HazMat Team Typing Program for California

Presented by:
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Division Chief
Special Operations
Fire Rescue Division
Overview

• FIRESCOPE
• ICS System
• State Master Mutual Aid
• Resource Typing
• HazMat Equipment List (SEL)
• HM Team Typing Criteria
• SEL
Overview (Cont)

- Inspection Process
- Documentation & Reports
- Activation of Teams
- Grant Audit Program
FIRESCOPE

- Firefighting Resources of California Organized for Potential Emergencies

Development of an ALL-RISK Incident Management and Multi-Agency coordination system, to enhance and encourage full participation by the California fire service in the statewide Fire Rescue Mutual Aid System, and to develop and maintain the FIRESCOPE Incident Command System (ICS) and the Multi-Agency Coordination System (MACS).
• Formed about 1971

• Original Focus:
  • Develop and provide an ICS system and concept for Wildland Fires
  • Borrowed concepts and terminology from US Military (Army)
  • Management of 100’s to 1000’s of personnel (per incident)
  • Assignment of 100’s to 1000’s of resources
• Extensions:
  • 1981 Developed “Hi-Rise” Module
  • 1985 Developed “Swift Water Rescue” Module
  • 1989 Developed “Haz-Mat” Module
  • 1991 Developed “Multi-Casualty” Module
  • 1993 Developed “Urban Search & Rescue” Module
  • 2003 Developed “Terrorism” Module

http://www.firescope.org/ics-forms.htm
• MELD “ICS” INTO THE STATE MASTER MUTUAL AID SYSTEM:

http://www.oes.ca.gov/Operational/OESHome.nsf/PDF/FirePDFs/$file/MutualAidPlan3-05.pdf
**RESOURCE TYPING**

*Resources*
- Based on Capability

*Typing*
- Based on numerous intervention “Criteria”

*Type “1”*
- Is always the highest capability

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### PRIMARY MOBILE SUPPRESSION RESOURCES

Minimum ICS Standards

<table>
<thead>
<tr>
<th>RESOURCE</th>
<th>RADIO CALL</th>
<th>COMPONENTS</th>
<th>TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Company</td>
<td>Engine Telequint</td>
<td>Pump: 1,000 GPM 400 Gal. 1,200 Ft. 400 Ft. 200 Ft. 500 GPM 400 Gal. 1,000 Ft. 500 Ft. 20 Ft. Ext. Master Stream 500 GPM 4 Personnel</td>
<td>1: 120 GPM 300 Gal. 1,000 Ft. 500 Ft. 20 Ft. Ext. 2: 120 GPM 300 Gal. 1,000 Ft. 500 Ft. 20 Ft. Ext. 3: 120 GPM 300 Gal. 1,000 Ft. 500 Ft. 20 Ft. Ext. 4: 120 GPM 300 Gal. 1,000 Ft. 500 Ft. 20 Ft. Ext.</td>
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<tr>
<td>Truck Company</td>
<td>Truck Aerial</td>
<td>75 FL. 50 FL. 500 GPM 115 FT. Personnel</td>
<td>1: 75 FL. 50 FL. 500 GPM 115 FT. 2: 75 FL. 50 FL. 500 GPM 115 FT. 3: 75 FL. 50 FL. 500 GPM 115 FT. 4: 75 FL. 50 FL. 500 GPM 115 FT.</td>
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<tr>
<td>Water Tender</td>
<td>Water Tender</td>
<td>Pump: 300 GPM 2,000 Gal. 4</td>
<td>1: 120 GPM 1,000 Gal. 50 GPM 1,500 GPM 2: 120 GPM 1,000 Gal. 50 GPM 1,500 GPM 3: 120 GPM 1,000 Gal. 50 GPM 1,500 GPM 4: 120 GPM 1,000 Gal. 50 GPM 1,500 GPM</td>
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<tr>
<td>Brush Patrol</td>
<td>Patrol Aerial</td>
<td>Pump: 15 GPM 150 Ft. 1.5 GPM 150 Ft. 4</td>
<td>1: ALS 2: BLS 3: ALS 4: BLS</td>
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<tr>
<td>Medical/Non Transport</td>
<td>Rescue, Squad, Medic Engine</td>
<td>Non Transport, capability and personnel determined by local EMS authority</td>
<td>ALS BLS</td>
</tr>
<tr>
<td>Medical/Transport</td>
<td>Ambulance, Medic</td>
<td>Transport, capability and personnel determined by local EMS authority</td>
<td>ALS BLS</td>
</tr>
</tbody>
</table>

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*Engine with elevated stream capability, specify when requested.*
• Three “Types”
• Based upon 13 Performance Criteria
  • Field Testing
  • Air Monitoring
  • Sampling
  • Radiological Detection
  • CPC Ensembles
  • CPC Gloves, Boots
  • Technical Reference
  • Special Intervention
  • Decontamination
  • Communications
  • Respiratory Protection
  • Training / Staffing

IN A NUT SHELL:

- **Type 3** – Known Industrial Chemicals
  (Liquids, Solvents, Powders)

- **Type 2** – Unknown Industrial Chemicals
  (Vapors, Gases, plus the above)

- **Type 1** – WMD / CBRN Capabilities
  (Nuclides, plus all the above)
STANDARDIZED EQUIPMENT LIST (SEL)

- In 3 “Parts”
  - Introduction/Use
  - Equipment List
  - Appendicies (Eight)

STANDARDIZED EQUIPMENT LIST (SEL)

- PART 2 of SEL
  - Equipment List Section
  - Includes a “Ground Floor” description for each Criteria
  - Includes itemized listing of equipment, each with its own specific description
  - Indicates Minimum Requirement
  - Indicates if the specific equipment item is required for each Team Type
STANDARDIZED EQUIPMENT LIST (SEL)

• Some of the 13 Criteria Sections are divided into smaller Sub-Sections

1. FIELD TESTING and DETECTION ................................................................. 14
   1.1 Color Change Analysis - Non-Electronic [Sub-Category] ................. 14
   1.2 Qualitative Analysis, Kits - Non-Electronic [Sub-Category] ........... 15
   1.3 Qualitative Analysis, Kits - Electronic [Sub-Category] ................. 16
   1.4 Colorimetric Analysis - Non-Electronic [Sub-Category] ............... 17
   1.5 WMD Biological Detection - Electronic ........................................... 17

2. AIR MONITORING .......................................................................................... 18

• Each with its own defining description
STANDARDIZED EQUIPMENT LIST (SEL)

- STANDARDS and CERTIFICATIONS

- The SEL also indicates if any other certifying requirement applies to the specified equipment item, such as:

  - UL
  - NIOSH
  - NFPA
  - FM Approved
  - EPA Protocol "B"
## STANDARDIZED EQUIPMENT LIST (SEL)

### SOME EXAMPLES

<table>
<thead>
<tr>
<th>Inv. #</th>
<th>Item Name and Description</th>
<th>Requirement</th>
<th>Certification Or Standard</th>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
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<tbody>
<tr>
<td>5.2.1</td>
<td>LIQUID SPLASH PROTECTIVE, NFPA 1992; Industrial Chemicals for liquid contact and splash protection (no vapor protection), can be jumpsuit style or multi-piece ensemble depending on manufacturer design.</td>
<td>6 – Type I Company</td>
<td>NFPA 1992</td>
<td>R</td>
<td>R</td>
<td>R</td>
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<td>5.2.2</td>
<td>LIQUID SPLASH PROTECTIVE, with NFPA 1994 Class 3 WMD Chemical / Biological Protection: A separate NFPA 1994 Class 3 WMD Chemical / Biological Protection Ensemble which provides for liquid splash protection in addition to protection than requirement for item 5.2.1.</td>
<td>4 – Type II Company Or either type</td>
<td>NFPA 1994, Class 3</td>
<td>R</td>
<td>Opt</td>
<td>NA</td>
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</table>

<table>
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<tr>
<th>Inv. #</th>
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<th>Certification Or Standard</th>
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<th>Certification Or Standard</th>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
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<tr>
<td>9.1.6</td>
<td>FIRE EXTINGUISHER, CLASS “D”, Sodium Chloride</td>
<td>Must have at least ONE.</td>
<td>FM Approval</td>
<td>R</td>
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<td>9.1.7</td>
<td>FIRE EXTINGUISHER, CLASS “D”, Copper compound formulation; Capacity 30 Lbs minimum; suited for lithium, lithium alloys.</td>
<td>Must have at least ONE.</td>
<td>FM Approval</td>
<td>R</td>
<td>R</td>
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HMRT INSPECTION PROGRAM

- LETTER OF INVITE
- REQUEST AN INSPECTION
- IDENTIFY A “POINT OF CONTACT”
- SELECT RECOMMENDED DATE
- REVIEW INFORMATION PACKET
- REVIEW CD
- EQUIPMENT DISPLAY
- INSPECTION PROCESS
- DOCUMENTATION
Leonardo da Vinci is considered one of the greatest minds in history, known for his contributions to art, science, and engineering. He was a universal genius who excelled in a wide range of fields, from painting to architecture to mathematics. His work on the human body, particularly his anatomical drawings, revolutionized the way artists and scientists approached the study of the human form. Da Vinci's approach to problem-solving was characterized by a deep curiosity and a willingness to explore new ideas, which are still inspiring to this day.

To quote the famous mathematician John von Neumann: "You cannot prove that a computer is a machine, but you can prove that a computer is not a machine. It is a machine, but it is not a machine. It is a machine, but it is not a machine. It is a machine, but it is not a machine."
HMRT INSPECTION PROGRAM
REQUEST AN INSPECTION
ON AGENCY LETTERHEAD

• From Fire Chief

“The City of Fresno Fire Department would like to request an assessment inspection for the typing of resources as part of the Californian Fire Resources Inventory System”
HMRT INSPECTION PROGRAM

POINT-OF CONTACT PERSON

IDENTIFIES A LEAD POINT

- To whom information is to be sent
- Identifies Unit
- Identifies inspection Type
- Identifies Location
- Opens paper and electronic files
HMRT INSPECTION PROGRAM
SELECT INSPECTION DATE

SEVERAL MONTHS IN ADVANCE

- There is no rush
- Convenient to the "client"

<table>
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<th>Day</th>
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<td>11-01-12</td>
<td>Mon</td>
<td>AM, PM</td>
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<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>11-02-12</td>
<td>Tue</td>
<td>AM</td>
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<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>12-25-12</td>
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Recommended Inspection Dates Are As Follows:

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<th>Day</th>
<th>Timeframe:</th>
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<td>01-22-13</td>
<td>Mon</td>
<td>AM</td>
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<tr>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>02-21-13</td>
<td>Mon</td>
<td>AM</td>
</tr>
<tr>
<td>6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>04-27-13</td>
<td>Wed</td>
<td>AM, PM</td>
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</table>

We will contact you to let you know what specific day or days, and timeframe would work best for us. Timeframes are morning (0830 – 11:30) or afternoon (13:30 to 16:30). Inspection of one HMRT company takes about 2 to 3 hours.

To assure that you are ready for inspection, we recommend that you review the FIRESCOPE Standardized Hazardous Materials Equipment List, which is posted on the FIRESCOPE web-page [http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pdf](http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pdf). Further, Appendix “A”, “B”, and “C” can be used as a self-check. We will be using these same forms during the inspection process.
HMRT INSPECTION PROGRAM
REVIEW INFORMATION PACKET

INSPECTION PROGRAM BULLETINS

- Aids in preparing for a Haz-Mat Team Typing inspection
- 30 Bulletins

[ Hazardous Materials / 2010 OES HazMat CD / HazMat Team Typing 2010 / HMTT Bulletins ]
Fire & Rescue Branch
Hazardous Materials Section

BULLETIN #7 – R.E. SEL # 5.1.1, 5.1.5, 5.2.1, 5.2.2

NFPA CHEMICAL PROTECTIVE CLOTHING LABELING REQUIREMENTS FOR INDUSTRIAL SUBSTANCES

During a typical Haz-Mat Team Type I inspection, the inspection team will look and examine chemical protective clothing ensembles and individual items to ensure they meet minimum NFPA CPC standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory. Further, the inspection team will verify that the CPC have certifying labeling requirements. If there is no certifying labeling attached, the garment, ensemble, or individual item in all likelihood will not be found acceptable.

This bulletin is provided with information we hope will be helpful in assuring that CPC ensembles and individual items being considered for purchase do indeed meet labeling criteria and will pass inspection.

Garment Ensembles:
The National Fire Protection Association (NFPA) mandates in their Standards # 1991, 1992, and 1994 that ensembles meeting the testing criteria of a specified standard must have a certifying label attached to the inside of the certified suit ensemble. There are no exceptions. Typical NFPA wording excerpted from a standard reads in-part as follows.
EXAMPLES

- Bulletin # 21 explains the procedures on how to request a Haz-Mat Team Typing Inspection.
AIDS IN PREPARING FOR INSPECTION

- Contains numerous helpful files
- Tons of other additional information
FOR EXAMPLE

- Photo Documentation of Equipment
  - Contains photos, pictures, or drawings of every inventory item in the FIRESCOPE SEL
  - 256 Page
  - Is on the CD
Field Testing & Detection
(Color Change Analysis – Non-Electronic)

Test Strips, pH Paper, Packets
(pH “0” to pH “14”)

1.1.1
Air Monitoring
(Specialty Gas Capabilities)

Halogen Gases
Chlorine is Required, other Halogen Gases Optional
HMRT INSPECTION PROGRAM
EQUIPMENT DISPLAY
HMRT INSPECTION PROGRAM

INSPECTION PROCESS

• Compliance to the SEL is documented
**HMRT INSPECTION PROGRAM**

**INSPECTION PROCESS**

- **Inspection Record**
  - Is a 16 page document
  - Lists all SEL equipment items
  - And categorized by “Type”
  - Documents a “Pass” or a “Fail”
  - Inspection takes about 2 to 3 ½ hours
HMRT INSPECTION PROGRAM

INSPECTION PROCESS

• De-Briefing
  • Concludes the Inspection
  • Briefly discusses prognosis
  • Official documents will be mailed
  • “Where do we go from here?”
HMRT INSPECTION PROGRAM

DOCUMENTATION

• After-Inspection Report
  - - - if FAIL - - -
  • Lists all missing items that need to be acquired
  • Documents Training Record Compliance
  • Explains how to “Catch Up”
    • Copies of P.O.’s, photocopies, photographs
  • Discusses funding sources
• After-Inspection Report
  - - - if PASS - - -

• Certifies that HM Unit has met minimum requirements

• Certifies Team “Type”

• All equipment as inspected must respond upon “Activation”

• “..your agency must also insure that when activated and mobilized the staffing of your company shall always comply with the minimum as required (five for a Type 2)…”
HMRT INSPECTION PROGRAM DOCUMENTATION

- **Congratulatory Letter**

  - From Fire & Rescue Branch Chief
  - Addressed to the Chief of the respective agency

- Unit is placed in State Mutual Aid Database
- Contact information is added to Master Mailing lists
## HMRT INSPECTION PROGRAM DOCUMENTATION

- Teams That Have Been Typed and Certified

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### CERTIFIED HAZ-MAT TEAMS, BY TYPE

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>Operational and Local Identifier</th>
<th>Region</th>
<th>Unit Designation</th>
<th>Attained</th>
<th>Zip Code</th>
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<tbody>
<tr>
<td>Glendale City Fire</td>
<td>XLC-GLN</td>
<td>I</td>
<td>HM-24</td>
<td>2-26-08</td>
<td>91204</td>
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<tr>
<td>Vernon City Fire</td>
<td>XLE-VER</td>
<td>I</td>
<td>HM-151</td>
<td>5-14-09</td>
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<td>Santa Ana Fire</td>
<td>XOR-STA</td>
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<td>HM-9</td>
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<td>Ventura County Fire</td>
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<td>HM-50</td>
<td>6-23-10</td>
<td>93010</td>
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<tr>
<td>Alameda County Fire</td>
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<td>HM-12</td>
<td>3-10-08</td>
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<tr>
<td>Santa Clara County Fire</td>
<td>XSC-CNT</td>
<td>II</td>
<td>HM-2</td>
<td>12-16-09</td>
<td>95403</td>
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<td>Roseville City Fire</td>
<td>XPL-RSV</td>
<td>IV</td>
<td>HMRT-7</td>
<td>12-27-08</td>
<td>95623</td>
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<td>Sacramento City Fire</td>
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<td>IV</td>
<td>HMRT-30</td>
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<td>V</td>
<td>HMRT-1</td>
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<td>93703</td>
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<td>Fresno City Fire</td>
<td>XFR-FRN</td>
<td>V</td>
<td>HMRT-18</td>
<td>11-20-07</td>
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<td>U.S. Marin Corp Camp Pendleton</td>
<td>XSD-MCP</td>
<td>VI</td>
<td>HazMat 1</td>
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<td>Contra Costa County JPA</td>
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<td>San Ramon Fire Prot. Dist</td>
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<td>94506</td>
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<td>XSN-SSR</td>
<td>II</td>
<td>HM-2936</td>
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<td>95403</td>
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<td>Sunnyvale Dept. Public Safety</td>
<td>XSC-SNY</td>
<td>II</td>
<td>HM-2</td>
<td>6-1-10</td>
<td>94085</td>
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<td>Bakersfield Fire. Dept.</td>
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<td>Rescue 2</td>
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**HMRT INSPECTION PROGRAM DOCUMENTATION**

- **Inspection Results**

<table>
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<tr>
<th>REGION</th>
<th>INSPECTION REQUESTS RECEIVED (Agency Letter)</th>
<th>TOTAL Conducted</th>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 1 Pass</th>
<th>Type 1 Fail</th>
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<th>Type 3 Pass</th>
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<tr>
<td>TOTALS</td>
<td>50</td>
<td>40</td>
<td>19</td>
<td>17</td>
<td>4</td>
<td>12</td>
<td>7</td>
<td>9</td>
<td>8</td>
<td>1</td>
<td>3</td>
<td>22</td>
<td>18</td>
</tr>
</tbody>
</table>

These Must Jive:

<table>
<thead>
<tr>
<th>TOTAL Conducted</th>
<th>Type 1 Pass</th>
<th>Type 1 Fail</th>
<th>Type 2 Pass</th>
<th>Type 2 Fail</th>
<th>Type 3 Pass</th>
<th>Type 3 Fail</th>
<th>TOTAL PASS</th>
<th>TOTAL FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
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</tbody>
</table>
HMRT INSPECTION PROGRAM
CAL-OES ACTIVATION

• MOBILIZATION
  (Example - BULLETIN # 20 - 6 pages)
  • What happens after we pass typing inspection?
  • What are “Resources”? 
  • What is the “Response” criteria?
  • What is the “Staffing”
  • What do we do when we “get there”? 
  • Are there “Special Forms” we should use? 
  • How should we prepare for a possible activation?

[Image of a document showing a table with information on Hazardous Materials Teams]

38
• MOBILIZATION

• What are “Resources”?

1. **A Single Company Resource.** The request is for just one certified Haz-Mat Team company.
2. **A Haz-Mat Task Force.** The request is for several (usually up to five) resources but with different levels of typing, and a Task Force Leader. The Task Force may be pre-assembled and caravan to the incident, or may be directed to respond directly to the incident and form into the specified Task Force upon arrival.
3. **A Haz-Mat Strike Team.** The request is for several (usually up to five) resources all with the same level of typing (i.e. all Type 1), and a Strike Team Leader. The Strike Team may be pre-assembled and caravan to the incident, or may be directed to respond directly to the incident and form in the specified Strike Team upon arrival.
**HMRT INSPECTION PROGRAM**

**CAL-OES ACTIVATION**

- **MOBILIZATION**

- What is the “Response” criteria?

<table>
<thead>
<tr>
<th>Response Mode</th>
<th>Time Frame</th>
<th>Criteria</th>
</tr>
</thead>
</table>
| **INITIAL ATTACK:**    | Respond Instantly at time of activation request and dispatch (As quickly as is possible) | • Life and property imminently threatened  
• Closest available resources within operational area or adjacent operational area  
• Resources to rendezvous at the incident |
| Code Three             |                                                                             |                                                                          |
| **IMMEDIATE NEED:**    | Respond within 30 minutes of activation request and dispatch                  | • Life and property threatened  
• Any available resources within operational area or adjacent operational area  
• May or may not rendezvous prior to departure                                       |
| Code Two or Three      |                                                                             |                                                                          |
| **PLANNED NEED:**      | Planned Arrival (Usually within 2 hours of activation request and dispatch) | • Resources respond within the operational area, adjacent operational area, region, or the state.  
• Response is planned for the next operational period or as determined by the requesting agency  
• Usually will rendezvous prior to departure  
• Caravan as a Task Force or Strike Team within the 2 hour time-frame |
| Normally Code Two      |                                                                             |                                                                          |
What is the “Staffing”?  

1. The response unit must contain, at the time of the mobilization request, all of the equipment that was inspected for the units’ Team Typing Certification. This may require the inclusion of an additional vehicle such as a trailer that contains some equipment and tools not otherwise included on the specified response unit.

2. The response unit and the team as a whole, at the time of the mobilization request, must meet the type of team being requested, i.e. Type 1, Type 2, or a Type 3.

3. Staffing and training level of the Haz-Mat Team, at the time of the mobilization request, must conform to the FIRESCOPE hazardous materials chart on Hazardous Materials Company Types and Minimum Standards (Refer to the FOG Guide document ICS-420-1, Chapter 14):
   a. Type 3 staffing – five, to CSTI Hazardous Materials Technician (HMT)
   b. Type 2 staffing – five, to CSTI Hazardous Materials Specialist (HMS)
   c. Type 1 staffing – seven, to CSTI Hazardous Materials Specialist and CSTI Weapons of Mass Destruction (HMS-WMD)
HMRT INSPECTION PROGRAM

CAL-OES ACTIVATION

• MOBILIZATION

• What do we do when we get there?

Upon arrival at the designated incident the Strike Team / Task Force Leader or the individual Haz-Mat Resources must report in. If instructed to report to a “Staging Area”, find the Staging Area Manager and receive your assignments. If no Staging Area has been designated, locate the Command Post and check in with either the Incident Commander or the designated Liaison Officer to receive your briefing and assignments. In large events, Divisions and/or Groups may have been established, including a Hazardous Materials Group. In this case, the Strike Team / Task Force Leader or the Single Company Resource (Haz-Mat) Officer should be directed to report to the Haz-Mat Group Supervisor.

Please refer to and review the following documents for more information:

<table>
<thead>
<tr>
<th>POSITION</th>
<th>DOCUMENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strike Team / Task Force Leader</td>
<td>FOG ICS-420-1, Chapter 8</td>
<td>8-5</td>
</tr>
<tr>
<td>Single Company Resource</td>
<td>FOG ICS-420-1, Chapter 8</td>
<td>8-7</td>
</tr>
<tr>
<td>Hazardous Materials Group Supervisor</td>
<td>FOG ICS-420-1, Chapter 8</td>
<td>8-4</td>
</tr>
<tr>
<td></td>
<td>FOG ICS-420-1, Chapter 13</td>
<td>14-8</td>
</tr>
</tbody>
</table>

The entire Chapter 14 “Hazardous Materials” portion of the FIRESCOPE Field Operations Guide (ICS-420-1) should be well known and understood by the members of the mobilized hazardous materials resource. It contains complete descriptions and duties of all of the ICS positions within the Haz-Mat Group and their respective position check-off lists. Copies of the FOG can be accessed and downloaded at:

http://www.firescope.org/ics-8x11-fog.htm
MOBILIZATION

Are there special forms?

ARE THERE SPECIAL FORMS AND CHECK-OFF LISTS FOR HAZ-MAT MUTUAL AID?
Yes. The most important packet of pre-designed forms are the standard FIRESCOPE ICS forms. There are about 26 different forms. Those most closely associated to the particular incident should be used. Your Task Force/Strike Team Leader should have a packet of them ready to go at all times. However, these forms are accessible at any time on the FIRESCOPE web page and are printable in PDF format.

http://www.firescope.org/ics-forms.htm
HMRT INSPECTION PROGRAM

AUDIT PROGRAM

- Inspection Results Are Converted To An Audit Report
HMRT INSPECTION PROGRAM

AUDIT PROGRAM

- Includes only medium to high cost items.
- Includes mostly only those items in the Federal “RKB AEL”*.
- Includes RKB Numbers.
- Indicates qualifying grants.
- Includes FIRESCOPE typing requirement.
- Includes estimate cost of each item.

*(Responder Knowledge Base Authorized Equipment List)
• A “High”, “Low”, and “Median” total is calculated.
• The “Median” estimate is forwarded to the OHS side of Cal-EMA.
• OHS manages distribution of all federal equipment grants.
• OHS assembles “Unspent” grant monies.
• Awards them to agencies for whom we have completed an “Audit Report”.

<table>
<thead>
<tr>
<th>No.</th>
<th>SEL Item #</th>
<th>Item Description</th>
<th><em>Required: EM/UT Qu. Programs</em></th>
<th><strong>RKB AEL No.</strong></th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>154</td>
<td>13.3.6</td>
<td>NON-SPARKING, Hammer, Sledge, 7 to 10 Lbs (Cost varies depending on weight)</td>
<td>1, 2, 3, 4, 7, 8, 9, 10</td>
<td>O05000441150</td>
<td>$155 to $180</td>
</tr>
<tr>
<td>155</td>
<td>13.3.7</td>
<td>NON-SPARKING, Hammer, Claw, 20 to 24 oz (Cost varies depending on weight)</td>
<td>1</td>
<td>0050004411</td>
<td>$64 to $91</td>
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<tr>
<td>156</td>
<td>13.3.10</td>
<td>NON-SPARKING, Screwdriver Set, Chisel Point</td>
<td>3 Diff Sizes</td>
<td>0050004411</td>
<td>$135</td>
</tr>
<tr>
<td>157</td>
<td>13.3.11</td>
<td>NON-SPARKING, Screwdriver Set, Phillips Point</td>
<td>3 Diff Sizes</td>
<td>0050004411</td>
<td>$75 to $155</td>
</tr>
<tr>
<td>158</td>
<td>13.3.12</td>
<td>NON-SPARKING, Pliers, Ordinary, Utility</td>
<td>1</td>
<td>0050004411</td>
<td>$60</td>
</tr>
<tr>
<td>159</td>
<td>13.3.13</td>
<td>NON-SPARKING, Pliers, Wire, Side Cutting</td>
<td>2 Diff Sizes</td>
<td>0050004411</td>
<td>$60 to $108</td>
</tr>
<tr>
<td>160</td>
<td>13.3.14</td>
<td>NON-SPARKING, Pliers, Long-Nose</td>
<td>2 Diff Sizes</td>
<td>0050004411</td>
<td>$160 to $206</td>
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<tr>
<td>161</td>
<td>13.3.15</td>
<td>NON-SPARKING, Wrench, Box, Universal</td>
<td>2 Diff Sizes</td>
<td>0050004411</td>
<td>$200 to $410</td>
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<tr>
<td>162</td>
<td>13.3.16</td>
<td>NON-SPARKING, Wrench, Crescent, Adjustable (Cost varies depending on size range)</td>
<td>1</td>
<td>0050004411</td>
<td>$7</td>
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<td>163</td>
<td>13.3.17</td>
<td>NON-SPARKING, Wrench, Pipe, Adjustable (Cost varies depending on size range)</td>
<td>1</td>
<td>0050004411</td>
<td>$7</td>
</tr>
<tr>
<td>164</td>
<td>13.3.18</td>
<td>NON-SPARKING, Knife, Puffy</td>
<td>1</td>
<td>0050004411</td>
<td>$113</td>
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<tr>
<td>165</td>
<td>13.3.19</td>
<td>NON-SPARKING, Shears, Cutting</td>
<td>1</td>
<td>0050004411</td>
<td>$113</td>
</tr>
<tr>
<td>166</td>
<td>13.3.20</td>
<td>REFRIGERATOR, Utility, Small (Cost depends on brand, quality)</td>
<td>1, 2, 3, 4, 7, 8, 9, 10</td>
<td>0050004411</td>
<td>$750 to $1290</td>
</tr>
</tbody>
</table>

* Specific Grant Programs: Grant Programs for which the specified item may be allowable (per the FEMA “Responder Knowledge Base” (RKB) Authorized Equipment List (AEL). *RKB AEL No.: “Responder Knowledge Base” Authorized Equipment List Number – A number that has been assigned to this specific piece of equipment in the FEMA/DHS Authorized Equipment List, and is often required to be referenced in grant application documents when an agency applies for specific equipment grants.

The following websites provide help and guidance in search and application for many of the grant programs.

www.fema.gov/energy
www.grants.gov
www.usagovernmentgrants.org
• Agencies in GREEN have been awarded grants in this program.
• This helps in their attaining a Team Typing status.
• Produces efficiency in grant money spending
  (NO WASTE)

<table>
<thead>
<tr>
<th>CHART #1 -- CAL / EMA – Fire &amp; Rescue Branch -- HMRT Audits Developed</th>
<th>GRANT MANAGEMENT - AWARDED</th>
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<tbody>
<tr>
<td>Inspec. Date</td>
<td>Agency Contact</td>
</tr>
<tr>
<td>4-15-03</td>
<td>LA County F.D.</td>
</tr>
<tr>
<td>4-12-03</td>
<td>LA County F.D.</td>
</tr>
<tr>
<td>4-15-03</td>
<td>LA City Fire Dept.</td>
</tr>
<tr>
<td>4-15-03</td>
<td>LA City Fire Dept.</td>
</tr>
<tr>
<td>5-21-03</td>
<td>Marin Co. F.D.</td>
</tr>
<tr>
<td>5-20-03</td>
<td>Long Beach</td>
</tr>
<tr>
<td>6-15-03</td>
<td>San Ramon Valley FPD</td>
</tr>
<tr>
<td>7-17-01</td>
<td>Uncle Peter Fire Dept.</td>
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<tr>
<td>7-17-01</td>
<td>Butte County Fire (CalFire)</td>
</tr>
<tr>
<td>10-9-03</td>
<td>Bakersfield Fire</td>
</tr>
<tr>
<td>10-9-03</td>
<td>Bakersfield Fire</td>
</tr>
<tr>
<td>10-12-03</td>
<td>Sutter County F.D.</td>
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<tr>
<td>2-1-03</td>
<td>Mariposa Co. F.D.</td>
</tr>
<tr>
<td>2-11-03</td>
<td>San Diego (Fire 1)</td>
</tr>
</tbody>
</table>
Cal OES Contacts

Team Typing Lead
Jan R Dunbar - (916) 845-8483
jan.dunbar@calema.ca.gov

Lead Cal EMA Staff
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brian.abeel@calema.ca.gov
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jack.harrah@calema.ca.gov
Any Questions
That is all Folks!