (ICS Form 214).

***13.2.17. Ground Support Unit Leader***

The Ground Support Unit Leader is primarily responsible for 1) support out of service resources 2) transportation of personnel, supplies, food, and equipment 3) fueling, service, maintenance, and repair of vehicles and other ground support equipment and 4) implementing Traffic Plan for the incident.

- Review Common Responsibilities (section 9).
- Participate in Support Branch/Logistics Section planning activities.
- Develop and implement Traffic Plan.
- Support out-of-service resources.
- Notify Resources Unit of all status changes on support and transportation vehicles.
- Arrange for and activate fueling, maintenance, and repair of ground resources.
- Maintain inventory of support and transportation vehicles (ICS Form 218).
- Provide transportation services.
- Collect use information on rented equipment.
- Requisition maintenance and repair supplies (e.g., fuel, spare parts).
- Maintain incident roads.
- Submit reports to Support Branch Director as directed.

***13.2.18. Equipment Manager***

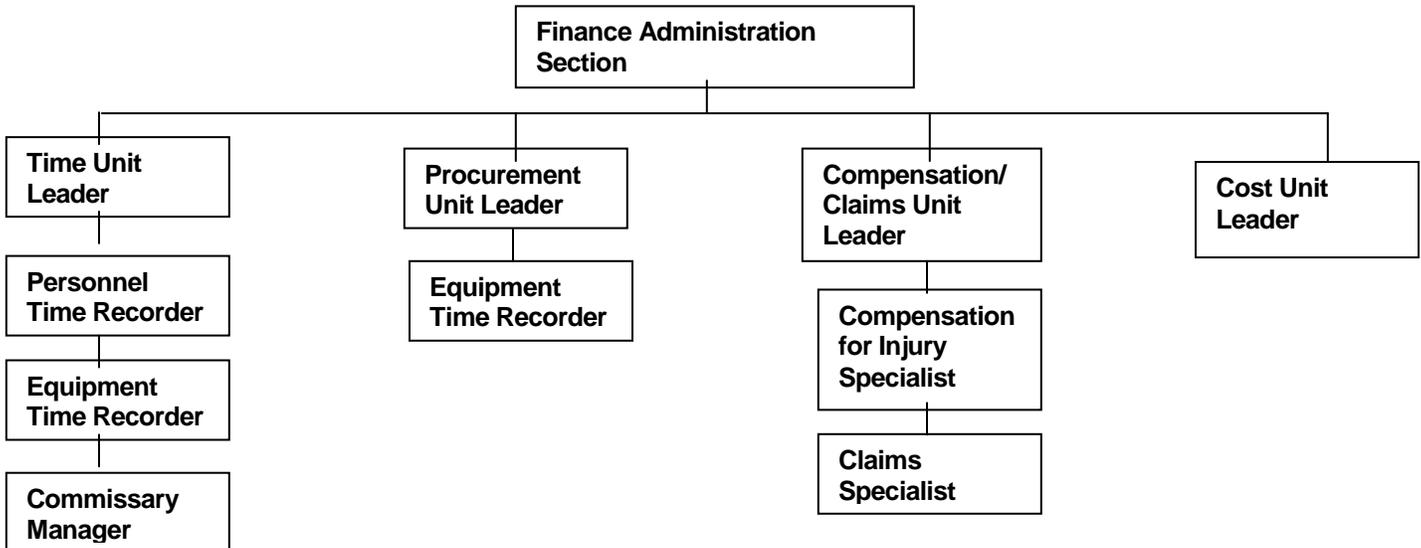
The Equipment Manager provides service, repair and fuel for all apparatus and equipment; provides transportation and support vehicle services; and maintains records of equipment use and service provided.

- Review Common Responsibilities (section 9).
- Obtain Incident Action Plan to determine locations for assigned resources, Staging Area locations, and fueling and service requirements for all resources.
- Obtain necessary equipment and supplies.

- Provide maintenance and fueling according to schedule.
- Prepare schedules to maximize use of available transportation.
- Provide transportation and support vehicles for incident use.
- Coordinate with Agency Representatives on service and repair policies as required.
- Inspect equipment condition and ensure coverage by equipment agreement.
- Determine supplies (e.g., gasoline, diesel, oil and parts needed to maintain equipment in efficient operating condition), and place orders with Supply Unit.
- Maintain Support Vehicle Inventory (ICS Form 218).
- Maintain equipment rental records.
- Maintain equipment service and use records.
- Check all service repair areas to ensure that all appropriate safety measures are being taken.

## 14. Finance / Administration Section

### 14.1 Organization Chart



### 14.2 POSITION CHECKLISTS

#### 14.2.1. Finance / Administration Section Chief

The Finance/Administration Section Chief is responsible for all financial, administrative, and cost analysis aspects of the incident and for supervising members of the Finance/Administration Section.

- Review Common Responsibilities (section 9).
- Manage all financial aspects of an incident.
- Provide financial and cost analysis information as requested.
- Gather pertinent information from briefings with responsible agencies.
- Develop an operating plan for the Finance/administration Section; fill supply and support needs.
- Determine need to set up and operate an incident commissary.
- Meet with Assisting and Cooperating Agency Representatives as needed.
- Maintain daily contact with agency(s) administrative headquarters on Finance/Administration matters.
- Ensure that all personnel time records are accurately completed and transmitted to home agencies, according to policy.
- Provide financial input to demobilization planning.

- Ensure that all obligation documents initiated at the incident are properly prepared and completed.
- Brief agency administrative personnel on all incident-related financial issues needing attention or follow-up prior to leaving incident.
- Maintain Unit/activity Log (ICS Form 214).

#### **14.2.2. Time Unit Leader**

The Time Unit Leader is responsible for equipment and personnel time recording and for managing the commissary operations.

- Review Common Responsibilities (section 9).
- Determine incident requirements for time recording function.
- Contact appropriate agency personnel/representatives.
- Ensure that daily personnel time recording documents are prepared and in compliance with agency(s) policy.
- Maintain separate logs for overtime hours.
- Establish commissary operation on larger or long-term incidents as needed.
- Submit cost estimate data forms to Cost Unit as required.
- Maintain records security.
- Ensure that all records are current and complete prior to demobilization.
- Release time reports from assisting agency personnel to the respective Agency Representatives prior to demobilization.
- Brief Finance/Administration Section Chief on current problems and recommendations, outstanding issues, and follow-up requirements.

#### **14.2.3. Equipment Time Recorder**

Under supervision of the Procurement Unit Leader, the Equipment Time Recorder is responsible for overseeing the recording of time for all equipment assigned to an incident.

- Review Common Responsibilities (section 9).
- Set up Equipment Time Recorder function in location designated by Time unit Leader.
- Advise Ground Support Unit Facilities Unit, and Air support Group of the requirement to establish and maintain a file for maintaining a daily record of equipment time.
- Assist units in establishing a system for collecting equipment time reports.
- Post all equipment time tickets within four hours after the end of each operational period.

- Prepare a use and summary invoice for equipment (as required) within 12 hours after equipment arrival at incident.
- Submit data to Time Unit Leader for cost effectiveness analysis.
- Maintain current posting on all charges or credit for fuel, parts, services and commissary.
- Verify all time data and deductions with owner/operator of equipment.
- Complete all forms according to agency specifications.
- Close out forms prior to demobilization.
- Distribute copies per agency and incident policy.

#### **14.2.4. Personnel Time Recorder**

Under supervision of the Time Unit Leader, Personnel Time Recorder is responsible for overseeing the recording of time for all personnel assigned to an incident.

- Review Common Responsibilities (section 9).
- Establish and maintain a file for employee time reports within the first operational period.
- Initiate, gather, or update a time report from all applicable personnel assigned to the incident for each operational period.
- Ensure that all employee identification information is verified to be correct on the time report.
- Post personnel travel and work hours, transfers, promotions, specific pay provisions and terminations to personnel time documents.
- Post all commissary issues to personnel time documents.
- Ensure that time reports are signed.
- Close out time documents prior to personnel leaving the incident.
- Distribute all time documents according to agency policy.
- Maintain a log of excessive hours worked and give to Time Unit Leader daily.

#### **14.2.5. Commissary Manager**

Under the supervision of the Time Unit Leader, Commissary Manager is responsible for commissary operations and security.

- Review Common Responsibilities (section 9).
- Set up and provide commissary operation to meet incident needs.
- Establish and maintain adequate security for commissary.
- Request commissary stock through Supply Unit Leader.

- Maintain complete record of commissary stock including invoices for material received issuance records, transfer records and closing inventories.
- Maintain commissary issue record by crews and submit records to Time Recorder during or at the end of each operational period.
- Use proper agency forms for all record keeping. Complete forms according to agency specification.
- Ensure that all records are closed out and commissary stock is inventoried and returned to Supply Unit prior to demobilization.

#### **14.2.6. Procurement Unit Leader**

The Procurement Unit Leader is responsible for administering all financial matters pertaining to vendor contracts, leases, and fiscal agreements.

- Review Common Responsibilities (section 9).
- Review incident needs and any special procedures with Unit Leaders, as needed.
- Coordinate with local jurisdiction on plans and supply sources.
- Obtain Incident Procurement Plan.
- Prepare and authorize contracts and land use agreements.
- Draft memoranda of understanding.
- Establish contracts and agreements with supply vendors.
- Provide for coordination between the Ordering Manager, agency dispatch, and all other procurement organizations supporting the incident.
- Ensure that a system is in place which meets agency property management requirements. Ensure proper accounting for all new property.
- Interpret contracts and agreements; resolve disputes within delegated authority.
- Coordinate with Compensation/Claims Unit for processing claims.
- Coordinate use of impress funds as required.
- Complete final processing of contracts and send documents for payment.
- Coordinate cost data in contracts with Cost Unit Leader.
- Brief Finance/Administration Section Chief on current problems and recommendations, outstanding issues, and follow-up requirements.

#### **14.2.7. Compensation / Claims Unit Leader**

The Compensation / Claims Unit Leader is responsible for the overall management and direction of all administrative matters pertaining to compensation for injury and claims-related activities (other than injury) for an accident.

- Review Common Responsibilities (section 9).

- Establish contact with incident Safety Officer and Liaison Officer (or Agency Representatives if no Liaison Officer is assigned).
- Determine the need for Compensation for Injury and Claims Specialists and order personnel as needed.
- Establish a Compensation for injury work area within or as close as possible to the Medical Unit.
- Review Incident Medical Plan.
- Review procedures for handling claims with Procurement Unit.
- Periodically review logs and forms produced by Compensation/Claims Specialists to ensure compliance with agency requirements and policies.
- Ensure that all Compensation for Injury and Claims logs and forms are complete and routed to the appropriate agency for post-incident processing prior to demobilization.

#### **14.2.8. Compensation For Injury Specialist**

Under the supervision of the Compensation / Claims Unit Leader, the Compensation For Injury Specialist is responsible for administering financial matters resulting from serious injuries and fatalities occurring on an incident. Close coordination is required with the Medical Unit.

- Review Common Responsibilities (section 9).
- Collate Compensation for Injury operations with those of the Medical Unit when possible.
- Establish procedure with Medical Unit Leader on prompt notification of injuries or fatalities.
- Obtain copy of Incident Medical Plan (ICS Form 206).
- Provide written authority for persons requiring medical treatment.
- Ensure that correct agency forms are being used.
- Provide correct billing forms for transmittal to doctor and/or hospital.
- Keep informed and report on status of hospitalized personnel.
- Obtain all witness statements from Safety Officer and/or Medical Unit and review for completeness.
- Maintain log of all injuries occurring on incident.
- Coordinate/handle all administrative paper work on serious injuries or fatalities.
- Coordinate with appropriate agency(s) to assume responsibility for injured personnel in local hospitals prior to demobilization.

### **14.2.9. Claims Specialist**

Under the supervision of the Compensation/Claims Unit Leader the Claims Specialist is responsible for managing all claims-related activities (other than injury) for an incident.

- Review Common Responsibilities (section 9).
- Develop and maintain a log of potential claims.
- Coordinate claims prevention plan with applicable incident functions.
- Initiate investigation on all claims other than personnel injury.
- Ensure that site and property involved in investigation are protected.
- Coordinate with investigation team as necessary.
- Obtain witness statements pertaining to claims other than personnel injury.
- Document any incomplete investigations.
- Document follow-up action needs by local agency.
- Keep the Compensation/Claims Unit Leader advised on nature and status of all existing and potential claims.
- Ensure use of correct agency forms.

### **14.2.10. Cost Unit Leader**

The Cost Unit Leader is responsible for collecting all cost data, performing cost effectiveness analyses and providing cost estimates and cost saving recommendations for the incident.

- Review Common Responsibilities (section 9).
- Coordinate with agency headquarters on cost reporting procedures.
- Collect and record all cost data.
- Develop incident cost summaries.
- Prepare resources-use costs estimates for the Planning Section.
- Make cost-saving recommendations to the Finance/Administration Section Chief.
- Complete all records prior to demobilization.

## **15. Joint Information Center**

### **15.1 JIC Intent And Purpose**

The intent and purpose of organizing a JIC is to support impacted communities by providing public information *to protect citizens by providing information to help them make informed decisions and to avoid risks*. The guidelines provide an organizational process and structure that pre-identifies trained and qualified PIOs from jurisdictions and disciplines, statewide, who, when requested or directed, may be deployed to support local jurisdictions in their efforts to coordinate press and public information during a emergency.

## **15.2 Regional Asset Deployment Philosophy**

Regional assets will be deployed, as needed, to augment local response consistent with direction provided by the State's Comprehensive Emergency Management Plan (CEMP). The MAC Group or Area Command, in conjunction with local EOCs, will monitor the deployment of local assets or those requested through Mutual Aid in accordance with existing plans.

## **15.3 Definition of the Joint Information System (JIS) and Joint Information Center (JIC)**

The Public Information Joint Information System (JIS) is the organizational model and process for providing pre and post event emergency communications support for impacted communities. The system is designed to promote consolidated public information through inter-agency cooperation. The system, in Georgia, is governed by the Georgia Comprehensive Emergency Plan (CEMP) and, is comprised of local government, local and state Emergency Operations Centers (EOC) and the seven Regional Domestic Security Task Forces (RDSTF), as well as, federal agency representatives and is assigned the responsibility to handle public information needs that accompany large-scale incidents.

The Joint Information Center (JIC) is the designated location from which public information is coordinated and released. The JIC may be established at any location as determined necessary by the local jurisdiction(s) involved but should always work closely with the local EOC and liaison(s). The JIC functions best when all components are co-located in a single location. The location of the JIC should be pre-determined, if possible, and the site should be evaluated to ensure that it is large enough accommodate sufficient staff, telecommunications equipment and computer support. If circumstances prohibit co-location, the JIC components can operate from different physical locations as long as the organizational integrity is maintained; operational support is available and the chain-of-command is adhered to.

The JIC is responsible for interfacing with the public and media and/or with other agencies with incident-related information requirements. The JIC develops accurate and complete information on the incident's cause, size, and current situation; resources committed; and other matters of general interest for both internal and external communication. The JIC may also perform a key public information-monitoring role.

Key elements include the following:

- Inter-agency coordination and integration;
- Developing and delivering coordinated messages;
- Support for decision-makers; and
- Flexibility, modularity, and adaptability.

## **15.4 JIC Organization Structure**

The JIC organizational structure set forth and defined below is the recommended footprint for use by local jurisdictions and RDSTF Public Information Officers to manage large-scale

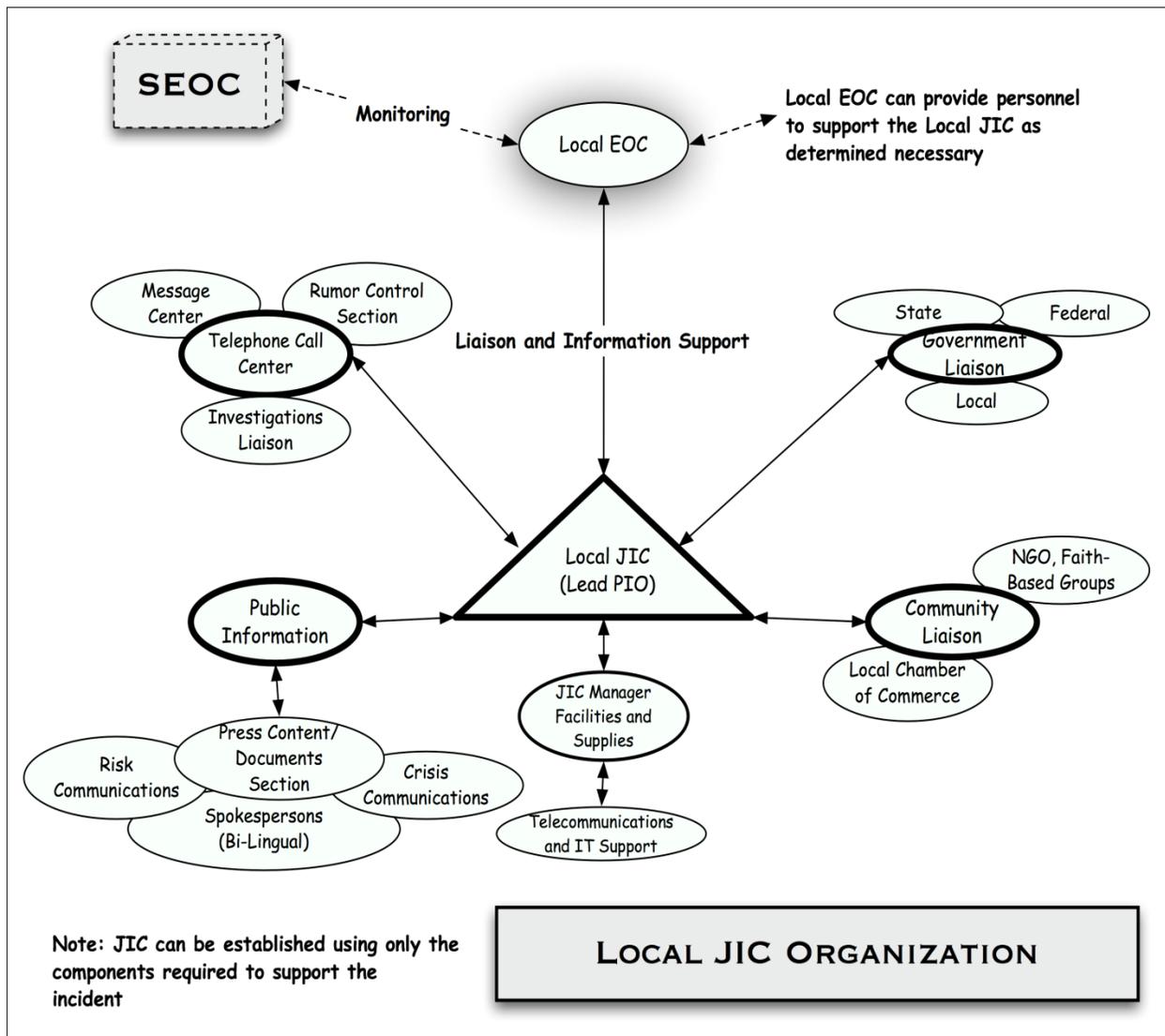
events or catastrophic incidents. The structure is scalable and flexible, which means that the functional components contained within the JIC can be established, as needed, and expanded or contracted to match the information needs of the event or incident.

The JIC structure works equally well for a local a PIO, EOC, MAC, Area Command or any other coordination entity. Accordingly, the three organization charts depict JIC structures at various levels of operation within the Georgia EOC activation system.

Local jurisdictions that do not possess sufficient number of trained personnel to staff a full function JIC may use resources from other local jurisdictions or request JIC staff support from the local EOC or RDSTF.

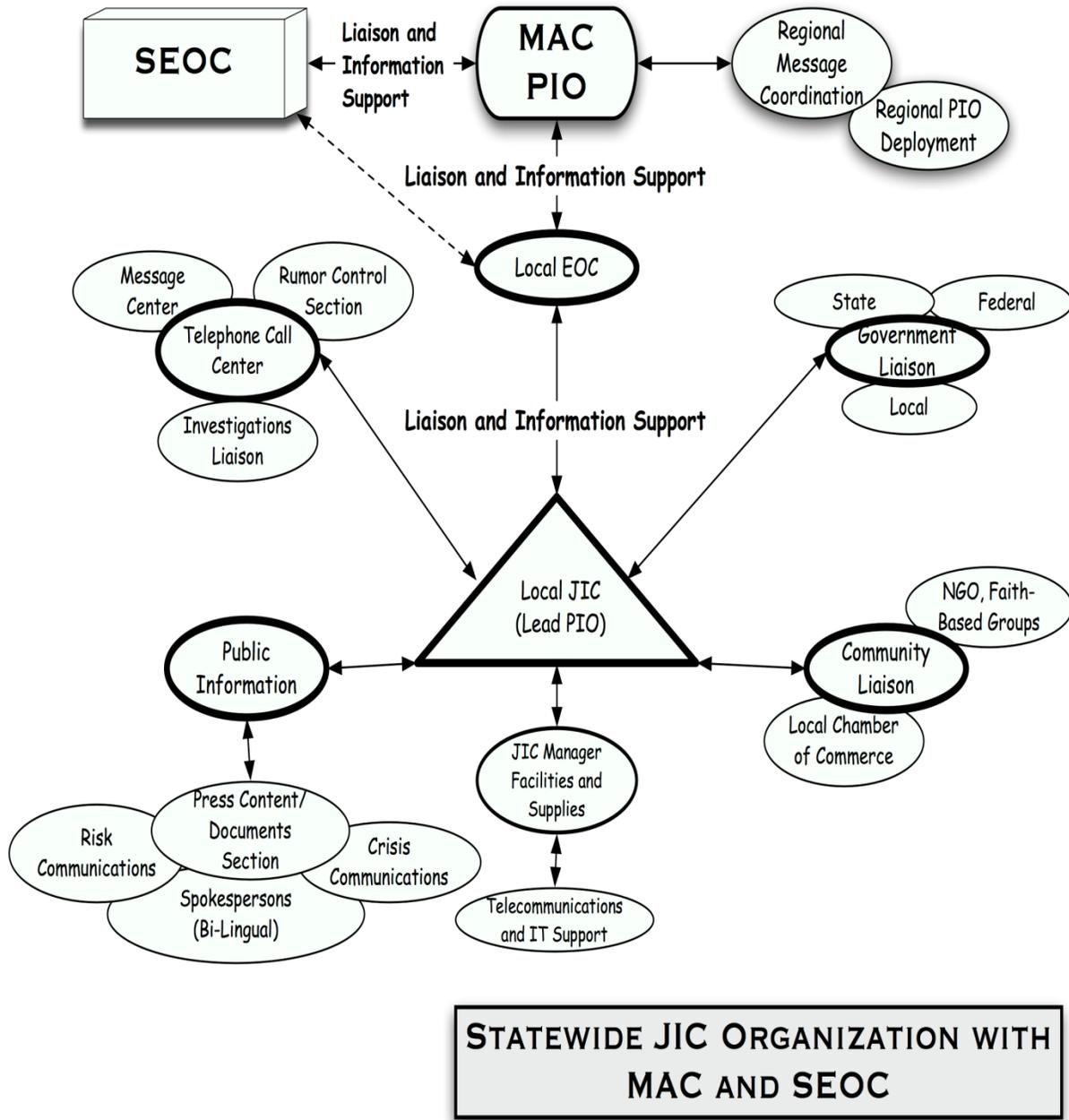
**NOTE: Some local jurisdictions will not be able to staff and operate a JIC within its available resources. The JIC can be staffed and supported by local agencies, local EOCs, the RDSTF MAC or any other established and recognized support organization. Catastrophic incidents will require regional response, support and coordination.**

## Local JIC Organization



**SINGLE COMMAND IC.** When an incident occurs within a single jurisdiction and there is no jurisdictional or functional agency overlap, a single IC should be designated with overall incident management responsibility by the appropriate jurisdictional authority. The designated IC will develop the incident objectives on which subsequent incident action planning will be based. The IC will approve the Incident Action Plan (IAP) and all requests pertaining to the ordering and releasing of incident resources and public information.

# Statewide JIC Organization With MAC and SEOC



## **15.5 JIC Minimum Staffing**

Each JIC will consist of representatives of the primary agencies affected by the incident, others that comprise the task force and other members as warranted depending on the nature of the incident or event. Each JIC will have a designated JIC Manager to support the Lead PIO. Pre-designated individuals will be trained to fill key positions from local jurisdictions and each RDSTF. The following positions are recommended:

- Public Information Officer (Lead PIO for the JIC)
- MAC Public Information Officer (RDSTF Liaison to the JIC)
- JIC Manager
- Telephone Manager
- Rumor Control Officer
- Community Liaison Officer, and
- Government Liaison Officers
- Content Experts Coordinator (Chemical, Biological, Public Health, Hazardous Devices, etc.)

## **15.6 JIC Procedures**

Each organization covered by the JIC protocol should develop procedures and specific action-oriented checklists for use during incident management operations to accomplish its assigned tasks. Procedures are documented and implemented with:

- Checklists; resource listings; maps, charts, and other pertinent data;
- Mechanisms for notifying staff; processes for obtaining and using equipment, supplies, and vehicles;
- Methods of obtaining mutual aid;
- Mechanisms for reporting information to organizational work centers and EOCs; and
- Communications operating instructions, including connectivity with private-sector and nongovernmental organizations
- Procedures for the mobilization, staffing and operation of a Mobile JIC, if available within the region.

# SECTION III: INCIDENT RESPONSE

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## 16. Incident Commander – Initial Response

### 16.1 Primary All Clear & Fire Control

Challenge and verify:

- Burning: Contents? Structure? Exposures?
- Assign 1.75, 2.5, 500 or 1000 gpm
- Survivability: Of fire area? Smoke? Fire?
- Protect savable lives – remove people from the fire and/or fire from the people
- Find the fire, cut the fire off, layers and voids, open up, vent, TI, exposures

Strategy and tactics and orders: offensive when the hazard is ‘behaving’; go defensive when it isn’t.

- Offensive attack (inside): control utilities; from unburned side with vent; open up layers and voids
- Primary search (inside): control utilities; vent and line (unburned side); open up layers and voids
- Defensive attack (outside): control utilities; away from collapse zone; protect exposures

To do:

	<b>Establish on deck:</b> forward deploy, brief, recon (TI), improve egress, establish triage		<b>Supply water to pumper:</b> offensive lay in, or first tanker, direct connect
	<b>Access &amp; egress:</b> open up new access & egress – ladders up & down		<b>Secondary search/all clear:</b> occupant, customer accountability, customer care
	<b>Check for extension:</b> all sides, voids, layers, find burned/unburned line (TI)		<b>Rehab:</b> set up, connect w/ EMS
	<b>Check for extension in exposures:</b> layers/voids/loss control (TI)		Aggress loss control (with SCBA)
			<b>Liaison</b> with PIO & customer care

### 16.2 Loss Stopped

- Aggressive loss control: clean up, cover up, store (w/SCBA)
- Check for extension (TI)

- Monitor atmosphere

### **16.3 Incident Stabilized & Customer Cared For**

Customer Care and/or Recovery Assistance to customer – connect!

Critical Factor	Discernable	Clearly Present	Serious Hazard	Extremely Severe	Fatal
Building Size/Area	Small	Medium	Large	Humongous	Ultra
Fire Stage	Incipient	Working	Extended	Deep Seated	Fully Involved
Heat	200 OK	400 Warm	600 Hot	800 Real Hot	1000 Fatal
Smoke	Faint	Light	Moderate	Heavy	Zero Visibility
Structural Stability	OK	Light	Shaky	Weak	Likely to collapse
Fire Load	Light	Light+	Moderate	Moderate +	Heavy
Occupancy Hazard	OK	Light	Moderate	Heavy	Serious Hazard
Access In	OK	Moderate Barriers	Complex Entry	Heavy Security	Locked Out
Exit Out	OK	Complex	Detained	Stuck	Trapped
Interior Clutter	OK	Confused	Obstacle Course	Awful Maze	Grid Lock
Resid/Comm	Sm-Med	Med-Lg	Sm-med	Med-lg	Huge –

	Res	Res	Comm	Comm	Ultra Comm
% Involvement	10%	20%	30%	40%	50%
Penetration into Haz Zone	50' normal distance	80' small stretch	150' big stretch	250' too damn far	400' fatally far
Aggression	Coma	Moving		Moving Quick	Running
ICs Instinct Fire Location	OK Known	Uneasy	Nervous	Stressed	Very worried Unknown
Building Shape Elevation	Known Known				Unknown Unknown
Sides & Layers	Known	Main Area	Layers		Unknown

## 17. Mass Casualty Incidents

### 17.1 Benchmarks

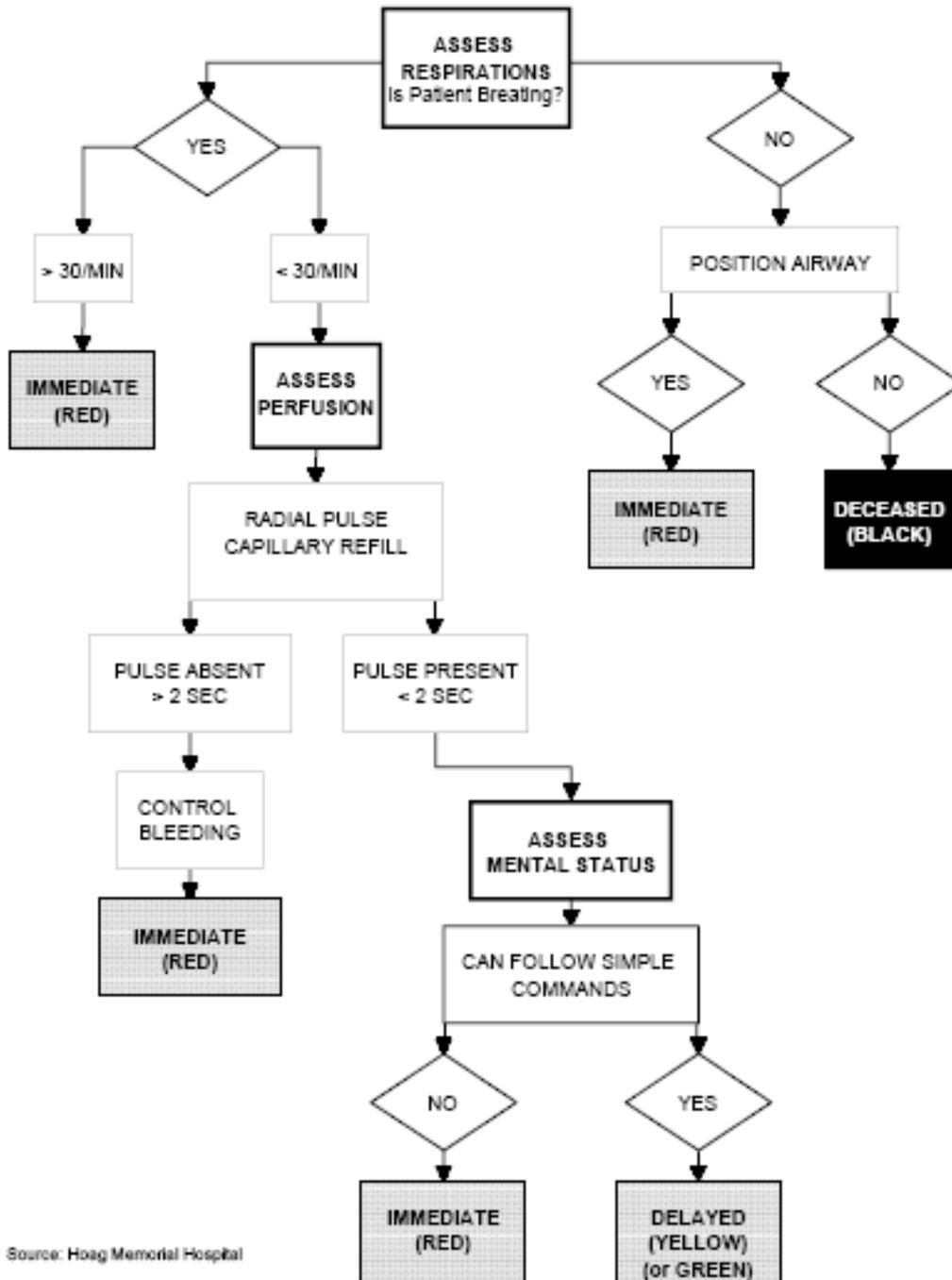
<p>All Patients Extricated &amp; Triage</p>	<p>Initial dispatch information for Hazmat cues</p> <p>Get smarter about incident (people, AQ monitoring, info)</p> <p>Hazmat cues: occupancy, containers, signage, papers, people</p> <p>Locate/designate transportation &amp; treatment areas</p> <p>Locate patients – consider ejections &amp; walk aways (homes)</p> <p>Stabilize vehicle/mechanism (cribbing/chokes, deflate tires, de-energize)</p> <p>Triage – give patient numbers (immediate &amp; delayed) to treatment &amp; transport</p> <p>Ask treatment for patient movement plan to treatment areas</p> <p>Extricate patients – roof, doors, dash roll</p> <p>Move patients to treatment areas</p>
<p>All patients in treatment (primary all clear)</p>	<p>Establish treatment areas (Immediate, Delayed, Minor, Morgue)</p> <p>Tell triage/extrication about patient movement plan</p> <p>Re-triage within treatment area (ABCs)</p> <p>Tell transport patient numbers</p>

	<p>(immediate &amp; delayed) and ask about loading areas</p> <p>Move patients to loading areas</p>
All patients transported	<p>Tell treatment patients movement plan to loading areas</p> <p>Contact Medical Control with patient numbers (Immediate &amp; Delayed); get destinations</p> <p>Record patients ID, transportation, and destination – LOAD/GO</p>

## **17.2 Standard Triage Methods**

The method of initial field triage to be utilized is the START (Simple Triage and Rapid Treatment) method for adult patients and the JumpSTART method for pediatric patients age 8 and under. Ambulatory patients are initially directed to a designated treatment area where they will be assessed and further triaged as personnel become available. For all remaining patients, triage personnel quickly move from patient to patient, using START or JumpSTART to assess and apply color-coded triage ribbons (surveyor's tape).

**START -- Simple Triage and Rapid Treatment**  
 Remember RPM (Respirations, Perfusion, Mental Status)

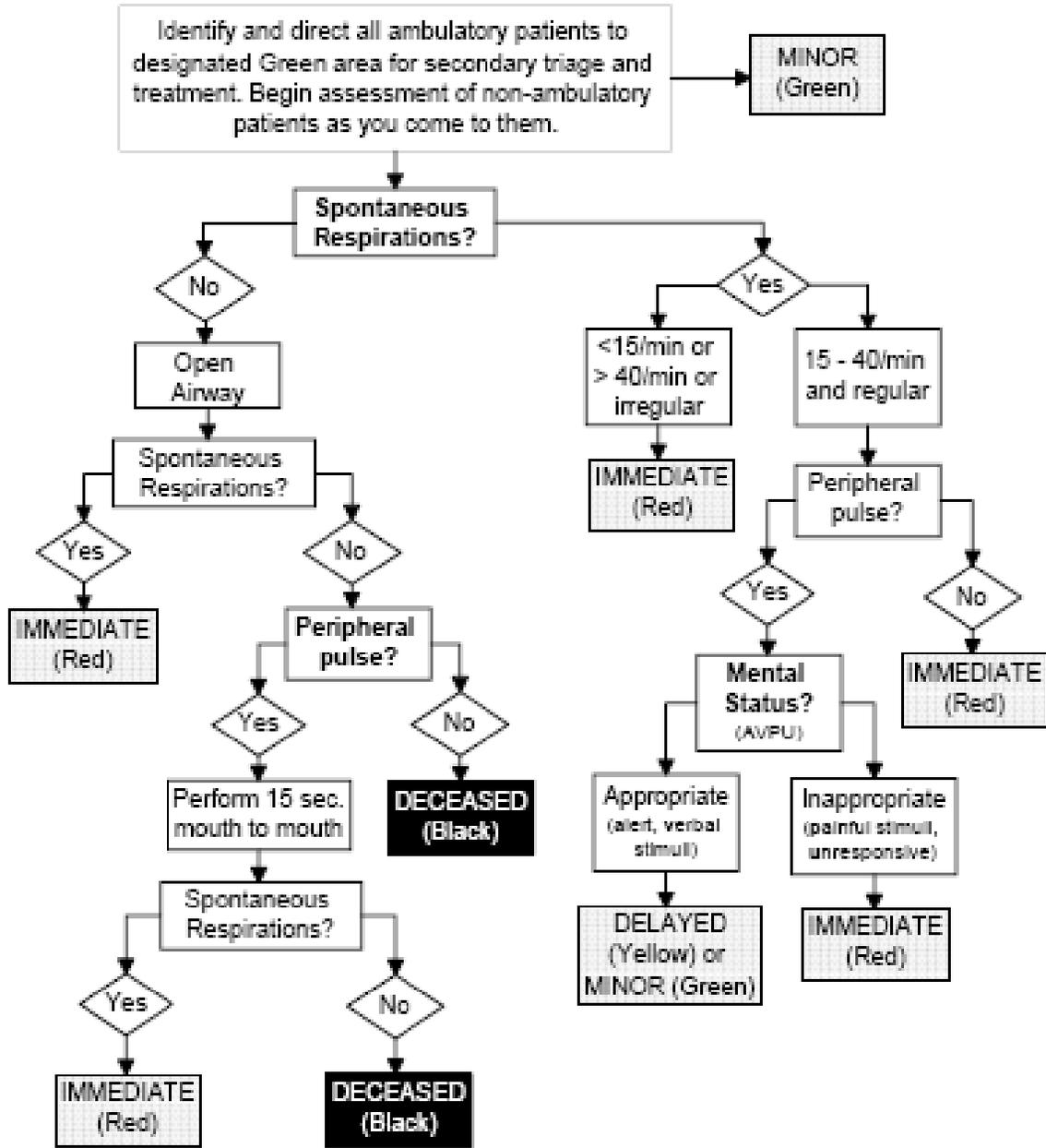


Source: Hoag Memorial Hospital

# JumpSTART

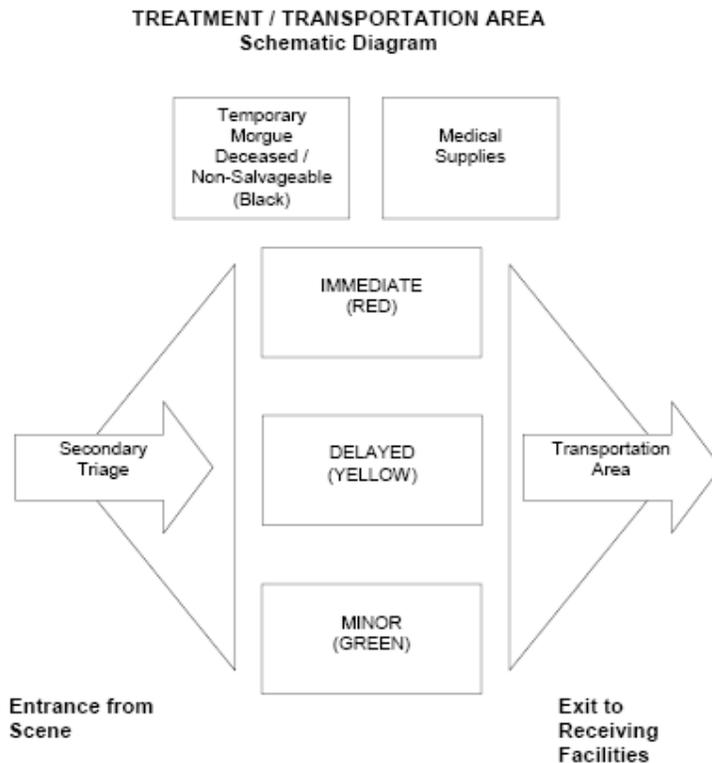
## Field Pediatric Multicasualty Triage System

### Patients aged 1 - 8 years



(c) Lou Romig 1995

## 17.3 Mass Casualty Patient Flow



### **17.3.1. The Incident Scene**

All victims are accounted for; trapped victims are rescued/extricated.

- Patients are accounted for and quickly triaged (START and JumpSTART)
- Triage ribbons are applied.

Ambulatory patients are directed to a medically supervised area. These patients shall be moved from the scene to a treatment area as soon as that area is identified.

Non-ambulatory patients are removed from the scene to the Treatment Area by porters. Patients are decontaminated (as needed) prior to leaving the incident scene, preferably prior to arrival in the Treatment Area.

### **17.3.2. The Treatment Area**

Patients arriving from the incident scene are prioritized for treatment using a more in-depth assessment method (Secondary Triage) and a triage tag applied. Patients are placed in the Treatment Area and definitive/stabilizing emergency medical care is provided on the basis of the triage priority.

- Separate areas are created in the Treatment Area for Immediate (Red), Delayed (Yellow), and Minor (Green) injured patients.
- A separate isolated area (Temporary Morgue) is created for victims who die in the Treatment Area.

Personnel and equipment resources are allocated to patients based on the triage priority. Patients are continuously reevaluated (re-triage).

### ***17.3.3. The Transportation Area***

Hospitals are contacted (early in the incident) to obtain information to assist with the most appropriate patient distribution to medical facilities. The closest hospital ("Coordinating Hospital") will usually be contacted, which will then notify other hospitals. The "Coordinating Hospital" role may be handed off to another facility. Transportation resources are assigned based on triage priority.

Patients are moved to the Transportation Area to the appropriate vehicle by Porters/Transport Loaders. Patients are transported to the most appropriate medical facility by the most appropriate means available. Emergency medical care is continued en route to the hospital.

Patient movements are documented.

## **17.4 First Unit on Scene Actions**

First unit on scene gives visual size-up, assumes and announces command, and confirms incident location, then...the 5 S's: SAFETY, SIZE UP, SEND information, SETUP the scene, and START (triage).

<p><b>Safety</b> Assessment: Assess the scene observing for:</p>	<ul style="list-style-type: none"> <li>■ Electrical hazards</li> <li>■ Flammable liquids</li> <li>■ Hazardous materials</li> <li>■ Other life-threatening situations</li> </ul>
<p><b>Size Up</b> the scene: how big and how bad is it? Survey incident scene for:</p>	<ul style="list-style-type: none"> <li>■ Type and/or cause of incident</li> <li>■ Approximate number of patients</li> <li>■ Severity level of injuries (major vs minor)</li> <li>■ Area involved, including problems with scene access</li> </ul>
<p><b>Send</b> information</p>	<ul style="list-style-type: none"> <li>■ Contact dispatch with your size-up information</li> <li>■ Request additional resources</li> <li>■ Contact closest hospital</li> </ul>
<p><b>Setup</b> the scene for management of the casualties</p>	<ul style="list-style-type: none"> <li>■ Establish staging</li> <li>■ Identify access and egress routes</li> <li>■ Identify adequate work areas for Triage, Treatment, and Transportation</li> </ul>
<p><b>START</b> (Simple Triage And Rapid Treatment) and JumpSTART (for pediatric patients)</p>	<ul style="list-style-type: none"> <li>■ Begin where you are</li> <li>■ Ask anyone who can walk to move to a designated area</li> <li>■ Use surveyor's tape to mark patients</li> <li>■ Move quickly from patient to patient</li> <li>■ Maintain patient count</li> <li>■ Provide only minimal treatment</li> <li>■ Keep moving!</li> </ul>

**18. Hazardous Materials Incidents**

**18.1 Common Benchmarks & Tactics**

<p>Primary All Clear and Hazard Confined: strategy is defensive at First Responder Operational (FRO) level</p>	<p>Identify product  Hazard Behavior Prediction – NAERG and Chemical/Physical Properties (NIOSH Guide)  Establish emergency decon  Find responsible party  Stay out of the product</p>
<p>Isolate</p>	<p>Deny access  Monitor hazard &amp; weather</p>
<p>Evacuate</p>	<p>PPE w/ SCBA  Monitor hazard &amp; weather</p>
<p>Decon/Hot Zone/Confine</p>	<p>Known product (NAERG)  PPE w/ SCBA  Monitor hazard &amp; weather</p>
<p>Protect saveable lives</p>	<p>Remove people from hazard and/or hazard from people</p>
<p>Find the Cold Zone and do defensive confinement (wind &amp; slope)</p>	<p>Utilities/Ignition sources – control them  Set up rehab  Execute water supply plan</p>

Establish on-deck or RICs	<p>Forward deploy, brief, recon          Improve egress          Establish Triage/EMS          Check for extension, all sides, voids, downslope, downwind, downstream          Check for extension in exposures/layers/loss control          Secondary all clear - occupant</p>
Secondary All Clear	Occupant/Customer Accountability
Incident Stabilized	<p>Customer care – connect with customer          Recovery assistance</p>

## **18.2 Possible Indicators of Use**

### ***18.2.1. Chemical/Biological***

- Unusual dead or dying animals; lack of insects
- Unexplained Casualties: multiple victims; serious illness; nausea, disorientation, difficulty breathing or convulsions; definite casualty patterns.
- Unusual Liquid, Spray or Vapor: droplets, oily film; unexplained odor; low flying clouds unrelated to weather
- Suspicious Devices/Packages: unusual metal debris; abandoned spray devices; unexplained munitions

### ***18.2.2. HAZMAT***

- Vapor plume – low lying fog – cloud
- More than a single product mixing or potentially mixing
- Product is on fire or fire is impinging on container
- Product is reacting with air or water – looks like it is boiling or bubbling
- Victims are down and not responding
- Victims complaining of dizziness, nausea, difficulty breathing, burning/reddened skin, diminished level of consciousness.

- Dead animals or plants
- Fire with weird color flame or smoke
- Container severely damaged – large crack dents, exposed to direct flame contact
- Sound – rapid escape of gas or liquefied gas – loud roar, high pitch, crackling noise
- Container cooking off or ruptured containers in area
- Containers and equipment used to make illegal drugs (acetone, ammonia, lye, lithium, etc)

**18.3 Critical Factors for HAZMAT Materials (cite John Culbertson, PhD, Captain, Central Valley Fire District, Montana)**

The following table presents the five considerations that need to be addressed in order to get a very good handle on the behavior of the hazard.

1	Is it a SOLID, LIQUID, or GAS?	<p>SOLID – keep water off it! Otherwise, probably not a big deal. Cover it if it is blowing around.</p> <p>LIQUID – what is its vapor pressure? Over 20 mm Hg is significant; consider where the vapors are going and their effects.</p> <p>GAS – hard to control where it’s going. Is it disbursing or hanging around?</p>
2	What are the environmental or topographic conditions?	<p>Temperature, wind, precipitation. All effect the hazard behavior; how depends on the product. Use NIOSH Pocket Guide.</p> <p>Stay upslope, upwind.</p> <p>Our atmosphere is a very dynamic, turbulent mixing chamber – even at ground level. If there is even the slightest breeze, a chemical with a Vapor Density (VP) &gt; 1 can be found at dangerous concentrations well above the ground.</p> <ul style="list-style-type: none"> <li>■ If VP &gt; 1 but &lt; 2: mixes well with air, generally found at waist level</li> <li>■ If VP &gt;2 but &lt; 3: does not mix well with air, generally found at knee level</li> <li>■ If VP &gt; 3: does not mix with air, found low to the ground.</li> </ul>

3	Will it BURN?	If an LEL/UEL is listed, it has the potential to burn. What is its flashpoint (FI P)? If it is less than ambient, it could flash.
4	Will it RISE or SINK?	LIQUIDS – solubility is % by weight that will mix with water. Miscible means completely soluble; if it is miscible, it will not separate. It will make a new solution.  If it is <i>not</i> soluble, Specific Gravity will tell you if it will sink or float (water = 1, so if Specific Gravity <1, it will float; if Specific Gravity >1, it will sink). If it floats, there is a good chance it is flammable.  GASES/VAPORS – use Molecular Weight (M.W.) The M.W. of air = 29; so if M.W. of gas < 29, it will rise and if M.W. is > 29, it will sink.
5	What is its concentration in air?	For approximate vapor concentration of a solid or liquid chemical in a contained space (e.g., building), multiply Vapor Pressure by 1300.  Example: V.P. = 50 mm Hg Concentration = 50 mm Hg X 1300 = 65,000 ppm Compare 65,000 ppm to IDHL for a worst-case scenario

## 18.4 HAZMAT Emergency Decon Procedures

### 18.4.1. Firefighters with PPE and SCBA

- Step #1 - Rinse all surfaces w/diffused water stream, (watering wand), completely wet, about 1 minute
- Step #1a - Spray soap solution on all surfaces (pump spray can), no scrub/contact, completely cover with soap spray, about 2 minutes (use only for oily, immiscible products)
- Step #2 - Rinse all surfaces w/diffused water stream, (watering wand), completely rinse off all soap solution, about 2 minutes
- Step #3 - Move to undress area at end of decon area
- Step #4 - Remove SCBA facepiece last, remove and bag PPE gear and clothing.
- Step #5 - Put on clean Tyvek suit
- Step #6 - Do EMS evaluation

### **18.4.2. Patients**

- Step 1 - Rinse while they are removing clothing
- Step 2 - Remove clothing, leaving undergarments on person(bag)
- Step 3 - Rinse again after clothing is removed
- Step 4 - Put on clean Tyvek suit, go to EMS evaluation

### **18.5 HAZMAT Checklist – Site Safety Planning**

1	Incident Type	<input type="checkbox"/> Chemical	<input type="checkbox"/> Fire	<input type="checkbox"/> Meth Lab
		<input type="checkbox"/> Casualty/EMS	<input type="checkbox"/> Terrorism	<input type="checkbox"/> Bomb
		<input type="checkbox"/> Other		
2	Risk Management Assessment	<input type="checkbox"/> Savable Life @ Risk	<input type="checkbox"/> Savable Property @ Risk	<input type="checkbox"/> No Risk
3	Incident Location & Directions			
4	Hazards	<input type="checkbox"/> Flammable	<input type="checkbox"/> Slip, Trip, Fall – Surfaces	<input type="checkbox"/> Corrosive
		<input type="checkbox"/> Explosive	<input type="checkbox"/> Reactive	<input type="checkbox"/> Topography
		<input type="checkbox"/> Toxic Inhalation Hazard (TIH)	<input type="checkbox"/> Lighting	<input type="checkbox"/> Out of sight – recon – go/no
		<input type="checkbox"/> Energized	<input type="checkbox"/> Other	
5	Environment	Current winds:	<input type="checkbox"/> Direction	<input type="checkbox"/> Speed
		Forecasted winds	<input type="checkbox"/> Direction	<input type="checkbox"/> Speed
		Current Temperature Range	<input type="checkbox"/> Hi:	<input type="checkbox"/> Lo:
		Current Precipitation	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Forecasted precipitation & dewpoint	<input type="checkbox"/> YES	<input type="checkbox"/> NO

6	Container	<input type="checkbox"/> Flame Ire impingement (fall back 1 mile IAW Guide Page 115)	Battle Damage	<input type="checkbox"/> No leak <input type="checkbox"/> Leaking
7	Chemical	Chemical Name		
		UN Ident No		
		ERG Guide Number		
		NIOSH Guide, pp	Yr	Color
		NFPA 704	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive	<input type="checkbox"/> Life <input type="checkbox"/> Special
		Amount in container	Gallons/lbs	
		Amount spilled	Gallons/lbs	
		Continuous spill	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Estimated Rate of Leak	<input type="checkbox"/> Amount	<input type="checkbox"/> Per time
		Vaporizing/evaporating	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Spilled on ground	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Spilled on water	<input type="checkbox"/> YES	<input type="checkbox"/> NO
8	Incident Command	Incident Name		
		Incident Commander		
		IC, Organization		
		Safety Officer		
		HM Task Force Liaison		
		HM Task Force Leader		
		HM Tech Safety Officer		

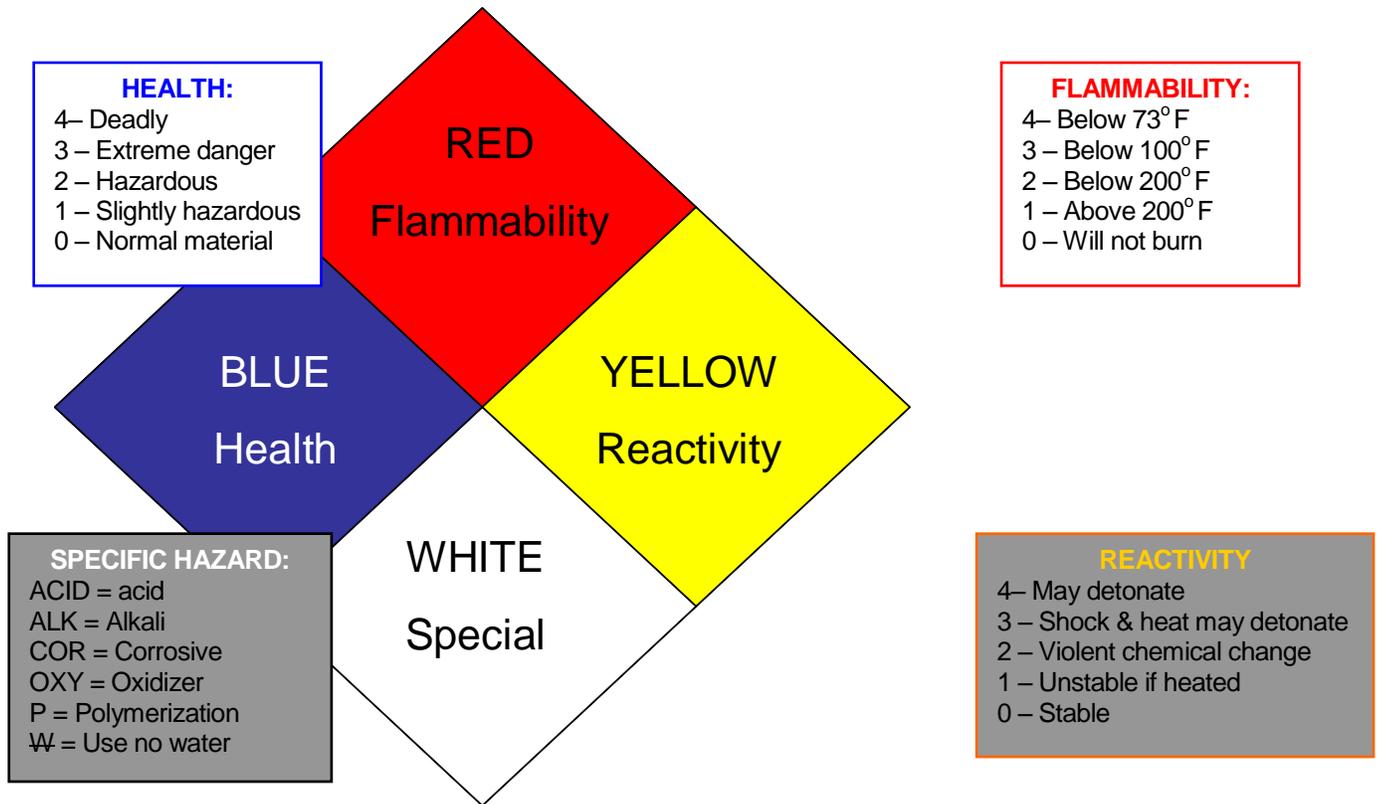
		PIO Phone Number	
9	Responsible Party for Release	Name	
		Address	
		Insurance Company	
		Phone Number	
		Point of contact	
		On-scene liaison	
10	Action Plan	Handle locally with single jurisdiction resources?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Deny access by isolating incident?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Evacuation?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Protect in place?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Zones secured (consult NAERG): hot, warm, and cold	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Call for local mutual aid?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Call for State Assistance?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Emergency decon?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Tech Level decon? Decon source document?	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Tech	<input type="checkbox"/> Recon actions? <input type="checkbox"/> Entry actions
Entry rescue?	<input type="checkbox"/> YES <input type="checkbox"/> NO		

		Stay back and allow to self stabilize?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Monitor spill and call for additional expertise?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Confine spill to protect property and environment?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Notifications and documented?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
11	Injuries & Fatalities	Number injured @ scene:		
		Number exposed to release:		
		Number contaminated:		
		Number fatalities @ scene:		
		Hospital notified?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Coroner notified?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
12	Personal Protective Equipment	Equipment on site		
		Level A:	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Level B:	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Level C:	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		F/F Turnouts	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Number SCBA	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Amount of Grade D air needed	<input type="checkbox"/> # tanks	<input type="checkbox"/> Psi
		Equipment needed on site		
		Level A	<input type="checkbox"/> YES	<input type="checkbox"/> NO

		Level B	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		Level C	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		SCBA	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		F/F Turnouts	<input type="checkbox"/> YES	<input type="checkbox"/> NO
13	On Deck – Rapid Intervention Plan	Staffing needed		
		Level of protection needed		
		HM Cert Level needed		
		Staffed		
		Equipped		
		Training cert		
		Location		
		Decon plan for On Deck		
		Commo plan		
		Radio Procedures		
		Works for:		

## 18.6 HAZMAT Material Classifications

### 18.6.1. NFPA Classification for fixed facilities



The **Blue**, **Red**, and **Yellow** inter-diamonds specify what *kind* of hazards are present and how *great* those hazards can be on a scale of 0-4, where 4 represents a maximum hazard. The White area denotes special information that is usually written in words or symbols.

## 18.7 HAZMAT Data Sheets

**18.7.1. LPG – PROPANE NAEREG GUIDE 115 Placard 1075**

Type	Gases-Flammable
Initial Isolation	160-330 ft
Tank fire isolate	1 mile
Decon	Move to fresh air
Vapor density = 2.0 (Air = 1) Molecular Weight = 44	Gas will collect in low areas
B.P. = -44 F	Gas at normal temperatures
Vapor Pressure = 107 psi (190 mm Hg)	Pressure in container liquefies the gas, release will create a vapor cloud.
Explosive range 2.1% - 9.5%	Vapors are highly flammable
Auto ignition temp = 761 F	Static electrical arc and vehicles are ignition sources
IDLH = 2100 ppm or 10% of LEL	SCBA mandatory
Warmer, windy weather is better	Helps disperse vapors
Colder, calmer weather isn't good	Vapor cloud stays more concentrated, greater risk of health or explosion hazard

**18.7.2. Gasoline NAERG GUIDE 128 Placard 1203**

Type	Flammable liquid
Initial Isolation	330 to 660 ft
Tank fire isolate	1 mile
Decon	Use water, 10 gpm for 20 minutes, remove clothing
Vapor density > 1.0 (Air = 1) Molecular Weight about 72	Vapors will collect in low areas
B.P. = 102 F	Liquid at normal temperatures
Flash point = -45 F Vapor Pressure = 300 mm Hg	Liberates flammable vapors at normal temperatures.
Specific gravity = 0.7 (water = 1) Not soluble in water	Liquid will float on water
Auto ignition temp = 530 F	Vapors will ignite by any arc or spark
Vapors are a health hazard attacking the central nervous system.	SCBA mandatory
Warmer weather increases evaporation	More flammable vapors being liberated

**18.7.3. Anhydrous Ammonia NAERG Guide 125 Placard 1005**

Type	Gases-Corrosive
Initial Isolation	330-660 ft
Tank fire isolate	1 mile
Decon	Use water, 10 gpm for 20 minutes; remove clothing
Molecular Weight = 17	Gas will initially go to low places because it is cold; but as it warms up, it will have a tendency to rise.
B.P. = -28 F	Gas at normal temperatures
Vapor Pressure = 129 psi	Liquified gas/container under pressure
Miscible	Mixes with water, corrosive run-off
Explosive range 15% - 28%	May create explosive atmosphere when gas is confined. Should be treated as an explosive gas when released inside a structure or enclosed area.
Auto ignition temp = 1274 F	May find ignition source from arc, spark, or open flame.
IDLH = 300 ppm (0.003%)	SCBA mandatory
Warmer, windy weather is better	Helps disperse vapors
Colder, calmer weather isn't good	Vapor cloud stays more concentrated, greater risk of health or explosion hazard

**18.7.4. Sulfuric Acid NAERG Guide 137 Placard 1830**

Type	Corrosive-Water reactive
Initial Isolation	160-330 ft
Tank fire isolate	1/2 mile
Decon	Use water, 10 gpm for 20 minutes; remove clothing; transport
Reactive with organics and water	Do not apply water, violent reactions and harmful vapors
Specific gravity = 1.84, Miscible	Heavier than water, but mixes with water
Vapor Pressure = .001 mm Hg	Very minimal vapors in pure form. Readily forms vapors when it comes in contact with the environment, especially water.
Nonflammable	Won't burn, but can support combustion and may produce flammable gases, such as hydrogen.
Freezing point about 37 F	Could freeze in winter temperatures.
Temperature change in weather	Not much effect

**18.7.5. Chlorine NAERG Guide 124 Placard 1017**

Type	Gas-Toxic and/or Corrosive-Oxidizing
Initial Isolation	For large spill, 900 ft; downwind, 4.2 miles (night)
Tank fire isolate	1/2 mile
Decon	Use water, 10 gpm for 20 minutes; remove clothing
Vapor density = 2.67 Molecular weight = 71	Gas is heavier than air, will collect in low places
B.P. = -29 F	Gas at normal temperatures
Vapor Pressure = 100 psi	Liquified gas/container under pressure
Nonflammable – strong oxidizer	Violent reaction with ammonia, acetylene, fuels
Miscible	Mixes with water, toxic run off
IDLH = 10 ppm (0.0001%)	SCBA mandatory
Warmer, windy weather is better	Helps disperse vapors
Colder, calmer weather isn't good	Vapor cloud stays more concentrated, greater risk of health or explosion hazard

**18.7.6. Carbon Monoxide NAERG Guide 119 Placard 1016**

Type	Gases-flammable
Initial Isolation	330-660 ft
Tank fire isolate	1 mile
Decon	Move to fresh air
Molecular weight = 28 (air = 29)	Vapors are buoyant in air
B.P. = -313 F	Gas at normal temperatures
Vapor Pressure = 514 psi	Gas at high pressure in container
Explosive range: 12.5% to 74%	Wide explosive range
Auto ignition temperature = 1166 F	May find ignition source from arc, spark, or open flame
IDLH = 1200 ppm (0.12%); colorless, odorless	SCBA mandatory, use monitor
Warmer, windy weather is better	Helps disperse vapors
Colder, calmer weather isn't good	Vapor cloud stays more concentrated, greater risk of health or explosion hazard

**18.7.7. WMD Chemical      NAERG Guide 153**

Type	WMD Chemical; SCBA mandatory, use monitor
Decon	Use water, 10 gpm for 20 minutes, remove clothing, administer nerve agent antidote (if applicable) and transport
Vapor pressure and vapor density: most WMD chemicals have low VP and large VD.	Most do not give off significant vapors, but if they do, are much heavier than air
Explosive range = ???	Most are not flammable
IDLH = most are low	Toxic, SCBA, and skin protection mandatory
Warmer, windy weather is not so good	Helps spread the agent
Colder, calmer weather is better	Will help reduce the spread of agent.

**18.7.8. WMD – Biological** NAERG Guide 158

Type	WMD Biological; SCBA mandatory
Decon	Use water, 10 gpm for 20 minutes, remove clothing
Most are spores or in aerosol form	Will move with air currents
Explosive range = 0	Not flammable
Infective dose = most are low	Toxic and SCBA mandatory
Warmer, windy weather is not so good	Helps spread the agent
Colder, calmer weather is better	Will help reduce the spread of agent.

## 18.8 Improvised CBRN & Explosive Devices

### 18.8.1. Improvised Chemical Devices (ICD)

Nomenclature	Probability & Pathology	Evidence	Initial Incident Actions
Local hazardous materials sites used against community	Weapons grade warfare agents not employed to date	Any container that has been breached without cause	Follow RRG safety protocols. Stay upwind and uphill of incident. ERG GP 153.
Small explosive device or charge designed to breach containers at fixed site facility	Improvised devices could be used by criminals or terrorists  Dispensing a hazardous chemical could be accomplished easily; chemicals can be stolen or acquired.  People poisoning symptoms, use SLUDGE:  S: salivation L: lacrimation U: urination D: defecation G: gastro-intestinal distress E: emesis	Any abandoned pressure and non-pressure container	PPE: SCBA and F/F turnouts in the Cold Zone.
Transportation containers with explosive device to contaminate community		Any explosion that may have caused a spill or leak	SCBA and Level B in the warm zone  Decon patients prior to initiating treatment
Nonbulk containers left in a facility with Hazardous/Toxic chemical with timer		Any container out of place	Remove outer garments, leave under garments on  Using water to decon is good; using a foam (CAFS) and water rinse is better.
Chemical weapon or dispensing device to atomize liquid.		Events and venues that report a release or odor	
		Sick people inside a facility with rapid on-set of like symptoms	

**18.8.2. Improvised Biological Device (IBD)**

Nomenclature	Probability & Pathology	Evidence	Initial Incident Actions
<p>Biological contamination – bacterial, toxin and viral agents must have a host to survive (except anthrax).</p>	<p>Biological agents are difficult to culture and most will not survive outside of a host. Sunlight kills most viral and bacterial agents.</p>	<p>Community has a number of unexplained illnesses as tracked by public health.</p>	<p>Follow public health recommendations            ERG GP: 158            PPE: universal precautions for infectious disease control.            Not an emergency.            Reported white powders: call public health, take names, numbers and addresses. All employees wash hands. Seek treatment if further symptoms appear,.</p>
	<p>Inhalation and ingestion are the primary routes of exposure.</p>		
<p>Container may be herbicide sprayer, spray can, or some other device to spread the agent.</p>	<p>Typically, flu like symptoms that progressively worsen.</p>	<p>RP may report white powder or suspicious container.</p>	
<p>Incubation periods are on the order of 1-7 days, so people experiencing or complaining of health problems at “powder calls” are usually psychosomatic.</p>			

**18.8.3. Improvised Explosive Device**

Nomenclature	Probability & Pathology	Evidence	Initial Incident Actions
Pipe bombs to Rider Rent trucks w/ ANFO (ammonium nitrate and fuel oil)	So far, the WMD tool of choice.	Detonation and rubble pile	Detonation: stay out of line of sight and take cover.
	Mechanical injury and burns. May include other WMD materials.	Unexploded, any device in any shape. Usually metallic.	Rescue those outside of the collapse zone. Grab and go.
	Inhaling particulates from building collapse will have long-term health consequences.		Patient treatment starts when out of the line of sight, outside of the collapse zone. PPE: SCBA and Turnouts Unexploded: follow bomb threat standoff (section ???).

**18.8.4. Improvised Radiological Device**

Nomenclature	Probability & Pathology	Evidence	Initial Incident Actions
<p>Low level radiological source (industrial or medical equipment) with explosive device to disperse radiological material.</p>	<p>Materials are available and technology is low. However, high level radiological devices are tightly controlled.</p>	<p>Reading on radiological meter greater than background.</p>	<p>Approach uphill and upwind. ERG GP 165 PPE: F/F Turnouts</p>
	<p>Ingestion/inhalation is the primary route for alpha and beta particles and is extremely hazardous.</p>	<p>10 mR/hr considered action level. Small explosion. Radiological container with DOT markings.</p>	<p>Taking meter readings to mark hot zone Walking patients decon by removing clothing; if meter registers contamination, then wash with water.</p>



## 19. Bomb Incident Response

### 19.1 Bomb Threat Standoff Distances

Threat Description	Explosives Capacity (TNT equivalent)	Building Evacuation Distance	Outdoor Evacuation Distance
Pipe bomb	5 lbs	70 ft	850 ft
Homicide belt	10 lbs	90 ft	1,080 ft
Homicide vest	20 lbs	110 ft	1,360 ft
Briefcase/suitcase bomb	50 lbs	150 ft	1,850 ft
Compact car	500 lbs	320 ft	1,500 ft
Sedan	1,000 lbs	400 ft	1,750 ft
Passenger/cargo van	4,000 lbs	640 ft	2,750 ft
Small moving van (single); delivery truck	10,000 lbs	860 ft	3,750 ft
Moving van (tandem)	30,000 lbs	1,240 ft	6,500 ft
Semi-trailere	60,000 lbs	1,570 ft	7,000 ft

## 20. Confined Space Incident Response

### 20.1 Definitions

A confined space is large enough to physically enter, but is not designed for continuous employee occupancy, and has limited entry and egress. The acceptable entry conditions for confined spaces are:

- Oxygen between 19.5% and 22.5%
- Lower Explosive Level (LEL) less than 10% of the products LEL
- Toxicity is less than the IDLH
- Monitor the atmosphere continuously

## 20.2 Benchmarks

Phase I Size Up	
Primary Assessment	<ul style="list-style-type: none"> <li><input type="checkbox"/> Secure witness or competent person</li> <li><input type="checkbox"/> Identify immediate hazards</li> <li><input type="checkbox"/> Location, number, condition of patients</li> <li><input type="checkbox"/> Secure entry permit</li> </ul>
Secondary Assessment	<ul style="list-style-type: none"> <li><input type="checkbox"/> What type of space</li> <li><input type="checkbox"/> Products in space or last in space</li> <li><input type="checkbox"/> Hazards: atmospheric, mechanical, electrical</li> <li><input type="checkbox"/> Diagram of space</li> <li><input type="checkbox"/> Structural stability of space</li> <li><input type="checkbox"/> Required personnel and equipment @ scene</li> <li><input type="checkbox"/> Additional resources necessary?</li> <li><input type="checkbox"/> Atmospheric monitoring; ventilation</li> <li><input type="checkbox"/> Strategy: offensive (rescue) or defensive (recovery)</li> </ul>
Phase 2: Pre-Entry Operations	
	<ul style="list-style-type: none"> <li><input type="checkbox"/> Initiate Fire Department Confined Space Rescue Permit</li> <li><input type="checkbox"/> Make general area safe by establishing a perimeter, evacuating (if necessary), and traffic &amp; crowd control</li> <li><input type="checkbox"/> Make rescue area safe by establishing/affirming accountability</li> <li><input type="checkbox"/> Secure hazards: lock-out, tag-out</li> </ul>

## 21. Trench Incident Response

### 21.1 Definitions

Any trench 4 ft deep or greater must have a means of egress within 25 ft of any worker. A trench with a hazardous atmosphere or a potential hazardous atmosphere that is 4 ft deep or greater must be monitored prior to employee entry.

An excavation 5 ft deep or greater must have an approved protective system to protect employees from cave-ins. Protective systems shall be placed from the top working down

and removed from the bottom working up so as to protect the employee during construction or removal.

Many Fire Departments consider all soils to be “Type C” and protective systems and practices shall be used accordingly. Timber shoring should be designed by a state-licensed engineer.

## 21.2 Benchmarks

Phase I Size Up	
Primary Assessment	<input type="checkbox"/> Secure witness or competent person <input type="checkbox"/> Identify immediate hazards <input type="checkbox"/> Location, number, condition of patients
Secondary Assessment	<input type="checkbox"/> Trench collapse: YES NO <input type="checkbox"/> Proper equipment & personnel on scene: YES NO <input type="checkbox"/> Additional resources necessary: ventilation, shoring, retrieval system
Phase 2: Pre-Entry Operations	
	<input type="checkbox"/> Traffic control <input type="checkbox"/> Crowd control <input type="checkbox"/> Heavy equipment shut down <input type="checkbox"/> Establish zones: Hot (< 50’); Warm (50-150’); Cold (150’ out to 300’) <input type="checkbox"/> Make rescue area safe <input type="checkbox"/> Establish accountability and lobby control <input type="checkbox"/> Secure hazards: gas, electric, utilities <input type="checkbox"/> Place ground pads <input type="checkbox"/> De-water trench from outside trench <input type="checkbox"/> Monitor trench from outside trench <input type="checkbox"/> Ventilate from outside trench
Phase 3: Rescue Operations	
	<input type="checkbox"/> Make trench lip safe: assess spoil pike and approach from ends <input type="checkbox"/> Place/affirm ground pads

## 22. Earthquake Incident Response

### 22.1 Earthquake Scales

Moment Magnitude	Richter Magnitude	Mercalli Intensity	Description
1.0 – 3.0	2	I	Usually not felt, detected by instruments
3.0	2	II	Felt by few, especially on upper floors of buildings detected by instruments
3.9	3	III	Felt noticeably indoors, vibration like a passing vehicle, cars may rock
4.0		IV	Felt indoors by many, outdoors by a few; dishes and doors disturbed; like a heavy truck passing
4.9	4	V	Felt by most people, slight damage; some dishes and windows broken; some cracked
5.0	5	VI	Felt by all; many frightened people who might run outdoors; damage minor to moderate
5.9	5-6	VII	Everyone running outdoors; much damage to poorly designed buildings; some chimneys broken; noticed by people driving cars
6.0	6	VIII	Everyone runs outdoors; damage is moderate to major. Damage is minor in well designed structures and major in poor designs. Chimneys, columns, and walls might fall; heavy furniture overturned; well water changes; sand and mud ejected.
6.9	7	IX	Major damage in all structures; ground cracked; pipes broken; foundations may shift

7.0+	7-8	X	Major damage; most masonry and frame structures destroyed. Ground badly cracked; landslides; water sloshed over river banks; rails bent.
	8	XI	Almost all masonry structures destroyed; bridges fall; big fissures in ground; land slumps; rails severely warped.
	8 and above	XII	Total destruction. Ground surface waves seen and objects thrown up into the air. All construction destroyed.

**23. USAR Building Marking System – Engineering Reference**

**23.1 General**

A uniform building marking system has been developed by the National US&R Response System. There are 4 categories of structural markings:

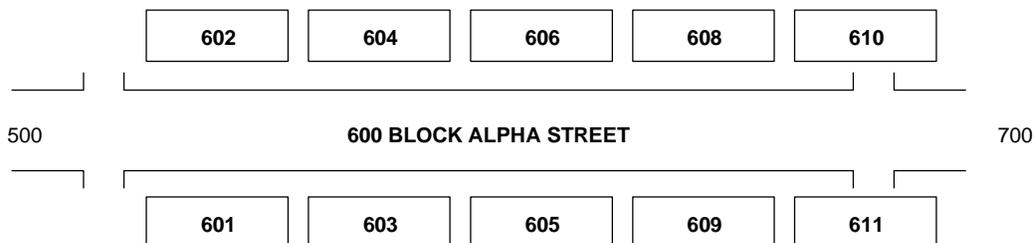
- Identification Marking
- Structure/ Hazards Evaluation Marking
- Victim Location Marking
- Search Assessment Marking

The building marking system was established to ensure:

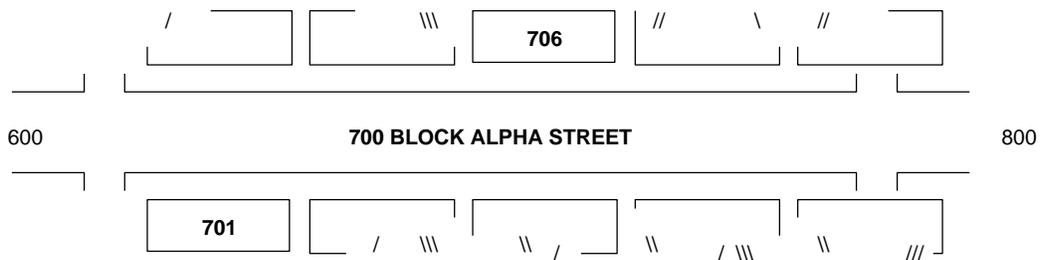
- Differentiation of structures within a geographic area
- Communicate the structural condition and status of US&R operations within the structure

**23.2 Building Identification Marking**

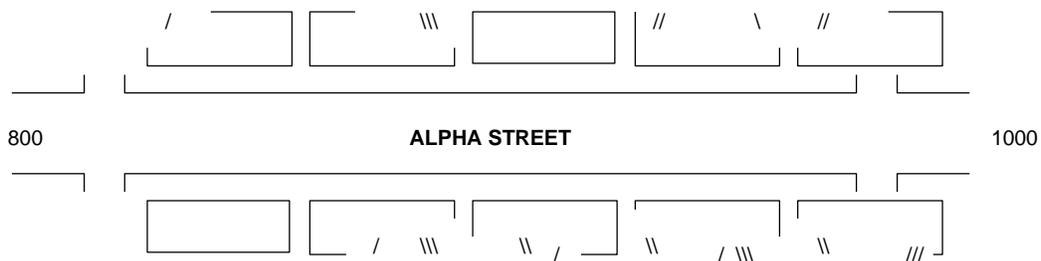
Identification markings on structures should be made with International Orange spray paint and placed on the building surface. Identification markings should be placed on the normal address side of the structure.



If at all possible, the existing street name and building number will be used. If some previously existing numbers are obliterated, an attempt should be made to reestablish the numbering system based on nearby structures.

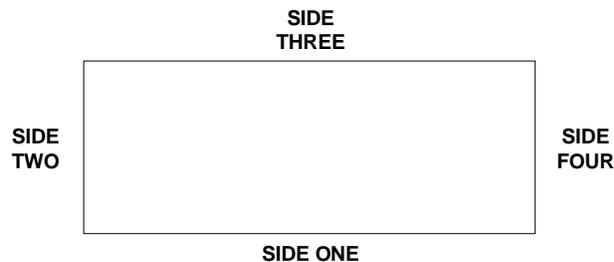


If no numbers are identifiable on the given block, then US&R personnel will identify the street name and number based on other structures in proximity to the site and the structures will be assigned appropriate numbers to differentiate them.



It is also important to identify locations within a single structure.

The address side of the structure shall be defined as Side Alpha. Other sides of the structure shall be assigned numerically in a clockwise manner from Side Alpha (Side Bravo, Side Charlie, Side Delta).

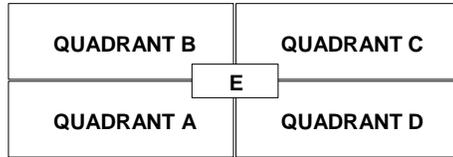



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700 BLOCK ALPHA STREET

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The interior of the structure will be divided into QUADRANTS. The quadrants shall be identified ALPHABETICALLY in a clockwise manner starting from where the side Alpha and side Bravo perimeters meet. The center core, where all four quadrants meet, will be identified as Quadrant E (i.e., central core lobby, etc.).




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700 BLOCK ALPHA STREET

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Multi-story buildings must have each floor clearly identified. If not clearly discernable, the floors should be numbered as referenced from the exterior. The grade level floor would be designated floor 1 and, moving upward the second floor would be floor 2, etc. Conversely, the first floor below grade level would be B-1, the second B-2, etc.

If a structure contains a grid of structural columns, they should be marked with 2' high, orange letters/numbers and used to further identify enclosed areas. If plans are available, use the existing numbering system. If plans are not available, number the columns across side Alpha starting from the left, and letter the columns from side Alpha to side Delta, starting with "A" at side Alpha. The story level should be added to each marked column, and be placed below the column location mark. Example: "FL-2" = Floor 2.

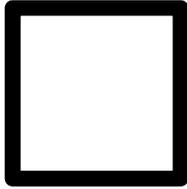
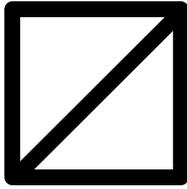
### 23.3 Structural & Hazards Evaluation Marking

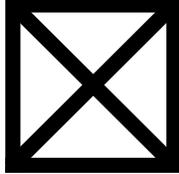
The Structural Specialist (or other Task Force member as appropriate) will outline a 2' X 2" square box at any entrance accessible for entry into the structure. The box will be made with **international orange spray paint**.

It is important that an effort is made to mark all normal access points to ensure that approaching task force personnel can identify that it has been evaluated and discern its condition.

Specific markings will be made inside the box to indicate the condition of the structure and any hazards **AT THE TIME OF THIS ASSESSMENT**.

An arrow will be placed next to the box indicating the direction of the safe entrance, if the markings must be made somewhat remote from the safe entrance.

	Structure is accessible and safe for search and rescue operations. Damage is minor with little danger of further collapse.
	Structure is significantly damaged. Some areas are relatively safe, but other areas may need shoring, bracing, or removal of falling and collapse hazards. The structure may be completely pancaked.

	<p>Structure is not safe for search and rescue operations and may be subject to sudden additional collapse. Remote search operations may proceed at significant risk. If rescue operations are undertaken, safe haven areas and rapid evacuation routes should be created.</p>
	<p>Arrow located next to a marking box indicates the direction to the <u>safe</u> entrance to the structure, should the marking box need to be made remote from the indicated entrance.</p>
<p><b>HM</b></p>	<p>Indicates that a Hazardous Material (Haz Mat) condition exists in or adjacent to the structure. Personnel may be in jeopardy. Consideration for operations should be made in conjunction with the Hazardous Materials Specialist. Type of hazard may also be noted.</p>

The following information; TIME, DATE, and SPECIALIST ID, will also be noted outside the box at the upper right-hand side. This information will be made with pieces of carpenter's chalk or lumber crayon. An optional method may be to apply duct tape to the exterior of the structure and the detailed information written on the tape with a grease pencil or black magic marker.

All task force personnel must be aware of other Structure/Hazards Evaluation markings made on the interior of the building. As each subsequent assessment is performed throughout the course of the mission, a new TIME, DATE, and SPECIALIST ID entry will be made (with carpenter's chalk or lumber crayon) below the previous entry, or a completely new marking box made if the original information is now incorrect.

The following illustration shows the various components of the Structure/Hazards Evaluation marking system:



The depiction above indicates that a safe point of entry exists above the marking (possibly a window, or upper floor, etc.). The single slash across the box indicates the structure may require some shoring or bracing before continuing operations. The assessment was made on August 16<sup>th</sup>, 2005, at 1:10 PM. There is an apparent indication of natural gas in the structure. This evaluation was made by the South Task Force out of the State of Oregon. It should be understood that this building would not be entered until the Haz Mat (natural gas) had been mitigated. When performed, the marking should be altered by placing a line through the "HM", and adding the time and task force who performed the mitigation. An entirely new mark could also be added when the mitigation is done, or after any change in conditions such as an aftershock.

## 23.4 Victim Location Marking System

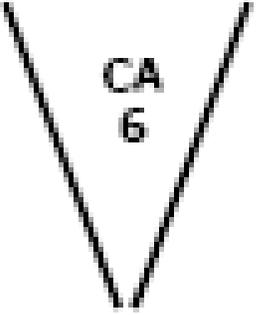
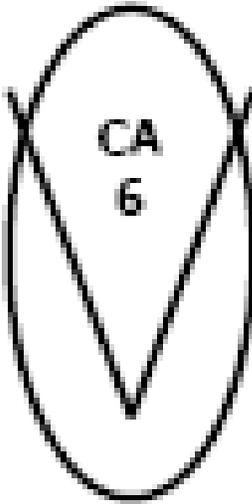
During the search function it is necessary to identify the location of potential and known victims. The amount and type of debris in the area may completely cover or obstruct the location of any victim.

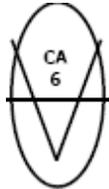
The victim location marks are made by the search team or others aiding the search and rescue operations whenever a known or potential victim is located and not immediately removed.

The victim location marking symbols should be made with orange spray paint (using line marking or “downward” spray cans) or orange crayon.

The victim location marking symbols and numbers of victims, if known, must be kept on the developing site map during the search of the structure or area.

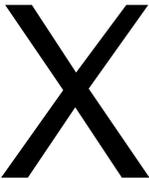
The following illustrates the marking symbols:

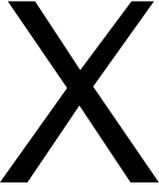
<p>A large (approx 2ft) “v” is painted near the location of the known or potential victim. An arrow may need to be added next to the “V” pointing towards the victim’s location if not clearly visible or is not immediately nearby where it is practice to paint the “v”.</p> <p>Paint the US&amp;R Task Force identifier in the top part of the “V”.</p>	 A large inverted V shape is drawn with two lines meeting at a point at the bottom. Inside the V, the letters 'CA' are written above the number '6'.
<p>Paint a circle around the “V” when the location of a potential victim has been <b>Confirmed</b> either visually, vocally, or by hearing sounds that would indicate a high probability of a victim.</p> <p>Confirmation may be done when the victim is initially located or after partial debris removal.</p> <p>Confirmation may be done with use of specialized search equipment such as video or fiber optic cameras. A canine alert will normally be considered an unconfirmed victim location, even if the alert is confirmed by a second canine. However, such a confirming canine alert should be interpreted as a highly probable victim location.</p>	 A large inverted V shape is drawn with two lines meeting at a point at the bottom. This V is enclosed within a circle. Inside the V, the letters 'CA' are written above the number '6'.

<p>Paint a horizontal line through the approximate middle of the "V" when the victim is <b>Confirmed</b> to be deceased.</p>	
<p>Paint an "X" through the <b>Confirmed</b> victim symbol after all victims have been removed from the specific location by the marking.</p> <p>Paint new victim symbols next to additional victims that are later located near where the original victim(s) were removed (assuming original symbol has been "X"ed out).</p>	

### 23.5 Search Assessment Marking

A separate and distinct marking system is necessary to denote information relating to the victim location determinations in the areas searched. This separate Search Assessment marking system is designed to be used in conjunction with the Structure/Hazards Evaluation marking system. The Canine Search Specialists, Technical Search Specialists, and/or Search Team Manager (or any other task force member performing the search function) will draw an "X" that is 2' X 2' in size with International Orange color spray paint. This X will be constructed in two operations - one slash drawn upon entry into the structure (or room, hallway, etc.) and a second crossing slash drawn upon exit.

	<p>Single slash drawn upon entry to a structure or area indicates search operations are currently in progress.</p>
	<p>Crossing slash personnel exit from the structure or area.</p>

<p><b>OR-TFS</b></p> 	<p>LEFT QUADRANT - FEMA US&amp;R Task Force identifier</p>
<p><b>7/15/91</b> <b>1400 hr</b></p> 	<p>TOP QUADRANT - Time and date that the Task Force personnel left the structure.</p>
 <p><b>RATS</b></p>	<p>RIGHT QUADRANT - Personal hazards.</p>
 <p><b>2 - LIVE</b> <b>3 - DEAD</b></p>	<p>BOTTOM QUADRANT - Number of live and dead victims still inside the structure. ["0" = no victims]</p>

**24. Collapse Incident Response**

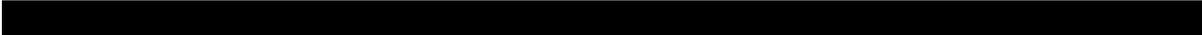
Phase I Size Up	
<p>Primary Assessment</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Stay away from damaged buildings!</li> <li><input type="checkbox"/> Secure witnesses or responsible person(s)</li> <li><input type="checkbox"/> Determine location, number and conditions of patients/victims</li> <li><input type="checkbox"/> Determine intact access to patients, possibility to improve</li> </ul>

	<input type="checkbox"/> Is there a way out for responders? <input type="checkbox"/> Can you make more? <input type="checkbox"/> Determine location and number of buildings involved	
Secondary Assessment	<input type="checkbox"/> Type of building <input type="checkbox"/> Building construction type <input type="checkbox"/> Assess hazards: secondary collapse, gas, electric, water <input type="checkbox"/> Assess needs for additional personnel: search dogs, ARC, structural engineer <input type="checkbox"/> Assess need for additional equipment: 100 ton cranes, heavy equipment <input type="checkbox"/> Assess transportation conditions: establish transportation corridor <input type="checkbox"/>	
Subdivide incident organization	<input type="checkbox"/> Safety <input type="checkbox"/> Building triage <input type="checkbox"/> Search <input type="checkbox"/> Air Ops <input type="checkbox"/> HAZMAT <input type="checkbox"/> Staging	<input type="checkbox"/> Accountability <input type="checkbox"/> Extrication (tech rescue) <input type="checkbox"/> Medical – MCI plan <input type="checkbox"/> Information <input type="checkbox"/> LE Liaison <input type="checkbox"/> PIO
Phase 2: Rescue Operations		
<input type="checkbox"/> Remove surface patients <input type="checkbox"/> Make general area safe (traffic, etc) <input type="checkbox"/> Make rescue area safe – secure utilities <input type="checkbox"/> Establish perimeter – deny access <input type="checkbox"/> Establish transportation corridor <input type="checkbox"/> Establish Treatment & Transport areas and morgue – patient accountability <input type="checkbox"/> Remove non-essentials from rescue area <input type="checkbox"/> Establish building triage teams <input type="checkbox"/> Establish planning process for building search teams and rescue teams		

- Transfer patients to treatment
- Selective debris removal to support rescues

Action Plan for Specific Building

- Determine structure type
- Interview neighbors, survivors to determine how many potential victims and points last seen
- Obtain building plan or draw crude plan
- Probably location of voids
- Best access
- Multiple, hardened exits for responders
- Basements
- Move info to supervisor and to planning function
- Use call out – listen search techniques



## 25. Interface Fire Incident Response

### 25.1 Benchmarks

Primary All Clear and Fire Control		
Challenge & Verify	<ul style="list-style-type: none"> <li><input type="checkbox"/> LCES: right here, right now – SZs first, commo, Lookouts, escape routes</li> <li><input type="checkbox"/> Survivability of structures &amp; people = FFs ability to meet LCES, right there, right now</li> <li><input type="checkbox"/> Protect savable lives – remove people from the fire and/or fire from the people, CFs</li> <li><input type="checkbox"/> Fire behavior prediction for the site: find the fire, cut the fire off, TI, exposures</li> <li><input type="checkbox"/> Where is smoke going? Fire will follow; people are notified of the hazard</li> </ul>	
Strategy & Tactics & Orders	Offensive when Fs are in LCES and the hazard is behaving. Go defensive when FFs can not do LCES or fire isn't behaving.	
Notify of Evac Order LCES & predict FBx Customer accountability Deny access	Defend the Structure LCES & predict FBx Triage LCES by structure Primary Search - mitigate	Attack the Fire LCES & predict FBx Pick fight that favors FFs Protect exposures
TO DO		
<ul style="list-style-type: none"> <li><input type="checkbox"/> Establish on deck: forward deploy, brief, recon (TI), improve egress, establish Triage</li> <li><input type="checkbox"/> Access &amp; Egress: open up new access &amp; egress; access in and out, mark routes</li> <li><input type="checkbox"/> Check for extension: all sides, spotting, downwind, upslope, burned/unburned line</li> <li><input type="checkbox"/> Check for extension in exposures: layers/voids/loss control (TI)</li> </ul>		<ul style="list-style-type: none"> <li><input type="checkbox"/> Supply water to pumper: offensive – lay in or first tanker, direct connect</li> <li><input type="checkbox"/> Secondary search/All Clear: occupant/customer accountability; customer care</li> <li><input type="checkbox"/> Rehab: set up, connect w/ EMS</li> <li><input type="checkbox"/> Aggressive loss control</li> <li><input type="checkbox"/> Assign liaison to PIO and customer care</li> </ul>

## 26. Wildland Fire Incident

### 26.1 Wildland Fire Behavior & Weather Interpretations

Winds	Major factor in spread of fire, spotting. A breeze is of concern if fire is in light fuels, such as grass. Wind over 15 mph can cause fire in dry 1000 hr fuels to run
Aspect	The direction a slope faces. Major factor in intensity. Southwest: lots of afternoon solar pre-heat, will burn hard & fast
Slope	The steeper the slope, the harder and faster a fire will burn.
Temperatures	Maximum @ 85 F or above is noteworthy
1000 hr fuels	% fuel moisture in 3" and bigger fuels 12% or less is critical; % fuel moisture in fuels < 1/4" (grass, brush) < 7% is critical fire behavior indicator
Burning Index	Temps and winds; rate of fire spread; 60+ is noteworthy
Energy Release Component	How hot will the fuels burn? 50+ is noteworthy
Haines Index	Probability of extreme fire behavior; 5 or 6 rating out of max. of 6 is critical
Humidity Recovery	Especially in light fuels (grass); 40% or less indicates active burning, active patrol

### 26.2 Triage Factors for Structure Protection in the Interface

#### Positive factors

- A structure on a ridge with the roadway or driveway on the opposite side from the approaching fire
- A structure with 100 feet or more of clearance and no ornament vegetation near the weak points of the structure
- A structure where safety zones are obvious (large green areas or natural barriers)
- Fire Approaching from a higher elevation than the structure you're protecting, with little or no wind
- A backing fire (fire burning against the wind toward your location)
- A north or east aspect. Because of lower fuel temperatures, & higher fuel moisture, structures on these aspects are generally safer to protect provided wind speed is low (less than 15 mph)

- An available source of water, such as a hydrant, private water tank, swimming pool, spa, or garden hose supply. We recommend connecting to a hydrant if one is available and you plan on staying.

Negative factors:

- Any structure on a slope (mid-slope structure) with the fire approaching from below
- A structure that is in a draw (the terrain in an in-turn), or in a saddle
- A structure that is w/o defensible space, or in a saddle
- A structure that will require locating your engine between the structure and the fire without adequate defensible space
- A structure that has considerable vegetation (ornamental or native) impinging on it
- A structure that has an LPG tank that is impacted or exposed with brush or other combustibles
- A structure or road that has trees surrounding it, or branches entwined from tree to tree, giving the structure or road the appearance of being in a tunnel or cave
- A steep slope below the structure
- Heavy fuel below your location
- A structure that looks like a junkyard with considerable flammable, easily ignitable material, such as old construction wood, piles of brush or leaves
- A south, southwest, or west aspect (the direction the slope faces). These aspects are the most hazardous on which to defend a structure & will require additional defensible space.
- Time of day which should be considered as a unit with aspect. We highly recommend Campbell's Fire Prediction System class to improve your size-up or triage ability
- Fuel type and height. Sagebrush will burn much faster than the heavier fuels, especially if they have grasses as a component of their fuel bed. These are considered light, flashy fuels.
- No water source or limited water source. Remember, don't bet crew member lives, or apparatus, on water supply or a hose line
- A wood-sided structure or one with a wood shingle roof