

California Office of Emergency Services

HazMat
Team
Typing
Program
For
California



2 - 2014 Edition



HazMat Team Typing Program for California







Presented by:

Jan Dunbar

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







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).



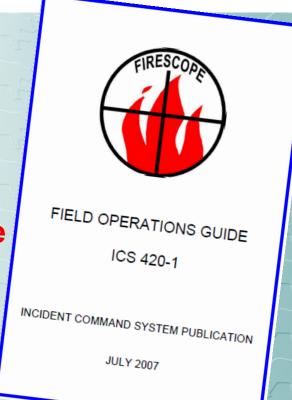


- Formed about 1971
- Original Focus:
 - Develop and provide an ICS system and concept for Wildland Fires
 - Borrowed concepts and terminology from US Military (Army)
 - Management of 100's to 1000's of personnel (per incident)
 - Assignment of 100's to 1000's of resources

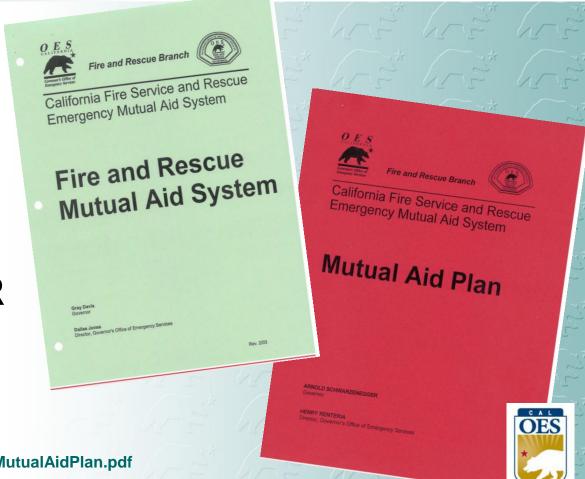


Extensions:

- 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



MELD "ICS"
 INTO THE
 STATE MASTER
 MUTUAL AID
 SYSTEM:



RESOURCE TYPING

July 2007

ICS 420-1

PRIMARY MOBILE SUPPRESSION RESOURCES (Minimum ICS Standards)

| RESOURCE | RADIO | COMPONENTS | TYP | | rice disease | |
|--------------------------|--------------------------------------|---|--|---|--|---|
| MIDDLE STORE STORES | CALL | >901-00100100100100100100100100000000000 | -1 | 2 | 3 | 4 |
| Engine Company | Engine Telesquirt* | Pump Water Tank Hose 2 1/2" Hose 1 1/2" Hose 1" Ladder Master Stream Personnel | 1,000GPM 400 Gal. 1,200 Ft. 400 Ft. 200 Ft. 20 Ft. Ext. 500 GPM 4 | 500 GPM 400 Gal. 1,000 Ft. 500 Ft. 300 Ft. 20 Ft. Ext. | 120 GPM 300 Gal. - 1,000 Ft. 800 Ft. - 3 | 50 GPM 200 Gal - 300 Ft. 800 Ft. - - 3 |
| * Engine with | I elevated stream | capability, specify wh | en requested. | | | |
| Truck Company | Truck | Aerial (Specify platform or ladder), Elevated Stream, Ground Ladders, Personnel | 75 Ft. 500 GPM 115 Ft. 4 | 50 Ft. 500 GPM 115 Ft. 4 | | |
| Water Tender | Water Tender | Pump Water Tank | 300 GPM 2,000 Gal. | 120 GPM 1.000 Gal. | 50 GPM 1,000 Gal. | |
| Brush Patrol | Patrol | Pump -15 GPM Hose 1"-150 Ft. Tank -75 Gal. Personnel - 1 | 2,000 Gdi. | 1,000 Odi. | | |
| Medical/Non Transport | Rescue, Squad, Medic Engine | Non Transport, capability and personnel determined by local EMS authority | ALS | BLS | | |
| Medical/ Transport | Ambulance, Medic | Transport, capability and personnel determined by local EMS authority | ALS | BLS | | |
| Bulldozer | Dozer | Size Horse Power Operator Example(s): | Heavy 200 HP 1 D-7, D-8 | Medium 100 HP 1 D-5, D-6 | Light 50 HP 1 D-4 | |
| Bulldozer Tender | Dozer Tender | Fuel-100 Gal | | | | |

Resources

- Based on Capability
- Typing
 - Based on numerous intervention
 "Criteria"
- Type "1"
 - Is always the highest capability



- 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

HAZARDOUS MATERIALS COMPANY TYPES

| Components | Type 1 | Type 2 | Type 3 |
|--|--|---|--|
| | Known Chemicals | Known Chemicals | Known Chemicals |
| Field Testing | Unknown Chemicals | Unknown Chemicals | |
| | WMD Chem / Bio | | |
| Air Monitoring | Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide Specialty Gases Hydrocarbon Liquid Vapors WMD Chem / Bio | Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide Specialty Gases Hydrocarbon Liquid Vapors | Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide |
| Sampling: | Known Chemicals | Known Chemicals | Known Chemicals |
| Capturing Labeling | Unknown Chemicals | Unknown Chemicals | Turown orientedis |
| Evidence Collection | WMD Chem / Bio | | |
| Radiation | Gamma | Gamma | Gamma |
| Monitoring and | Beta | Beta | Beta |
| Detection | Alpha; Radionuclide | | |
| | Liquid-Splash Protective | Liquid-Splash Protective | Liquid-Splash Protective |
| | Vapor Protective | Vapor Protective | |
| Chemical Protective Clothing: | Flash Fire Vapor Protective | Flash Fire Vapor Protective | |
| Ensembles | WMD Chem / Bio Vapor Protective | | |
| | WMD Chem / Bio Liquid Splash Protective | | |
| | NFPA Compliant Replacement | NFPA Compliant Replacement | NFPA Compliant Replacement |
| Chemical Protective Clothing: Gloves - Boots | Hi-Temp. Protective Gloves Cryogenic Protective Gloves | Hi-Temp. Protective Gloves Cryogenic Protective Gloves | |
| | Radiation Protection Gloves | | |
| | Printed and Electronic | Printed and Electronic | Printed and Electronic |
| Technical Reference | Plume Air Modeling, Map Overlays | Plume Air Modeling, Map Overlays | |
| | WMD Chem / Bio Sources | | |

RESOURCE TYPING

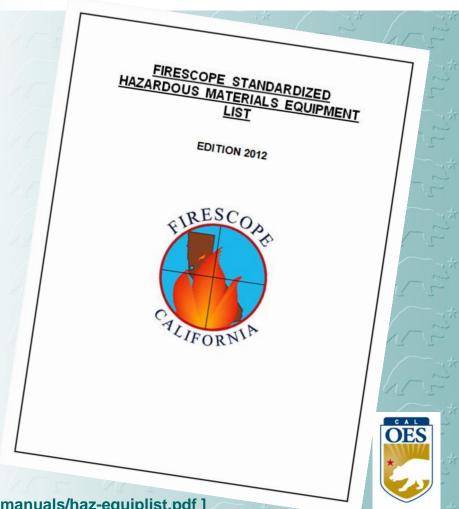
HAZ-MAT TEAMS (Continued)

IN A NUT SHELL:

- Type 3 Known Industrial Chemicals (Liquids, Solvents, Powders)
- Type 2 <u>Unknown</u> Industrial Chemicals (Vapors, Gases, plus the above)
- Type 1 WMD / CBRN Capabilities
 (Nuclides, plus all the above)

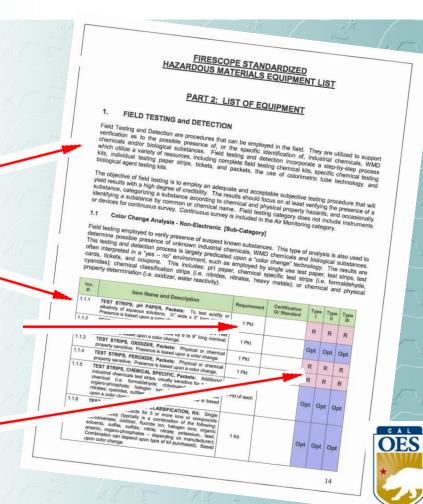


- In 3 "Parts"
 - Introduction/Use
 - Equipment List
 - Appendicies (Eight)



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

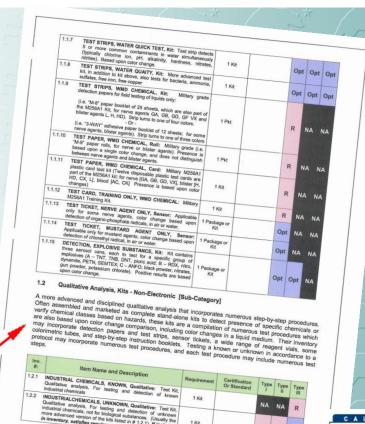


 Some of the 13 Criteria Sections are divided into smaller Sub-Sections

PART 2: LIST OF EQUIPMENT 14

| 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] | |
| 1.4 | Colorimetric Analysis - Non-Electronic [Sub-Category] | |
| 1.5 | WMD Biological Detection - Electronic | |
| 2. | AIR MONITORING | 18 |

Each with its own defining description



STANDARDS and CERTIFICATIONS

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















SOME EXAMPLES







| Inv. #: | Item Name and Description | Requirement | Certification Or Standard | Type | Type | Type |
|------------|--|--|------------------------------|------|------|------|
| 5.2.1 | 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. | 6 – Type I Company | NFPA 1992 | R | R | R |
| 5.2.2 | 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 select provides a lesser in selected to be in inventory, meets requirement for item 5.2.1. | 4 - Type II Company Or either type | NFPA 1994, Class 3 | R | Opt | NA |

| 9.1.3 | ENCAPSULATING SPREADABLE POWDER - General Purpose (and suitable for Pesticides): Must be NON-CLAY | 1 Container (Not "kittv | OSHA 29CFR 1910.119, or | D | D | Opt | - |
|-------|---|----------------------------------|----------------------------|---|---|-----|-----|
| | pesticides. Nominal size 5-10 lbs dispenser box or bag. (Rev2008) | diatomaceous earth) (Rev2008) | EPA 40CFR170 (Rev2008) | N | K | Opt | 100 |

| 916 | FIRE EXTINGUISHER, CLASS "D", Sodium Chloride | Must have at least ONE. | FM Approval | | | |
|-------|---|-------------------------------------|-------------|---|---|---|
| 9.1.7 | FIRE EXTINGUISHER, CLASS "D", Copper compound formulation: Capacity 30 Lbs minimum; suited for lithium, lithium alloys. | these two types will satisfy. | FM Approval | R | R | R |

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



HMRT INSPECTION PROGRAM CALL FOR AN INSPECTION

LETTER OF INVITE

 From State Fire & **Rescue Chief**

"It will give the system a more accurate picture of what resources are available in the State for Mutual Aid"

Kim Zagaris, Chief Fire & Rescue Division



CALIFORNIA EMERGENCY MANAGEMENT AGENCY

3650 Schriever Ave Mather, CA. 95655 Phone (916) 845-8711

Night-Weekends: (916) 845-8911 Fax: (916) 845-8396 E-Mail: OES Fire@oes.ca.go 13 May 2010



The California Emergency Management Agency (Cal/EMA), Fire and Rescue Branch, on behalf of the California Fire and In examining emergency Management Agency (Cauema), rire and Rescue Branca, on behalf of the Cantornia rire and Rescue Mutual System and in conjunction with the Governor's Office of Homeland Security (OHS) are working to update Rescue Mutual System and in conjunction with the Governor's Office of Homeiand Security (OHS) are working to update the California Fire Resource Inventory System ("CFRIS") and California Disaster Resource and Capability Preparedness the California Fire Resource inventory system (CFRES) and California Disasser Resource and Capadinay Freparents Assessment Metrics Project. The main purpose of this project is to develop and implement an ongoing system to determine Assessment orientes Project. The main purpose of this project is to develop and implement an ongoing system to determine status of prevention and preparedness plans and assess the sufficiency of key emergency response and recovery assets. This status of prevention and preparedness plans and assess the sufficiency of key emergency response and recovery users. An will assist OES in enhancing the ability to manage mutual aid resources during emergency operations by having a better war assist OES in emancing the ability to manage mutual art resources during emergency operations by having a total understanding of the quantity, quality, and location of key response resources and also assist OHS in the development of a uncerstanding of the quantity, quarity, and location of key response resources and also assist vito in the development of systematic method for identifying gaps in prevention, planning and emergency response resource capabilities in order to

The California Hazardous Materials Response Program encompasses many different components that make California's The California riazaruous materiais response riogram encompasses many unterem components mat make Camtornia's system one of the elite in the Nation. As you are well aware, the system foundation is based on the local agency's capability. system one or the enterin the ryanon. As you are well aware, the system roundation is observed on the rotal agency a car. The California Fire Service has multiple levels of hazardous materials response capabilities from the single resource. Company up to a FIRESCOPE ICS-HM-120-1 Type-I team.

Local government fire agencies currently support various levels of Hazardous Materials response teams. The members of Local government the agencies currently support various sevens of Hazardous statemats response teams. The memoers of these Response teams devote many hours of training and personnel commitment to making California the most professional

I would ask you to take a moment to consider viewing the following documents that describe the ICS-HM-120-1 Hazardous I would ask you to take a moment to consider viewing the toflowing documents that describe the IC3-HM-120-1 Hazardous Materials (HazMat) Program and the various levels of capability identified by FIRESCOPE, http://www.firescope.org/ics-Materials (Hazmat) Program and the various levels of capability identified by FIRESCUPE. http://www.firescope.org/ics-hazmat/pos-manuals/lcs-HM-120-1.pdf, http://www.firescope.org/ics-hazmat/pos-manuals/haz-equipilist.pdf

In the typing of Type-3, 2, and Type-1 units as an example, the equipment and training requirements are very specific. Due In the typing of 1ype-3, 2, and 1ype-1 units as an example, the equipment and training requirements are very specific to the complexity of these types of resources, this office is prepared to continue the task of typing resources for local

The inspection and typing of resources for Haz-Mat will be conducted by Cal/EMA Fire and Rescue/Haz-Mat staff members. In the inspection and typing of resources for Haz-Mat will be conducted by Callenda Fire and Rescue/Haz-Mat staff members.

Agencies that wish to be included in this process and plan on providing Mutual Aid Haz-Mat resources should submit a letter Agencies that wish to be included in this process and plan on providing systems and Haz-mai resources should submit a ideal of agency letterhead to the Kim Zagaris, State Fire and Rescue Chief, Cal/EMA Fire & Rescue requesting to schedule a on agency letterhead to the Kim Zagaris, State Fire and Rescue Unier, Cauema Fire & Rescue requesting to scheduler typing assessment. If you need further information about the Haz-Mat typing program, contact the Assistant Chief Jan

Remember by typing the Haz-Mat resources, it will give the system a more accurate picture of what resources are available in Remember oy typing me traz-ivial resources, it will give me system a more accurate picture of what resources are available the State for Mutual Aid. It will also provide the Fire and Rescue Mutual Aid System with the location of known resources. the State for Mutual Ald. It will also provide the rife and rescue mutual Ald System with the location of known resources that could be used in a Haz-Mat incident as single resources or to support a Hazardous Materials Incident. I encourage you to mar cound be used in a riaz-mat incident as single resources or to support a riazardous materials incident. I encourage consider this process and ask for any assistance you may need in achieving the level of certification you may wish to consister uns process and asset or any assistance you may need in acmeving the sever of certification you may wish to maintain. Thank you for continuing to make the California Fire & Rescue Mutual Aid System an elite model for others to

ORGINAL ON FILE

KIM ZAGARIS. State Fire and Rescue Chief



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"



Randy R. Bruegman

Fresno, California 93721 (559) 621-4199 FAX (559) 498-4261

August 4, 2008

Kim Zagaris, State Fire and Rescue Chief Office of Emergency Services, Fire and Rescue 3650 Schriever Avenue Mather, CA 95655

Dear Chief Zagaris:

The City of Fresno Fire Department would like to request an assessment inspection for the typing of resources as part of the California Fire Resource Inventory System ("CFRIS"). Staff has reviewed the information provided by the Office of Emergency Services related to mandated training, staffing, and equipment. At this time, staff believes the Department meets the qualifications listed for the California Hazardous Materials Response Capabilities Typing for Hazardous Materials Response Type 1 and Hazardous Materials Type 3 Teams. Staff anticipates the development of an additional Hazardous Materials Response Type 1 Team will occur in August 2008.

Please arrange for the field inspection through Battalion Chief Chuck Tobias at (559) 240-2272 or Captain Steven Byers (559) 905-7523, Hazardous Materials Sincerely,

Randy Brugman, Fire Chief RRB/JLA:ls

RECEIVED

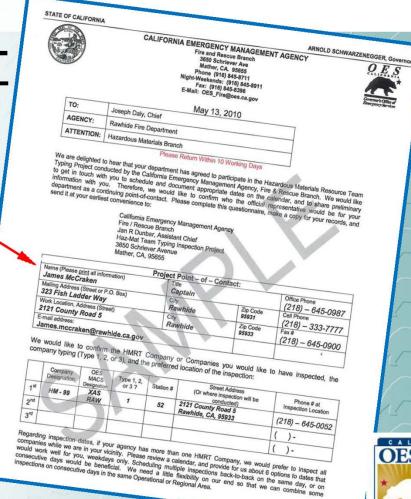
AUG 0 7 2008



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"

| | | Recomme | nded Inspection | on Dates | Are As Follows: | | |
|-----------------|------------------|----------------------------------|-----------------|-----------------|------------------|------|------------|
| Choice: | Date: (mm-dd-yy) | Day: | Timeframe: | Choice: | Date: (mm-dd-yy) | Day: | Timeframe: |
| 1 st | 11-01-12 | Mon | AM PM | 4 th | 01-22-13 | Mon | AM |
| 2 nd | 11-02-12 | 2-12 Tue AM 5 th 02-2 | | 02-21-13 | Mon | AM | |
| 3 rd | 12-25-12 | Fri | PM | 6 th | 04-27-13 | Wed | AM PM |

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. 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

- BULL#1-SEL-EQUIP UpdateFIRESCOPElist
 BULL#2-SEL-EQUIP UpdateSOURCElist
- BULL#3-ProblemWithFAXdigital
- BULL#4-WMDequivCLASSES
- 🖺 BULL#4-WMDequivCLASSES web page info
- BULL#5-WMDequivCRITERIA
- BULL#6-CPCcertifiedLISTS
- BULL#7-CPClabelingREQUIRE
- BULL#8-WMDlabelingREQUIRE
- BULL#9-GLOVEreplacements
- BULL#10-BOOTlabelingREQUIRE
- BULL#11-NeutralizMemo
- BULL#12-AbsorptionPesticides
- BULL#13-AbsorptionFormaldehyde
- BULL#14-AbsorptionSolvents
- BULL#15-IntrinsicSafe
- BULL#16-SCBAnioshLABEL
- BULL#17-CANNISTERcolorCODE
- BULL#18-STENCILINGstandard
- BULL#19-EPA Protocols A and B
- BULL#20-Mutual Aid Roster
- BULL#21-HM Inspection Request
- BULL#22-HM Inspection Process
- BULL#23-RKB and AEL
- BULL#24 Grant Rules
- BULL#25-Container Proper Markings
- BULL#27 Incident Action Plan IAP
- BULL#28 Relmbursement Rates
- BULL#29 Team Typing, Explained
- BULL#30 Strike Team Leader Manual

HMRT INSPECTION PROGRAM REVIEW INFORMATION PACKET

EXAMPLES

STATE OF CALIFORNIA

CALIFORNIA EMERGENCY MANAGEMENT AGENCY 3650 Schriever Ave Mather, CA. 95655 Phone (916) 845-8711 Night-Weekends: (916) 845-8911 Fax: (916) 845-8396 E-Mail: OES Fire@oes.ca.gov

March 11, 2010

Fire & Rescue Branch Hazardous Materials Section

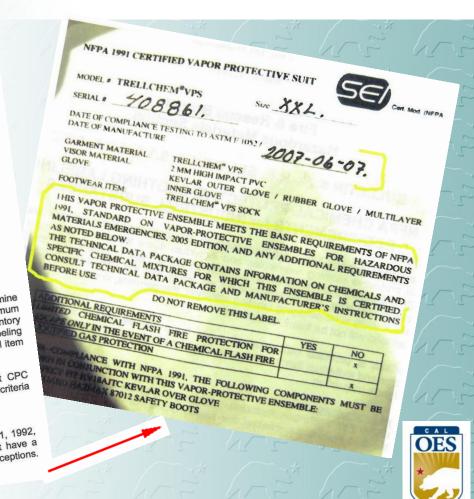
BULLETIN #7 - R.E. SEL # 5.1.1, 5.1.5, 5.2.1, 5.2.2

NFPA CHEMICAL PROTECTIVE CLOTHING LABELING REQUIREMENTS for INDUSTRIAL SUBSTANCES

During a typical Haz-Mat Team Typing inspection, the inspection team will look and examine During a typical maz-mat ream typing inspection, the inspection team will look and examine chemical protective clothing ensembles and individual items to assure they meet minimum NEPA CPC Standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory NFPA CPC Standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory requirements. Further, the inspection team will verify that the CPC have certifying labeling requirements. Further, the inspection team will verify that the CPC have certifying labeling attached. If there is no certifying labeling attached, the garment, ensemble, or individual item

This bulletin is provided with information we hope will be helpful in assuring that CPC This pulletin is provided with information we nope will be helpful in assuring that CPC ensembles and individual items being considered for purchase do indeed meet labeling criteria in all likelihood will not be found acceptable.

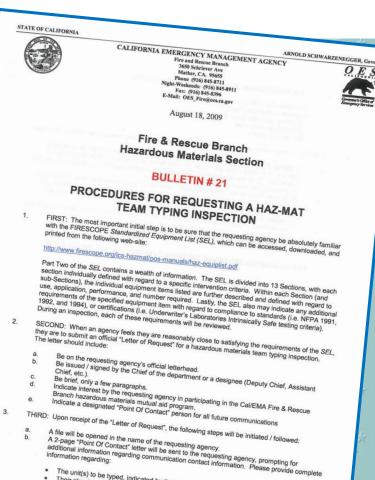
<u>Varment Ensembles:</u>
The National Fire Protection Association (NFPA) mandates in their Standards # 1991, 1992, and 1994 that ensembles meeting the testing criteria of a specified standard must have a and will pass inspection. and 1994 that ensembles meeting the testing criteria or a specified standard 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:



HMRT INSPECTION PROGRAM REVIEW INFORMATION PACKET

EXAMPLES

Bulletin # 21 explains the procedures on how to request a **Haz-Mat Team Typing** Inspection

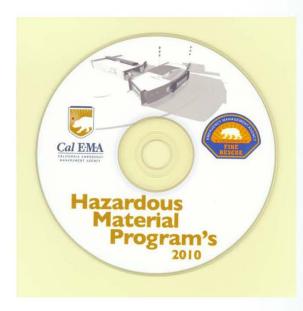


The unit(s) to be typed, indicated by their regular departmental designation;

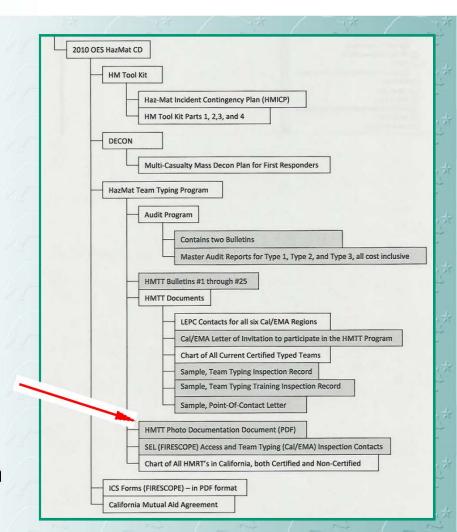
Their street address location(s) including ZIP: The level of team typing (Type 1, Type 2, or Type 3) requested;

HMRT INSPECTION PROGRAM REVIEW CD

AIDS IN PREPARING FOR INSPECTION



- Contains numerous helpful files
- Tons of other additional information



HMRT INSPECTION PROGRAM REVIEW CD

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





HMRT INSPECTION PROGRAM PHOTO DOCUMENT

Field Testing & Detection

(Color Change Analysis - Non-Electronic)

Test Strips, pH Paper, Packets (pH "0" to pH "14")







HMRT INSPECTION PROGRAM PHOTO DOCUMENT

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

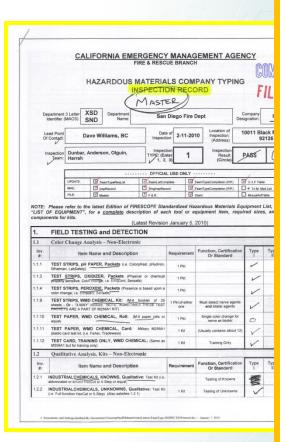




HMRT INSPECTION PROGRAM INSPECTION PROCESS

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



| | | | | ADDOUG | MATERIA | LS CON | | ING | i | | |
|--|--|--|--|--|--|--|---|-------------------------|----------------------|----------|-------|
| | | | HAZ | | NSPECTI | ON REC | ORD TYP | | | | |
| | Department Identifier (| 3 Letter MACS): | х | Department Name: | | | | Des | Company ignation: | | |
| | Lead Point Of Contact: | | | | Dat Inspect | | Location of Inspection: (Address) | | | | |
| | Inspection Team: | | | | TYPE: (Er 1, 2 | nter 2 | Inspection Result: (Circle) | PASS | | F | AIL |
| | 1 | | V. | | OFFICIA | L USE ONLY | | | | | |
| | | UPDATE: MAIL: | | FeamTypeReqList | ☐ TeamListCor | | TeamTypeCompletion (P/F) TeamTypeCompletion (P/F) | | Q&FTab | _ | |
| | | FILE: | | Master | □ F&R | | Client | | MutualAid1 | | |
| "LIST | OF EQUI | PMENT", kits. | for a | complete des | Cription of ea (Latest Revision TION | ch tool or e | ezardous Material equipment item, (2010) | 's Equi | uipment red size | List, PA | RT TV |
| "LIST compo | OF EQUI | D TEST | ING a | and DETECT | Cription of ea (Latest Revision FION nic | ch tool or e | equipment item, | requi | Type | Type | Typ |
| 1. 1.1 Inv. | FIELI Color TEST S | D TEST Change A | ING a | and DETECTS - Non-Electron | Cription of ea (Latest Revision FION nic | on May 13, 2 | 2010) Function, Certific | requi | red size | Type | Typ |
| 1. linv. #: | FIEL Color TEST S Whatmar | D TEST Change A Item TRIPS, pH 1, LabSafety) STRIPS, C | ING analysis Name PAPER | and DETECT s - Non-Electron and Description | (Latest Revision of ea (Latest Revision Nation Nati | on May 13, 2 | 2010) Function, Certific | requi | red size | Type | Typ |
| 1. 1.1 Inv. #: | FIELI Color TEST S Whatmar TEST S TEST S TEST S | D TEST Change A Item TRIPS, pH n, LabSafety) STRIPS, Cosensitive; Col | TING analysis Name PAPER DXIDIZEI OF Change | and DETECTs - Non-Electron and Description and | (Latest Revision of ea (Latest Revision nic expression) or phast, phydrion, sical or chemical and each or chemical and expression or chemical expression or chem | ch tool or e | 2010) Function, Certific | requi | red size | Type | Typ |
| 1. 1.1 Inv. #: 1.1.1 | FIELI Color • TEST S Whatmar TEST S color cha TESTS S sheets • | PMENT", kits. D TEST Change A Item TRIPS, pH 1, LabSafety) STRIPS, CE Sensitive: Col TRIPS, PE 1999: i.e. Emp | ING analysis Name PAPER NXIDIZEI OXIDIZEI | complete designand DETECT S - Non-Electron and Description and Description R, Packets (Physical Enguant, Sense E, Packets (Presenter) MICAL, Kitt. (M-8. MICAL, | (Latest Revision of ea (Latest Revision III) nic orpHast, pHydrion, sical or chemical III) e is based upon a booklet of 25 | Requirement 1 Pkt | 2010) Function, Certific | ation | red size | Type | Typ |
| 1. 1.1 lnv. #: 1.1.1 1.1.3 | FIELI Color • TEST S Whatmar TEST S property • TEST S color cha TEST S sheets • PACKET | PMENT", kits. D TEST Change A Item TRIPS, pH 0, LabSafety) STRIPS, Cosensitive: Cosensitive: Color trips, pH 100; per 3-10, which is a part of the color | ING analysis Name PAPER OXIDIZEI OXIDIZEI OXIDE UNITED TO THE PORT OXIDE | complete designand DETECT S - Non-Electron and Description and Description R, Packets (Physical Enguant, Sense E, Packets (Presenter) MICAL, Kitt. (M-8. MICAL, | (Latest Revision of ea (Latest Revision) nic on orpHast, pHydrion, sical or chemical (afe) be based upon a booklet of 25 HES THESE TEST | Requirement 1 Pkt 1 Pkt 1 Pkt 1 Pkt | Function, Certific Or Standard | ation | red size | Type | Typ |
| 1. 1.1 inv. #: 1.1.1 1.1.3 1.1.4 | TEST S color cha TEST S sheets - PACKET TEST P equal) TEST F | PMENT", kits. D TEST Change A Item TRIPS, pH 1, LabSafety) STRIPS, Cesensitive; Color TRIPS, PEI TRIPS, WI Or - 3-WAYA S ARE A PAI APER, WI | ING a malysis n Name PAPER OXIDIZEI or change puant, Ser DO CHEM To booklet To F M2 MD CHE MD | and DETECT and DEScriptio and Descriptio R, Packets (i.e. Cole R, Packets (Physic i.e. Emquant, Sens ; Packets (Present insale) MICAL, Kit: (M-8 SSAH NIT) IMICAL, Card: IEMICAL, Card: | (Latest Revision of ea (Latest Revision) nic on orpHast, pHydrion, sistal or chemical safe) booklet of 25 EES THESE TEST 4-9 paper rolls or | Requirement 1 Pkt 1 Pkt 1 Pkt 1 Pkt 1 Pkt of either one | Function, Certific Or Standard Must detect nerve as and biter agent Single color change | ation ation | red size | Type | Typ |
| 1. 1.1 Inv. #: 1.1.1 1.1.3 1.1.4 1.1.9 | TEST S color charters requal) TEST S these sequences requal | PMENT", kits. D TEST Change A Item TRIPS, pH 0, LabSafety) STRIPS, C Sensitive; Color TRIPS, PE 1000: 1.0. TRIPS, WM 07 - 3-3-WA APER, WM PAPER, WM PAPER | FOR A TING A | and DETECT and DEScriptio and Descriptio R, Packets (i.e. Cole R, Packets (Physic i.e. Emquant, Sens ; Packets (Present insale) MICAL, Kit: (M-8 SSAH NIT) IMICAL, Card: IEMICAL, Card: | (Latest Revision of ea | Requirement 1 Pkt 1 Pkt of either one | Function, Certific Or Standard Must detect nerve a and bister agent Single color change nerve or bister | ation ation | red size | Type | Typ |
| 1. 1.1 lnv. #: 1.1.1 1.1.3 1.1.4 1.1.9 1.1.10 1.1.11 | FIELL Color 1 TEST S Whatmar TEST S color cha TEST S sheets - PACKET TEST F equal) TEST F plastic and TEST C M256A1 | Item TRIPS, pH h, LabSafety) STRIPS, C Sensitive: Col TRIPS, E Inge; i.e. Emo TRIPS, E Or - 3-WA APER, WI APER, W APER | for a single for a | and DETECT and DETECT and DEScription | (Latest Revision of each control of each contr | Requirement 1 Pkt 1 Kit | Function, Certific Or Standard Must detect nerve a and lister agent Single color change nerve or blister (Usually contains abo | ation ation | red size | Type | Typ |
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HMRT INSPECTION PROGRAM INSPECTION PROCESS

De-Briefing

- Concludes the Inspection
- Briefly discusses prognosis
- Official documents will be mailed
- "Where do we go from here?"



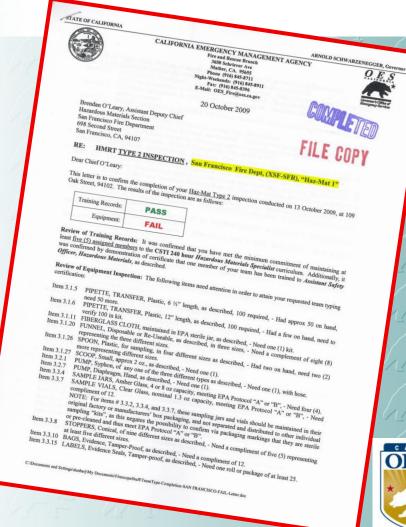




 After-Inspection Report

--- if **FAIL** ---

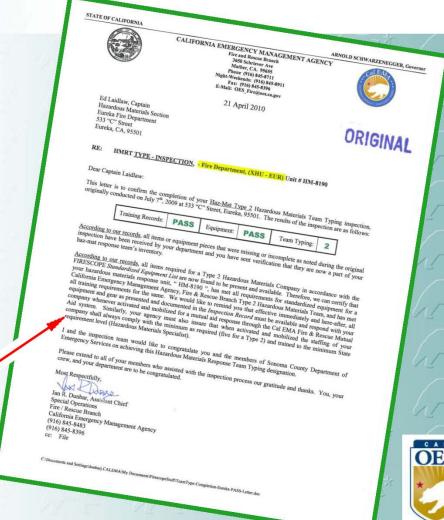
- Lists all missing items that need to be acquired
- Documents Training Record Compliance
- Explains how to "Catch Up"
 - Copies of P.O.'s, photocopies, photographs
- Discusses funding sources



 After-Inspection Report

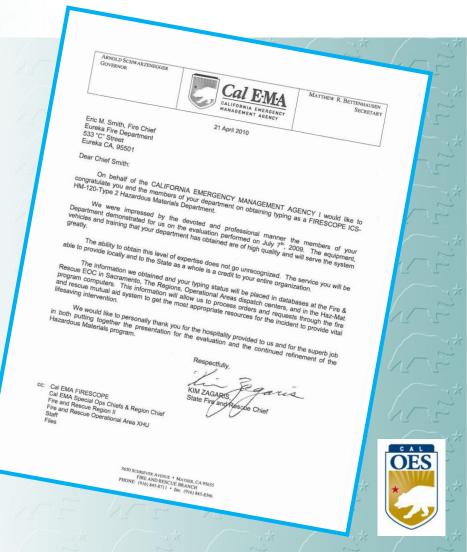
--- if PASS ---

- 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).."



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



Teams
 That
 Have
 Been
 Typed
 and
 Certified

| | CERTIFIED HAZ-MAT TEAMS, BY T | YPE (Items highlighted is | new data | since last upda | te) – AS OF 8/9 | /10 |
|------|--------------------------------|-------------------------------------|----------|---------------------|-----------------|-------------|
| | AGENCY | Operational and Local Identifier | Region | Unit Designation | Attained | Zip Code |
| | Glendale City Fire | XLC-GLN | 1 | HM-24 | 2-26-08 | 91204 |
| | Vernon City Fire | XLE-VER | - 1 | HM-151 | 5-14-09 | 90058 |
| | Santa Ana Fire | XOR-STA | 1 | HM-9 | 6-22-10 | 92705 |
| | Ventura County Fire | XVE-VNC | 1 | HM-50 | 6-23-10 | 93010 |
| | Alameda County Fire | XAL-ACF | 11 | HM-12 | 3-10-08 | 94546 |
| | Santa Clara County Fire | XSC-CNT | 11 | HM - 2 | 12-16-09 | 95403 |
| TYPE | Roseville City Fire | XPL-RSV | IV | HM-1 | 10-26-06 | 95678 |
| 1 | Sacramento City Fire | XSA-SCR | IV | HMRT-7 | 12-27-06 | 95823 |
| | Sacramento City Fire | XSA-SCR | IV | HMRT-30 | 12-28-06 | 95835 |
| | Sacramento Metro F.P.D. | XSA-SAC | IV | HM-109 | 7-13-06 | 95608 |
| | Clovis City Fire | XFR-CLV | V | HM-40 | 5-1-09 | 93611 |
| | Fresno City Fire | XFR-FRN | V | HMRT-1 | 11-4-08 | 93703 |
| | Fresno City Fire | XFR-FRN | V | HMRT-16 | 11-20-07 | 93722 |
| | U.S. Marin Corp Camp Pendleton | XSD-M CP | M | HazMat 1 | 3-13-08 | 92055 |
| 1 | Contra Costa County JPA | XCC-CCH | - 11 | ? | 11-1-07 | 94553 |
| | Eureka Fire | XHU-EUR | ii ii | HM-8190 | 4-21-10 | 95501 |
| | Marin County Fire Haz-Mat JPA | XMR-MRN | 11 | HM-1 | 7-22-09 | 94945 |
| | San Ramon Fire Prot. Dist | XC C-SRM | - 11 | HM-35 | 6-19-09 | 94506 |
| | Sonoma County Fire | XSN-SSR | - 11 | HM-2936 | 11-02-09 | 95403 |
| TYPE | Sunnyvale Dept. Public Safety | XSC-SNY | 11 | HM-2 | 6-1-10 | 94085 |
| 2 | Butte County Fire | XBU-BUT | III | HM-1 | 4-1-10 | 95926 |
| | Butte County Fire | XBU-BUT | 111 | HM-64 | 4-1-10 | 95926 |
| | Truckee Fire Prot. District | XTB-TRK | IV | HM-1 | 10-6-08 | 96161 |
| | Bakersfield Fire, Dept | XKE-BKF | V | HM-15 | 6-16-10 | 93314 |
| | Merced County F.D. | XMD-MRD | V | HM-62 | 5-09-09 | 95301 |
| TYPE | Long Beach Fire Dept. | XLF-LOB | -1 | HM-24 | 2-26-08 | 90802 |
| 3 | Palo Alto Fire Dept. | XSC-PAF | 11 | Rescue 2 | 8-2-2010 | 94304 |

HMRT INSPECTION PROGRAM DOCUMENTATION

Inspection Results

| | HAZ-MAT TEAM TYPING - INSPECTION RESULTS QUICK GLANCE - AS OF 14 May 2010 | | | | | | | | | | | | | |
|-----------|---|-----------|--------|--------|--------|--------------------|------|------|------|------|------|------|-------|-------|
| | INSPECTION | | | | | INSPECTION RESULTS | | | | | | | | |
| REGION | REQUESTS | | TOTAL | ÷ . | - 0 | | Тур | e 1 | Туј | pe 2 | Тур | ne 3 | TOTAL | TOTAL |
| | RECEIVED (Agency Letter) | Conducted | Type 1 | Type 2 | Type 3 | Pass | Fail | Pass | Fail | Pass | Fail | PASS | FAIL | |
| T | 12 | 5 | 5 | | 1 | 2 | 3 | | | 1 | | 3 | 3 | |
| II | 18 | 18 | 4 | 11 | 2 | 2 | 2 | 5 | 6 | | 2 | 7 | 10 | |
| III | 5 | 3 | | 2 | 1 | | | 2 | | | 1 | 2 | 1 | |
| IV | 5 | 5 | 4 | 1 | | 4 | | 1 | | | | 5 | | |
| V | 7 | 6 | 3 | 3 | | 3 | | 1 | 2 | | | 4 | 2 | |
| VI | 3 | 3 | 3 | | | 1 | 2 | | | | | 1 | 2 | |
| TOTALS 50 | | 40 | 19 | 17 | 4 | 12 | 7 | 9 | 8 | 1 | 3 | 22 | 18 | |
| The | se Must Jive: | 40 | | 40 | | | | | 40 | | | 40 | 0 | |



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?



ARNOLD SCHWARZENEGGER, Governor



CALIFORNIA EMERGENCY MANAGEMENT AGENCY
Fire and Rescue Branch
3690 Schriever Ave
Mather, CA. 98655
Phone (916) 484-8711
Night-Weckendt: 916) 484-8911
Fax: (916) 484-3916



December 9, 2009

Fire & Rescue Branch Hazardous Materials Section

BULLETIN #20

CALIFORNIA STATE HAZ-MAT MUTUAL AID ROSTER and HMRT MOBILIZATION

WHAT HAPPENS AFTER WE PASS THE HAZ-MAT TEAM TYPING INSPECTION?

Those agencies that have passed the Cal/EMA Fire & Rescue Branch Hazardous Materials Team Typing inspection and have achieved a Haz-Mat Type 1, Type 2, or a Type 3 certification, the specified Company (your agency numerical designation for the unit) is then added to the Haz-Mat Team Mutual Aid Roster. It is an EXCEL table that is maintained by Fire & Rescue Branch, Special Operations. It is important that we indicate each Company by proper Operational Area three-letter designator (i.e. XKE for Kern County Operational Area) and the agency's three-letter designator (i.e. BKF for Bakersfield Fire Dept). Certified teams are also identified by Zip Code number as this identifies a geographical area. All this information is helpful in order to accurately indicate positioning of the Company on GIS over-lays of the State of California. Zip codes are further helpful to determine closest units to an event, and to determine estimated response distances and probable response times.

This EXCEL table is accessible by all Chief Officers of the Fire & Rescue Branch, FIRESCOPE and the Warning Center. Similar EXCEL tables are maintained for the Swift Water Rescue teams, and the Urban Search & Rescue teams. A few examples are shown in the facsimile table below:

| | AGENCY | Operational and Local Identifier | Region | Unit Designation | Attained | Zip |
|--------|-----------------------------|-------------------------------------|--------|---------------------|----------|---|
| | Roseville City Fire | XPL-RSV | IV | HM-1 | 10-26-06 | 95678 |
| TYPE 1 | Sacramento City Fire | XSA-SCR | IV | HMRT-7 | 12-27-06 | 95823 |
| 11121 | Alameda County Fire | XAL-ACF | H | HM-12 | 3-10-08 | 95678 95823 94546 91204 94553 |
| | Glendale City Fire | XLC-GLN | 1 | HM-24 | 2-26-08 | |
| | Contra Costa County JPA | XCC-CCH | - 11 | | 11-1-07 | 94553 |
| TYPE 2 | San Ramon Fire Prot. Dist | XCC-SRM | - 11 | HM-35 | 6-19-09 | 94506 |
| | Truckee Fire Prot. District | XTB-TRK | IV | HM-1 | 10-6-08 | 96161 |
| TYPE 3 | Long Beach Fire | XLF-LOB | 1 | HM-24 | 2-26-08 | 90802 |

WHO PARTICIPATES IN THE STATE-WIDE HAZARDOUS MATERIALS MUTUAL AID PROGRAM?

C:\Documents and Settings\dunbary\My Documents\FirescopeStuff\Bulletins\BULL#20-Mutual Aid Roster.do

MOBILIZATION

- What are "Resources"?
- A Single Company Resource.* The request is for just one certified Haz-Mat Team company.
- 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.
- 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.



MOBILIZATION

What is the "Response" criteria?

| Response Mode | Time Frame | Criteria |
|--------------------------------------|--|---|
| INITIAL ATTACK: Code Three | 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 |
| IMMEDIATE NEED: Code Two or Three | 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 |
| PLANNED NEED: Normally Code Two | 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 |

MOBILIZATION

What is the "Staffing"?

- 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.
- 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.
- 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):
 - Type 3 staffing five, to CSTI Hazardous Materials Technician (HMT)
 - Type 2 staffing five, to CSTI Hazardous Materials Specialist (HMS)
 - Type 1 staffing seven, to CSTI Hazardous Materials Specialist and CSTI Weapons of Mass Destruction (HMS-WMD)

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:

| POSITION | DOCUMENT | PAGE |
|--------------------------------------|---------------------------|-----------|
| Strike Team / Task Force Leader | FOG ICS-420-1, Chapter 8 | Page 8-5 |
| Single Company Resource | FOG ICS-420-1, Chapter 8 | Page 8-7 |
| Hamandaya Matariala Casya Cyanasiana | FOG ICS-420-1, Chapter 8 | Page 8-4 |
| Hazardous Materials Group Supervisor | FOG ICS-420-1, Chapter 13 | Page 14-8 |

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:



MOBILIZATION

Are there special forms?

ARE THERE SPECIAL FORMS AND CHECK-OFF LISTS FOR HAZ-MAT MUTUAL AID?

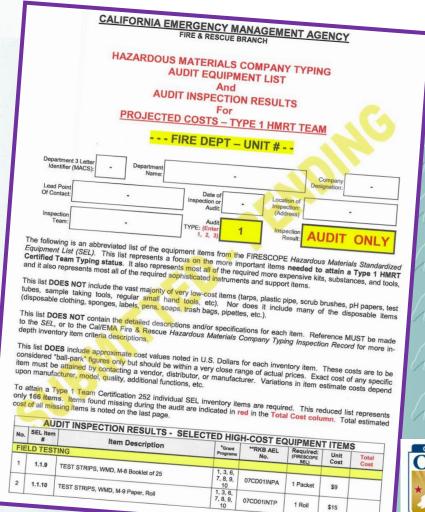
Yes. The most important packet of pre-designed forms are the standard FIRESCOPE ICS forms. There are about 26 different forms. Those most closely associated to the particular incident should be used. Your Task Force/Strike Team Leader should have a packet of them ready to go at all times. However, these 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)

| | | | D IIIO | H-COST EQ | | | _ |
|----------------------------------|--|--|--|--|---|--|------|
| No. | SEL Item | Item Description | *Grant Programs | **RKB AEL No. | Required: (FIRESCOPE SEL) | Unit Cost | Tota |
| 3 | 1.1.11 | TEST PAPER, WMD, 12 Chemical Cards, Military M256A1 Kit | 1, 3, 6, 7, 8, 9, 10 | 07CD01M256 | 1 Kit | \$250 | |
| 4 | 1.2.2 | HAZ-CAT KIT, Unknowns | 1, 3, 6, 7, 8, 9, 10 | 07CD01KLSV | 1 Kit | \$4,560 | |
| 5 | 1.2.8 | WMD, WATER TEST KIT, M272 or M273 | 1, 3, 6, 7, 8, 9, 10 | 07CD01KWTR | 1 Kit | \$995 | _ |
| 6 | 1.2.9 | WMD, CHEMICALS, Test Kit M18A2 or M18A3, or CAD- C-2 | | | 1 Kit | \$1,600 | |
| 7 | 1.3.1 Or 1.3.2 Or 1.3.3 | a. CHROMATOGRAPHY or b. SPECTROMETRY or c. SPECTROSCOPY | 1, 3, 6, 7, 8, 9, 10 | a. 07CD02DPGC b. 07CD01DPSI c. 07CD01DPIR or c. 07CD01DPRS | 1 Kit | ? \$64,655 \$95,000 | |
| (- | 1.4.1 Or 1.4.3 | COLORIMETRIC, Kit, Basic, or COLORIMETRIC, Kit, Chip, or COLORIMETRIC, Kit, Multi-Sensing | 1, 3, 6, 7, 8, 9, 10 | All 07CD01KCTC | 1 Kit | \$795 or \$3,900 or \$1,000 | |
| 9 | 1.4.4 | COLORIMETRIC, Kit, WMD Special (Cost varies based on Mfg) | 1, 3, 6, 7, 8, 9, 10 | 07CD01KCTC | 1 Kit | \$3,026 to \$4,000 | |
| | | BIOLOGICAL TESTING, Agent Specific: One of the | 138 | 3. 07BD01PTST | 1 Kit of | \$6,000 | |
| | | | | | | | |
| 10 | 1.5 2 | a. Protein Fluorescence, or b. Immuno-Assay, or c. DNA Reolication | 10 | o. 07BD01KFAS c. 07BD02DNRN | either type | \$8,500 \$36,000 | |
| | 1.5 Z MONITO | b. Immuno-Assay, or c. DNA Replication | | | | | |
| | | b. Immuno-Assay, or c. DNA Replication RING | | 03SR03KMON Or | | | |
| AIR | MONITO | b. Immuno-Assay, or c. DNA Replication | 10 | c. 07BD02DNRN 03SR03KMON | either type | \$36,000 \$535 to \$3,695 \$210 to | |
| AIR | MONITO | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) | 10 | 03SR03KMON Or | either type | \$36,000 \$535 to \$3,695 | |
| 11 12 | 2.1.1 2.1.2 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) | 1, 3, 7, 8 | 03SR03KMON Or 07CD01DPMG | 1 Kit 1 Kit 1 Unit or capability | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to | |
| 11 12 13 | 2.1.1 2.1.2 2.2.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1) | 1, 3, 7, 8 | 03SR03KMON Or 07CD01DPMG | 1 Kit 1 Kit 1 Unit or capability 1 Unit or capability | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 | 2 |
| 11 12 13 | 2.1.1 2.1.2 2.2.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as | 1, 3, 7, 8 1, 3, 6, 7, 8, 9, | 03SR03KMON Or 07CD01DPMG | 1 Kit 1 Kit 1 Unit or capability | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 | 7 |
| 11 12 13 14 15 | 2.1.1 2.1.2 2.2.1 2.2.2 2.2.4 2.3.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1 or 2.2.1) CALIBRATION KITS, for # 2.2.1, # 2.2.2 AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2 | 1, 3, 6, 7, 8, 9, 10 1, 3, 6, 10 1, 3, 6, 7, 8, 9, 10 | 0.078D02DNRN 03SR03KMON Or 07CD01DPMG 07CD01DPFI Or 07CD01DPFP 07CD01DPFP 07CD01DPFP | 1 Kit 1 Kit 1 Unit or capability 1 Unit or capability 1 Unit Ea 1 Unit or | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 ? | 7 |
| 11 12 13 14 15 | 2.1.1 2.1.2 2.2.1 2.2.2 2.2.4 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1 or 2.2.1) CALIBRATION KITS, for # 2.2.1, # 2.2.2 AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) | 1, 3, 7, 8 1, 3, 6, 7, 8, 9, 10 | 0.078D02DNRN 03SR03KMON Or 07CD01DPMG 07CD01DPFI 07 07CD01DPFP 07CD01DPPI | 1 Kit 1 Kit 1 Unit or capability 1 Unit Ea 1 Unit or capability 1 Unit Ea | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 ? \$471 to \$599 | 7 |
| 11 12 13 14 15 16 | 2.1.1 2.1.2 2.2.1 2.2.2 2.2.4 2.3.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1 or 2.2.1) CALIBRATION KITS, for # 2.2.1, # 2.2.2 AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) | 1, 3, 6, 7, 8, 9, 10 1, 3, 6, 7, 8, 9, 10 1, 3, 6, 7, 8, 9 | 0.078D02DNRN 03SR03KMON Or 07CD01DPMG 07CD01DPFI Or 07CD01DPFP 07CD01DPFP 07CD01DPFP | 1 Kit 1 Kit 1 Unit or capability 1 Unit or capability 1 Unit Ea 1 Unit Ea | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 to \$4,500 \$3,550 to \$4,500 | 7 |
| 11 12 13 14 15 16 | 2.1.1 2.1.2 2.2.1 2.2.2 2.2.4 2.3.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1 or 2.2.1) CALIBRATION KITS, for # 2.2.1, # 2.2.2 AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) TELEPING (In thru 2.3.4) HALOGEN GASES. Especially Chlorine (Can be same | 1, 3, 6, 7, 8, 9, 10, 1, 3, 6, 10, 10, 1, 3, 6, 10, 10, 1, 3, 6, 10, 10, 1, 3, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | 0.078D02DNRN 03SR03KMON Or 07CD01DPMG 07CD01DPFI Or 07CD01DPFP 07CD01DPFP 07CD01DPFP | 1 Kit 1 Kit 1 Unit or capability | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 to \$4,500 \$4,500 \$3,550 \$3,550 to \$599 \$197 to \$750 \$377 to | ? |
| 11 12 13 14 15 16 | 2.1.1 2.1.2 2.2.1 2.2.2 2.2.4 2.3.1 | b. Immuno-Assay, or c. DNA Replication RING depending on quality, versatility, functions) CALIBRATION KIT, for # 2.1.1 TOXIC VAPOR Monitoring (Can be same unit as 2.1.1) AROMATIC HYDROCARBONS (Can be same unit as 2.1.1 or 2.2.1) CALIBRATION KITS, for # 2.2.1, # 2.2.2 AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) PHOSPHINE (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) PHOSPHINE (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4) | 1, 3, 6, 7, 8, 9, 10 1, 3, 6, 10 1, 3, 6, 10 1, 3, 6, 10 | 0.078D02DNRN 03SR03KMON Or 07CD01DPMG 07CD01DPFI 07CD01DPFP 07CD01DPPI 07CD01DPPI 07CD01DPPI | 1 Kit 1 Kit 1 Unit or capability 1 Unit or Unit or Capability | \$36,000 \$535 to \$3,695 \$210 to \$265 \$3,550 to \$4,500 \$3,550 r \$4,500 \$750 \$770 to \$750 \$377 to | 7 |



HMRT INSPECTION PROGRAM AUDIT PROGRAM

- 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".

| No. | SEL Item # | Item Description | *Grant Programs | **RKB AEL No. | Required: (FIRESCOPE SEL) | Unit Cost | Total Cost |
|-----|---------------|--|----------------------|--------------------------------|--|--------------------|------------------------|
| 154 | 13.3.6 | NON-SPARKING, Hammer, Sledge, 7 to 10 Lbs (Cost varies depending on weight) | | | 1 | \$155 to \$180 | \$155 To \$180 |
| 155 | 13.3.7 | NON-SPARKING, Hammer, Claw, 20 to 24 oz (Cost varies depending on weight) | | | 1 | 1 | \$64 To \$91 |
| 156 | 13.3.10 | NON-SPARKING, Screwdriver Set, Chisel Point | | All "Non- | 3 Diff Sizes | | \$85 To \$135 |
| 157 | 13.3.11 | NON-SPARKING, Screwdriver Set, Phillips Point | 1, 2, 3, | Sparking" tools fall under the | 3 Diff Sizes | | \$75 To \$155 |
| 158 | 13.3.12 | NON-SPARKING, Pliers, Ordinary, Utility | 4, 7, 8, 9, 10 | following RKB AEL Number: | 1 | \$60 | \$60 |
| 159 | 13.3.13 | NON-SPARKING, Pliers, Wire, Side-Cutting | 9, 10 | ALL Number. | 1 | \$115 | \$115 |
| 160 | 13.3.14 | NON-SPARKING, Pliers, Long-Nose | 1 | 03OE04KTTL | 1 | \$95 | \$95 |
| 161 | 13.3.17 | NON-SPARKING, Wrench, Bung, Universal | 1 | OJOLO4KI IL | 1 | \$116 | \$116 |
| 162 | 13.3.18 | NON-SPARKING, Wrench, Crescent, Adjustable (Cost varies depending on size range) | | | 3 Diff Sizes \$1 1 \$6 1 \$1 1 \$1 2 Diff Sizes \$15 | | \$160 To \$216 |
| 163 | 13.3.20 | NON-SPARKING, Wrench, Pipe, Adjustable (Cost varies depending on size range) | | | | | \$300 To \$410 |
| 164 | 13.3.26 | NON-SPARKING, Knife, Putty | 1 4 | | 1 | \$7 | \$7 |
| 165 | 13.3.27 | NON-SPARKING, Shears, Cutting | | | 1 | \$113 | \$113 |
| 166 | 13.3.30 | REFRIGERATOR, Utility, Small (Cost depends on brand, quality) | 1, 2, 3, 5, 7, 13 | 19GN00RFGR | 1 | \$750 to \$1250 | \$750 To \$1,250 |
| | | | 100 | | LC | OW END | \$234,02 |
| | | | 100 | | HI | GH END | \$400,57 |
| | | | 100 | | - | WEDIAN | \$317.30 |

Developed 01 May 2009.

Revised 5 January 2010

Specific Grant Programs: Grant Programs for which the specified item may be allowable (per the FEMA "Responder Knowledge Base" (RKB) Authorized Equipment List (AEL).

- 1 = SHSP/UASI State Homeland Security Program/Urban Area Security Initiative
- 2 = LETPP Law Enforcement Terrorism Prevention Program
- 3 = MMRS Metropolitan Medical Response System
- 4 = CCP Citizens Corps Program
- 5 = EMPG Emergency Management Performance Grants
- 6 = IBSGP Intercity Bus Security Grant Program
- 7 = TSGP Transit Security Grant Program
- 8 = PSGP Port Security Grant Program
- 9 = BZPP Buffer Zone Protection Program
- 10 = Chem-BZPP Chemical Buffer Zone Protection Program
- 11 = NSGP Nonprofit Security Grant Program
- 12 = PSIC Public Safety Interoperable Communications Program
- 13 = EOC Emergency Operations Center
- ** 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.firegrantsupport.com

HMRT INSPECTION PROGRAM AUDIT PROGRAM

- 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)

| | | | / | | | 1/1/ | | | 11 | P | (1/ | 10 | 11/1 | (1) | 1 |
|--------------|---------------------------------|------------|-------------|------|-----------------|---|--------------------------------|------------------|-----------|-----------|--------------|---------------------|---|--------|------------|
| CH | HART#1(| CAL | . / EI | ΜA | – Fii | re & R | lescu | e Bra | nch – I | HMRT | Audits | | ped (SOME FROM PREVI | | |
| Insp. | Agency | Insp. | Op | _ | Туре | Туре | Pass - | Unit | SS | SS | Median \$\$ | | RANT MANAGEMENT - | AWARDE |) |
| Date | Grant Contact "A A" | # | Area | Reg. | Insp. | Cert | Fail | # | LowEnd | Hi End | iviedran \$5 | Notify / Replied | P of P | | Amount |
| 4-15- 09 | LA County F.D. | 18 | XLB- LAC | 1 | 1 | 0 | Audit Only | HM #76 | \$51,492 | \$104,224 | \$77,858 | Yes Yes | Dean McGuire, BC 323-881-3041 dmcguire@fire.lacounty.gov Christy Grandon | | \$80,000 |
| 4-15- 09 | LA County F.D. | 40 | XLB- LAC | 1 | 1 | 0 | Audit Only | H M #105 | \$88,147 | \$126,112 | \$97,130 | Yes Yes | ograndon@fire.lacounty.gov Hiedy Oliva holiva@fire.lacounty.gov | | \$100,000 |
| 4-16- 09 | LA City Fire Dept. | 38 | XLA- LFD | 1 | 1 | 0 | Audit Only | HM #4 | \$26,881 | \$42,830 | \$34,845 | Yes | | | \$35,000 |
| 4-16- 09 | LA City Fire Dept. | 39 | XLA- LFD | 1 | 1 | 0 | Audit Only | HM #87 | \$38,382 | \$59,145 | \$48,754 | Yes | | | \$50,000 |
| 5-21- 09 | Marin Co FD Haz-Mat JPA | 33 | XMR- MRN | П | 1 | (This would be an upgrade to 1) | Audit Only | HM-1 | \$78,482 | \$117,480 | \$97,971 | | | | \$0 |
| 2-26- 08 | Long Beach | 7 | XLF- LOB | 1 | 3 | 3 (This would be an upgrade to 1) | Typing Inspection -PASS- | HM-24 | \$81,955 | \$120,084 | \$101,020 | Yes Yes | Christopher Rowe Christopher.rowe@longbeach .gov | 1 | \$105,000 |
| 6-19- 09 | San Ramon Valley FPD | 28 | XCC- SRM | п | 2 | 2 (This would be an upgrade to 1) | Typing Inspection -PASS- | HM-35 | \$127,120 | \$201,199 | \$187,180 | | | | S 0 |
| 7-7-09 | Eureka Fire Dept | 31 | XHU- EUR | П | 2 | 0 | Typing Inspection -FAIL- | HM-8190 | \$22,033 | \$33,785 | \$27,910 | | | | S0 |
| 7-31- 09 | Butte County Fire (Cal/Fire) | 38 & 37 | XBU- BUT | Ш | 2 | 0 | Typing Inspection -FAIL- | HM-1 or HM-64 | \$89,252 | \$121,308 | \$105,279 | Yes Yes | Russ Fowler, BC 530-538-7111 530-521-8056 (C) Russ fowler@fire.ca.gov | | 50 |
| 10-8- 09 | Bakersfield F.D. | 42 | XKE- BKR | ٧ | 2 | 0 | Typing Inspection -FAIL- | HM-15 | \$8,772 | \$17,898 | \$13,335 | Yes Yes | Garth Milam, BC 661-326-3688 (O) 661-708-3688 (C) | | \$205,000 |
| 10-8- 09 | Bakersfield F.D. | 42 | XKE- BKR | ٧ | Upgrade to 1 | 2 | Upgrade To 1 | HM-15 | \$122,956 | \$282,718 | \$192,836 | | gmilam@bakersfieldfire.us | | S 0 |
| 10-12- 09 | Sutter County F.D. | 30 | XSU- STC | Ш | 3 | 0 | Typing Inspection -FAIL- | Rescue 8 | \$28,147 | \$34,943 | \$31,545 | Yes Yes | Dan Yager, Chief 530-822-7400 530-882-7908 (C) dyager@co.sutter.ca.us | | 38,600 |
| 2-2-08 | Merced Co. F.D. | 11 | XMD MRD | ٧ | Upgrade to 1 | 2 | PASS | HM-62 | \$104,626 | \$168,249 | \$136,438 | | | | S 0 |
| 2-11- 10 | San Diego (HM-1) | 9 | XSD SND | VI | 2 | 0 | Typing Inspection -FAIL- | HM-1 | \$30,007 | \$38,949 | \$34,478 | | | | S 0 |
| 244 | | | ven | _ | | | Unameda to | | | | | | | | |

Cal OES Contacts

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Any Questions







That is all Pollas!



