

# 2010 Summit

## Michigan's Emergency Management Conference

### "Training...The Key to Success"

#### General Session and Workshop Descriptions

**Tuesday, October 5, 2010 - General Session (12:30 PM – 2:00 PM)**

#### **Emergency Management Sharing Forum**

Join us for the opportunity to learn about best practice models from across the state. These representatives will help jump start or enhance your program by providing an overview of how they successfully initiated a new way of doing things to improve their capabilities.

**Tuesday, October 5, 2010 - Workshops in Session (2:20 PM – 3:20 PM)**

**A1 Community Expectations: Matching Government Capabilities to the Expectations of the Public**

Jeff Friedland, St. Clair County Homeland Security and Emergency Management

Major events potentially affect all types of essential services in both government and private sectors. These are services residents expect to be delivered, are necessary for other services to function, and remain critical to public safety. Horizontal planning and resilience are two relevant issues required to deliver essential services. Learn how regional or local governmental structures provide the platform for horizontal planning and cooperation for emergency preparedness.

**A2 Impact Decision Support Services from the National Weather Service**

Rich Pollman, National Weather Service

The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the protection of life and property and the enhancement of the national economy. NWS Decision Support Services (DSS) provides decision makers, or emergency personnel, with critical environmental data and forecasts to allow them to better protect life and property. An important aspect to this will be interpretive services from the NWS for all types of events including severe weather, hazardous materials emergencies, and large planned events.

**A3 Geographic Information System (GIS) in Emergency Management**

Michelle Kleckler, Michigan Department of State Police

The GIS in Emergency Management Workshop will cover the role of GIS in the State Emergency Operation Center and emergency management programs within the Michigan State Police. The session will discuss available support from state agencies and ways to obtain information from and participate in emergency management GIS working groups. The workshop will also discuss how local agencies can leverage free emergency management GIS resources and data from ArcGIS.com, ArcGIS Explorer, and the ESRI Resource Center. The workshop will also explain how these resources can be used without additional desktop software and how they can be integrated into an existing GIS.

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**A4 How Michigan State Police (MSP) Dispatch Can Support Local Responders**

Trevor Carlsen, Eastern Regional Communication Center, Detroit  
Jaclyn Klepadio, Northern Regional Communication Center, Gaylord  
Brian McEachern, Superior Regional Communication Center, Negaunee  
Tom Valdez, Western Regional Communication Center, Rockford

Learn how MSP's Intel and Communication Support Centers around the state can assist and enhance local agency dispatch response efforts at no charge. This workshop will also review what services can be provided and offer examples of how our centers have worked with local agencies in the past.

**A5 The Michigan Mutual Aid Box Alarm System (MABAS-MI)**

Operations Chief Trent Atkins, City of Lansing Fire Department

The Michigan Mutual Aid Box Alarm System (MABAS-MI) is an organization of fire departments throughout Michigan providing a system to move mutual aid fire service resources. Chief Atkins will share with participants the current status of MABAS in Michigan along with the importance and advantages of applying the system to their local resources.

**A6 Michigan Urban Search and Rescue (MUSAR) Response System - Region 2**

Instructor to Be Announced

The Region 2 Urban Search and Rescue (USAR) response system is designed to provide supervision and control of essential functions at incidents where technical rescue expertise and equipment are required for safe and effective rescue operations. USAR incidents can be caused by a variety of events such as a tornado or terrorist incident that cause widespread damage to a variety of structures, entrapping hundreds of people. Other examples of USAR events range from mass transportation accidents with multiple victims to single site events such as a trench cave-in involving one or two victims. USAR operations are unique in that specialized training and equipment are required to mitigate the incident in the safest and most efficient manner possible.

**A7 www.do1thing.us: Partnerships for Citizen Preparedness**

Steve Lehman, Larry St. George, Clinton County Emergency Management Agency

The www.do1thing.us citizen preparedness program offers a unique, ready-made approach to citizen preparedness and is a great way for agencies to help those they serve become better prepared for emergencies and disasters. It also assists local Emergency Management Programs and Regional Homeland Security Planning Boards meet '09 citizen preparedness and special needs preparedness requirements.

**A8 Rats and Mice – "Everything You Never Wanted to Know About Them"**

Mel Poplar Sr., Michigan Department of Agriculture

Participants will learn the differences between rats and mice, why they are considered pests to mankind and view several short video footages documenting their amazing ability.

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- A9 Fertilizer - Security, Spills, and Storage**  
April Hunt, Michigan Department of Agriculture

From anhydrous ammonia to ammonium nitrate, fertilizer has made the news for both security and safety reasons. The Michigan Department of Agriculture (MDA) will provide an update on legislation that impacts their role in fertilizer security and current industry trends as well as emergency planning and response.

**Tuesday, October 5, 2010 - Workshops in Session (3:40 PM – 4:40 PM)**

- B1 National Incident Management System (NIMS) Resource Typing for Hazardous Materials Teams**  
Tony Garcia, Emergency Management and Homeland Security Training Center

Resource typing is categorizing by capability, the resources requested, those deployed, and how they are used in incidents. Measurable standards identifying resource capabilities and performance levels serve as the basis for categories. Resource users at all levels use these standards to identify and inventory resources. This workshop will identify the credentials needed to classify a HazMat team as a Type I, II, or III and the process to acquire the typing credentials.

- B2 Strengthen Your Emergency Management Program**  
Jim Reardon, Michigan Department of State Police

This workshop will provide methods to assist public and private emergency management organizations strengthen their program's capabilities by assessing and aligning with national standards and protocols developed for emergency management.

- B3 Incident Command System (ICS) Principles in a Jurisdictional Response to the 2009 H1N1**  
Jack Stewart, Kent County Emergency Management  
Dayna Porter, Kent District Health Department

The emergence of 2009 H1N1 pandemic influenza required local jurisdictions to embark on extended, large-scale public health emergency response operations. Long-established relationships in Kent County between local emergency management and local public health, coupled with the use of the Incident Command System (ICS), were critical to success. This workshop discusses the interaction between local public health and emergency management during a public health emergency and successful implementation of ICS within a local health department.

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**B4 Bomb Threat Assessment Tool for Schools**

Spl/Sgt. Tim Ketvirtis, Michigan Department of State Police  
Mary Drew, Michigan Department of State Police

High-profile school violence cases along with the unprecedented access to bomb-making instructions on the Internet have contributed to the growth of bomb threats, suspicious devices, and homemade bombs in schools, on their grounds, and aboard their school buses. This has left schools in the position of not only educating students, but also providing security. This workshop is designed to help schools and first responders respond to a bomb threat in a systematic and orderly manner.

**B5 The Michigan Intelligence Operations Center (MIOC) and Suspicious Activity Reporting in Michigan**

D/F/Lt. Dale Peet, Michigan Department of State Police

This workshop will provide a high level overview of the MIOC and its capabilities as one of 72 nationally recognized Fusion Centers within the national network in support of homeland security. The workshop will also include information concerning suspicious activity reporting in Michigan to consist of presentations by the FBI and MIOC staff. The session will also explain how suspicious activity can be reported and how this information is handled and processed. Learn about the Michigan Criminal Information System (MCIS) as it provides intelligence information from across the state.

**B6 Leadership 101 - The Cliff Notes Version**

Dr. Robert Wolford, Michigan Department of State Police

True leadership has not changed over time. This workshop will cover the basic areas of leadership and target task orientation, caring for your staff, and taking care of self.

**B7 Flooding on River Systems with Hydroelectric Dams**

Suzanne Pate, Consumers Energy

A high water event on a river with a dam can be weather related, dam related or a combination of both. This workshop will look at each of these scenarios and possible related misconceptions to achieve a greater understanding of each event. Participants will review "how a dam works," a dam's Emergency Action Plan, a sunny day or flood breach dam failure and associated dam failure inundation maps. Participants will also learn what communication emergency management can expect from the dam owner and the required response from emergency responders for a flood event on a river with a hydroelectric dam.

**B8 Enbridge Marshall Pipeline: MDA and MI-SART Response in the Wildlife Care Effort**

Dr. Nancy Barr, Mike Neault, Michigan Department of Agriculture

Discussion and Q & A on the events that led to the first deployment of MI-SART and how MDA and MI-SART was in the right place at the right time to assist the United States Fish and Wildlife Services response to the recent oil spill in Marshall, MI.

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#### **B9 Hazard Mitigation Grants and Plans**

Matt Schnepp, Michigan Department of State Police  
Mike Sobocinski, Michigan Department of State Police

FEMA has changed the application process for the Hazard Mitigation Assistance Grant Program by providing unified guidance for all five grant programs. This workshop will provide an overview of the FEMA guidance document and the process to apply for the grants under the revised process. Since hazard mitigation grants require the completion of a FEMA-approved hazard mitigation plan, this workshop will also provide overviews of the local hazard mitigation planning process and plan update requirements to keep a plan current and thus retain eligibility for federal mitigation grants.

#### **Wednesday, October 6, 2010 - Eight Hour Workshop Options (8:00 AM – 5:00 PM)**

#### **C1 Incident Command System (ICS)/Emergency Operations Center (EOC) Interface (PEM Course)**

Tony Garcia, Emergency Management and Homeland Security Training Center

This 8 hour course highlights the concepts and interaction between two disaster management systems: the Incident Command System (ICS) and the Emergency Operations Center (EOC). Both elements will be studied as integral parts of the National Incident Management System (NIMS) required in disaster response. Discussion will examine issues in communication, coordination, and decision making enabling participants to properly plan for response and recovery.

*Prerequisites: IS-100.a, IS-200 (or IS-200.HC), ICS-300, and ICS 400*

*Suggested courses: G-230, G-235, and IS-701*

#### **C2 Leaks, Spills and Fire Control**

Capt. Ron Gore (ret.), Safety Systems Emergency Counter-Measure Services

This program will emphasize understanding and utilizing the "Timely and Effective Response Strategy and Tactics" involving HazMat/WMD Team/Leadership and Control aspects of major (large and small) incidents. They would include: first-on-the-scene and ongoing size up; hazard assessment; prioritizing and performing essential needs/requirements; identifying products and hazards; surveying and mapping incidents; making damage assessments; addressing special needs - including rescue, spill, fire and vapor cloud containment and confinement; salvage and recovery operations; interacting with other entities (i.e., local, state, federal agencies, product owners/shippers, carriers, consignees, commercial contractors and industrial specialists); dealing with special leak problems and selecting the correct leak, spill and fire containment solutions and equipment. Various chemical weapons of mass destruction will also be addressed including: chlorine, bromine, anhydrous ammonia, hydrogen chloride, sulfur dioxide, hydrogen fluoride, LPG as well as other WMD potentials. Hands-on training will conclude this program.

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**C3    Workshop in Emergency Management (WEM): Legal Issues in Emergency Management (PEM Course)**

Robert Ianni, Office of the Attorney General

This 8 hour workshop will explain current laws and legal issues in emergency management and homeland security. Topics covered are the Michigan Emergency Management Act, Public Health Codes, fire laws, police powers, mutual aid compacts, liability issues, and current disaster case law.

*Suggested course: G-230*

**C4    Planning for the Needs of Children in Disaster (NEW FEMA COURSE)**

Lori Hornbeck, Michigan Department of State Police

The purpose of this workshop is to provide guidance for Emergency Managers and other agencies, organizations, and implementers of children's programs. Learn how to meet the unique needs that arise among children as a result of a disaster or emergency. After completing this workshop, participants will be able to create, update, or revise an Emergency Operations Plan (EOP) for their community or organization to effectively address the unique needs of children in disaster. This workshop correlates with an Independent Study (IS) course called "Planning for the Needs of Children in Disasters" and may be taken separately or in conjunction with the IS course. The IS course can be found at: <http://training.fema.gov/EMIWeb/IS/is366.asp>.

**Wednesday, October 6, 2010 - Four Hour Workshop Options (8:00 AM – 12:00 PM)**

**D1    Area Rae Deployment, Operation and Maintenance**

James Justice, U.S. Environmental Protection Agency and 51<sup>st</sup> Civil Support Team (CST) Representative

This course will prepare responders to utilize Area Rae wireless air monitors at an emergency or special event covering proper use, operation, and deployment strategies. Several case studies involving successful deployment of Area Raes by local and national response teams will be reviewed. Maintenance including sensor changes, PID lamp cleaning, and troubleshooting will also be shared.

**D2    HazMat IQ –First Responder Offensive (FRO)**

Chris Aguirre and Joe Gorman, HazMat IQ LLC

During a hazardous materials emergency, time is the enemy. When lives are in danger from the accidental or intentional release of hazardous materials, there is no time to wait for a hazmat team to arrive and don Level A suits. First responders need the training and the tools to conduct a rapid rescue and recon. This training is perfect for departments that do not have a hazmat team nearby, or a department with a hazmat team that wants to enhance the capabilities of their first arriving units. Urban areas or high threat locations will also benefit by having all their first responder units trained in these rescue/recon tactics. This course meets NFPA 472 "mission specific" competencies for rescue/recon, air monitoring, and personnel protective equipment.

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##### **D3 Overview of Volunteer Reception Centers**

Abigail Watkins, Newaygo County Emergency Services

During times of disaster, large numbers of unaffiliated volunteers come forward to help. Such volunteers are not associated with any recognized disaster response agency, but can possess valuable training, skills, and experience. Without formal training in emergency response and coming without established credentialing, this group can overwhelm the rescue efforts, potentially resulting in increased risk of injury or death. The Volunteer Reception Center (VRC) is an established process for matching unaffiliated volunteers with established voluntary organizations and procedures for effectively channeling offers of assistance from unaffiliated citizens to meet disaster related needs. The VCR serves as the centralized point for identifying, screening, interviewing, and referring volunteers in a professional manner during an emergency. This presentation will outline difference between affiliated and unaffiliated volunteers, highlight the purpose and benefits of the Volunteer Reception Center System, describe the volunteer flow through the Reception Center, describe and identify the responsibility of the Volunteer Reception Center staff positions, describe the legal and liability issues, and conduct a simulated run through of the Volunteer Reception Center both as volunteers and Volunteer Reception Center staff.

##### **D4 Hands-on Chemical Identification Workshop: Practical Raman and Fourier Transform Infrared (FTIR) Spectroscopy**

John Johnson, Thermo Fisher Scientific  
Jesse Taylor, Jesse Taylor Ltd

This hands-on workshop provides attendees practical experience with field-based chemical identification instruments. Drawing from real-world user scenarios, attendees gain a solid understanding of Raman and FTIR spectroscopy, and how they can be used as part of the first responders' toolbox. Best practices and application scenarios are discussed along with the practical exercises. Basics of Raman and FTIR spectroscopy are also addressed, including strengths and limitations of each technology. Attendees learn when each technology should be used to help determine appropriate response, and when to rely on other tools. Designed specifically for hazmat professionals, this workshop helps attendees get the most out of their chemical identification instrumentation- for faster and safer incident response.

#### **Wednesday, October 6, 2010 - Two Hour Workshop Options (8:00 AM – 9:50 AM)**

##### **E1 Strategy and Tactics at a Train Derailment**

Ron Tennant and Dennis Reilly, Emergency Management and Homeland Security Training Center

Join us as we assess a "table-top" derailment of a freight train hauling dangerous, toxic materials. We will be using models and realistic documentation to allow us to fully analyze the containers and their contents. We will attempt to predict the behavior of the chemicals and containers, and their impact on both responders and the surrounding community. Join us as we plan a response, implement that response, and assess our progress.

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**Michigan's Emergency Management Conference**  
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**E2 Blowing Up Can Ruin Your Whole Day!**  
Chris Wrenn, Environics USA

Combustible gases and vapors are one of the most common gaseous threats for HazMat responders. Many responders don't fully understand how their combustible gas sensors operate and what their limitations are. This course will discuss the operation and limitations of wheatstone bridge catalytic bead LEL sensors, infrared combustible sensors, thermal conductivity combustible gas sensors, dilution fittings and even using Photo Ionization Detectors (PIDs) for assessing combustible environments. It will help you understand when to trust and use each technology.

**E3 Homeland Security Exercise and Evaluation Program (HSEEP) Overview: A Hoosier Perspective**  
Ken Woodall, Indiana Department of Homeland Security

The HSEEP overview is intended to give those not familiar with HSEEP a better understanding of the program and the policies that drove to the development of the program. Additionally, an Indiana perspective as to how HSEEP has been implemented throughout the state will serve as a possible best practice or solution to current issues your agency may be facing with the implementation of HSEEP.

**E4 Hazmat by the Numbers**  
Chris Hawley, Computer Sciences Corporation

Have you ever wondered what the term vapor pressure actually means? In your HazMat technician class you may have written down the definition, and discussed it, but were you actually taught how to apply this term? Vapor pressure, along with many other "terms" that relate to chemical and physical properties this session focuses, not only on what the words mean, but more importantly how they can impact your health and safety. By truly understanding some simple terms, responders can make decisions regarding PPE, isolation and evacuation and determine the severity of the event.

**E5 Integrating Michigan's Tier II Manager Information into Computer-Aided Management of Emergency Operations (CAMEO)**  
Susan Parker, Michigan Department of Natural Resources and Environment  
Jim Breuker, Michigan Department of State Police  
Brian Stults, Emergency Management and Homeland Security Training Center

Bring your laptop (you'll need administrator rights to it too). Leave with your county's current hazardous chemical inventory data loaded into CAMEO on your laptop. This workshop will help you understand the basics of the powerful CAMEO software. LEPCs and fire departments will learn how to use Tier II Manager data with CAMEO to help in meeting the planning requirements of SARA Title III and Firefighter Right-to-Know. Michigan SARA Title III Program updates will also be provided.

# 2010 Summit

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**Wednesday, October 6, 2010 - Two Hour Workshop Options (10:10 AM – 12:10 PM)**

- E6 Hydrogen Cyanide (HCN) The New Carbon Monoxide**  
Capt. Jeremy Boyle and Capt. Jason Krusen, Columbia Fire Department, South Carolina
- HCN, although not a new product of combustion, it is quickly becoming one of the most recognized by the fire service. During this presentation participants will learn about the physical characteristics and health effects associated with HCN exposure in structure fires. The process Columbia FD (SC) pursued in order to monitor for the HCN at structure fires will be explained in depth. Current research on this deadly gas will be discussed.
- E7 Dealing With Dysfunctional Teams**  
Chaplain Mark Blocher, MSP Chaplains Corps
- This session explores the leadership issues that arise when teams become dysfunctional- when they lose sight of the mission and values that drive a team's activity. Participants will learn how to identify and remedy the five dysfunctions of a team and the seven deadly sins that lead to ineffective leadership.
- E8 Photo Ionization Detectors (PIDs) as a HazMat Response Tool**  
Chris Wrenn, EnviroNics USA
- Photo Ionization Detectors (PIDs) measure ppm levels of many toxic gases and vapors. PIDs are a valuable tool for making HazMat responses safer, shorter and less costly. This extensive seminar will discuss how PIDs work and how to apply them to a HazMat incident.
- E9 Weather Disasters and Your Partnership with Broadcast Meteorologists**  
Paul Gross, WDIV-TV
- Mr. Paul Gross, a television meteorologist, gives an overview of the different types of weather disasters that affect Michigan and facilitates an interactive and engaging discussion about how to improve your lines of communication with the broadcast meteorologists in your area.
- E10 Hazmat by the Numbers**  
Chris Hawley, Computer Sciences Corporation
- Have you ever wondered what the term vapor pressure actually means? In your HazMat technician class you may have written down the definition, and discussed it, but were you actually taught how to apply this term? Vapor pressure, along with many other "terms" that relate to chemical and physical properties this session focuses, not only on what the words mean, but more importantly how they can impact your health and safety. By truly understanding some simple terms, responders can make decisions regarding PPE, isolation and evacuation and determine the severity of the event.

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**Wednesday, October 6, 2010 - Four Hour Workshop Options (1:00 PM – 5:00 PM)**

**D5 Gasoline Tank Truck Emergencies**

Gary Sharp, Chris Waier, and Don Ostrowski, Emergency Management and Homeland Security Training Center

Gasoline tank trucks travel through almost every community in Michigan and most often safely deliver their product without incident. When an accident does happen, it can quickly escalate to a major emergency. Is your department prepared if you are called to a gasoline tank truck that is rolled over, leaking, or on fire? This course will train responders on the proper steps to take at gasoline tank truck emergencies. This course will cover first responder operations including hot zone, rescue operations, emergency valve shut off, car vs. tanker with extrication, defensive leak control, and fire attack. Technician level topics will include dome clamp application, foam considerations, alternative fuels, scene management, bonding/grounding and overseeing product transfers. Command level topics will include strategy selection, developing incident action plans, evacuations, resource deployment, mutual aid/inter-agency cooperation, and environmental considerations.

**D6 HazMat IQ – Above the Line/Below the Line**

Chris Aguirre and Joe Gorman, HazMat IQ LLC

The HazmatIQ 4-Step System is a response tool that incorporates a series of easy-to-understand job aids called Smart Charts Step 1 is above the line/below the line chemical size-up using only the chemical name. Step 2 is chemical research process based on only seven chemical and physical properties. Step 3 is detection device selection: CGI, PID, FID, pH paper, Temperature gun, KI paper, etc. Step 4 is accurate PPE selection: Level-A, Level-B or SFPC (bunker gear).

**D7 The Command Game**

Kevin Bersche, Farmington Hills Fire Department  
Kevin Sehlmeier, Grand Rapids Fire Department

This four hour program offers insight into the Incident Command System in a fun and practical way. Simple tasks will be assigned to groups who must communicate their needs and progress through the command structure appropriately. Participants will experience the successes and frustrations that occur on virtually all incidents and learn techniques to more effectively manage the scene. The instructors will bring their practical experiences out through the course to highlight methods that have proven successful on small and very large emergency scenes, including the recent Dundee tornado. This course will also discuss the roles that the Incident Command System, the Emergency Operations Center and local officials may have during large scale incidents.

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## Michigan's Emergency Management Conference

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**D8 HazMat Officer Competency Lab**

Greg Socks & Robert Stephan, Montgomery County, Maryland Fire & Rescue Services

This interactive and challenging workshop will use scenario based training in the classroom to simulate real life incidents. The unique session will utilize Fire Studio Simulator software, radios, laptops, and ICS vests while pictures and videos and sound will add realism to the scenarios. The program will stress the 8-Step Process for HazMat Officers and is a participant enhanced program. This is a great program for potential, new and experienced HazMat Officers.

#### Wednesday, October 6, 2010 - Two Hour Workshop Options (1:00 PM – 2:50 PM)

**E11 Grounding and Bonding – What is it? Why and How do we do it?**

Mike Richardson, Safe IR

This presentation will layout the What, Why, and How of grounding and bonding. The program will follow the recommendations as set forth by the NFPA 472 standards and discuss the misunderstanding of what ground resistance is and why do we do it first. Then, by demonstration, the instructor will show how we set up a grounding field for the damaged container, grounding field for the recovery container and appliances and how to bond them together. This is an interactive program that will ask the student to discuss the subject. If you wish, bring your ground density meter with you and we will make sure you know how it works!

**E12 Protecting Communities from Wildfire Using Firewise Mitigation and Planning**

Mark Hansen, Michigan State University

Paul Kollmeyer, Michigan Department of Natural Resources and Environment

This workshop will help participants better understand wildfire behavior, threat and mitigation thru video and PowerPoint presentation, GIS maps, and group discussion. Paul Kollmeyer, Wildfire Prevention Specialist with MDNRE, and Mark Hansen with MSU Extension will share their expertise and experience in what to consider when assessing wildfire threat, and offer ideas for mitigation and education, and where to go for additional resources.

**E13 Improvised Explosive Device (IED) Awareness**

Sgt. Joshua Collins, Michigan Department of State Police

The explosives recognition and awareness training program will provide the attendee with a general knowledge of commercial, military and improvised explosives with an emphasis on explosives related incidents that have occurred in Michigan. The goal of the program is to provide a sufficient amount of information about explosives and improvised explosive devices in order to aid the emergency first responder in identifying a possible explosive related situation while performing their daily duties.

**2010 Summit**  
**Michigan's Emergency Management Conference**  
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**General Session and Workshop Descriptions**

**E14 Basic Radar Interpretation and Storm Damage Assessment for Emergency Managers and First Responders**

Matt Zika, National Weather Service, Marquette  
James Keysor, National Weather Service, Gaylord

Have you ever wanted to learn more about interpreting weather radar images? Have you ever done a severe weather damage survey and not really understood what you were looking at? This combined workshop will focus on basic radar interpretation and damage assessment for Emergency Managers and First Responders. A variety of topics will be covered including how Doppler Radar works, storm interpretation, basics of damage surveys and understanding damage indicators. The purpose of this workshop is not to make the attendees meteorologists, but instead provide them the background and understanding to better serve their communities and assist the National Weather Service when severe weather strikes.

**Wednesday, October 6, 2010 - Two Hour Workshop Options (3:10 PM – 5:10 PM)**

**E15 HazMat Team Safety Officer**

Capt. Jeremy Boyle and Capt. Jason Krusen, Columbia Fire Department, South Carolina

What does it take to be an effective HazMat Team Safety Officer? Estimating potential harm, assessing risks, developing a safe Incident Action Plan, monitoring unmanaged risks and evaluating tactical operations are but a few of the essential tasks. This session will cover roles and responsibilities, collecting data and evaluating information to ensure team safety. Scenarios will challenge participants and raise their awareness of safety practices.

**E16 Thermal Imaging Applications for HazMat Response**

Mike Richardson, Safe IR

This presentation will cover the eight primary uses of thermal imaging in HazMat response. Various incidents will be reviewed where thermal imaging was used successfully. The presentation will also review the potential shortcomings of thermal imaging in HazMat response. It will also address the new NFPA Standard 1801 - Thermal Imagers for the Fire Service which is slated for review and publication in 2009/2010.

**E17 Michigan Public Safety Communication System (MPSCS) 800 MHz Radio Use - Refresher Course**

Sgt. Jerry King and Sgt. Scott Schlehuder, Michigan Department of State Police

This 2-hour block of instruction utilizing a 'hands-on' approach, will review the operation of both the portable and mobile radio and revisit the concept of zones and talk groups, scanning, radio tones/bonks, battery maintenance, radio repair procedures, the 800 MHz system, local agencies in your area and interoperability.

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**Michigan's Emergency Management Conference**  
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**General Session and Workshop Descriptions**

**E18 Partnering Emergency Management and Citizen Corps**  
Sgt. Kevin Sweeney, Michigan Department of State Police

In this two hour class attendees will learn about the Citizen Corps Program (CCP) and its five partner programs. Attendees will also learn how to merge the CCP and its five partner programs into emergency management response, training and exercise plans. Attendees will be shown examples of programs in both Michigan and elsewhere where success has been proven.