

THE NDPC NEWS

The Newsletter of the National Domestic Preparedness Consortium



MESSAGE FROM THE CHAIRMAN



Dr. Karl Kim, Chair

How does the National Domestic Preparedness Consortium impact National preparedness?

The National Preparedness Goal is to "build a secure and resilient nation with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk."

The National Domestic Preparedness Consortium (NDPC) members combine to provide expertise

across the core capabilities, identified in the National Preparedness Goal, necessary to prepare the nation for incidents that pose the greatest risk. The national impact of the Consortium is summarized in this issue of the newsletter and is evident in the quality and amount of training delivered, improved competencies across emergency management disciplines, and more resilient communities. These outcomes reduce risks and create a culture of preparedness.

The NDPC has trained over 2.2 million people across the nation. The diffusion effects of this training mean that more than three times that number have benefited from our training. The training portfolio is the result of sustained, engaged partnerships with universities and subject matter experts. Student evaluations, post-tests, and follow-up surveys indicate that NDPC training is widely used and have resulted in policy changes that have increased resilience. NDPC's proficiency in curriculum development and training delivery enables immediate response to the training needs of state, local, tribal and territorial governments, as well as, emerging threats and hazards. For example, the NDPC rapidly responded to the recent Ebola health crisis by quickly developing and delivering, nationwide, training courses related to pandemic response. The NDPC provides innovative, new products using emerging technologies for disaster preparedness, response, and recovery. Responding to both challenges, as well as, opportunities related to unmanned aircraft systems (UAS), the NDPC is working to develop new training and applications using drones for disaster management.

The NDPC provides a critical, rapid-response enterprise for the Department of Homeland Security (DHS) Federal Emergency Management Agency (FEMA) National Training and Education System (NTES). The consortium supports the National Preparedness System by engaging the whole community in its training and education programs. Our outreach extends to private and nonprofit sectors including non-governmental organizations and the public to build resilience from the "bottom-up" to augment the "top-down" approaches. We have a strategic goal to enhance partnerships with historically underserved tribal, native, and territorial populations. NDPC recently appointed a State Administrative Agency (SAA) Advisory Council member, Ms. Rose Whitehair, to represent these communities.

Our nation's communities are unique, face diverse risks, and possess uneven vulnerabilities and capacities. We focus on training and education to address all threats and hazards and work to build capacity across organizations and communities to strengthen our nation's resilience. ■

Karl Kim, Ph.D.

Chair, NDPC • Executive Director, NDPTC

TEEX EVACUATION EXERCISE CONDUCTED IN PREPARATION FOR NAVAJO NATION PRESIDENTIAL INAUGURATION



More than 5,000 people attended the Navajo Nation Presidential Inauguration ceremony in May, but few in the audience knew about the advance preparation and planning for potential emergencies that occurred beforehand. The Navajo Nation Department of Emergency Management, event staff and CERT members worked together to ensure the safety and security of the attendees and officials, including Navajo Nation President Russell Begaye and Vice President Jonathan Nez. "TEEX training provided to the Navajo Nation since 2013 helped them prepare for the event," said Hank Lawson, Director of TEEX's National Emergency Response and Rescue Training Center. Members of the Navajo Nation have attended Sports and Special Events Incident Management training which provided the basis for the mock evacuation exercise recently conducted in preparation for the inauguration at the Fighting Scouts Events Center in Fort Defiance, AZ. "The event staff held a mock inauguration, with Window Rock High School students dressed as the President and Vice President and as VIP attendees," said Rose Whitehair, Director of the Department of Emergency Management for the Navajo Nation. "We then evacuated the students from vast areas of the new event center, and then re-evacuated them from where the VIPs would be seated. It was amazing to see all these different programs come together to complete the same task," Whitehair explained.

Lawson said, "TEEX has trained more than 250 participants in several DHS/FEMA-funded courses hosted in Apache County, AZ, home of the Navajo Nation, in the past two years." Courses included MGT-318 Public Information in an All-Hazards Incident (PIO), MGT-345 Disaster Management for Electric Power Systems, PER-211 Medical Management for CBRNE Events, and PER-212 Operational Level Response to HazMat/WMD Incidents.

"In March 2014, the Department of Emergency Management also hosted the DHS/FEMA-funded Senior Officials Workshop (MGT-312) delivered by TEEX, which was so well-attended that the class overflowed with 61 attendees," Whitehair said. "We didn't turn anyone away," she added. "We asked all who wanted to learn to stay in the class, regardless whether they had a (course) notebook or not. It goes to prove how much training is needed in our Tribal communities."

"At the Inauguration, we had roughly 5,000 attendees, 700 VIPs and 200 event staff, including our Tribal CERT Teams. The Inauguration came together quite well. It helps to have everyone NIMS-trained because it brings everyone together on the same page. Everyone knows where they fit into the ICS system and who their lead is. The most amazing thing about this is that usually Event Staff have months or up to a year to plan for Inaugurations. We came together and made it happen in a couple of weeks." —Rose Whitehair ■

NDPTC – DRONES FOR DISASTER MANAGEMENT COURSE

Addressing training needs for emerging technology.



Training at the San Diego Gas and Electric Emergency Operations Center.

Unmanned aircraft systems (UAS), also referred to as drones, are an emerging technology on the verge of revolutionizing disaster management. These small, portable aircraft can quickly launch into dangerous situations and send data to responders on the ground, conduct disaster assessments, reconnaissance and mapping, and search and rescue operations. However, this innovative technology requires effective linkage with operational utility in order for emergency managers to optimize its use.

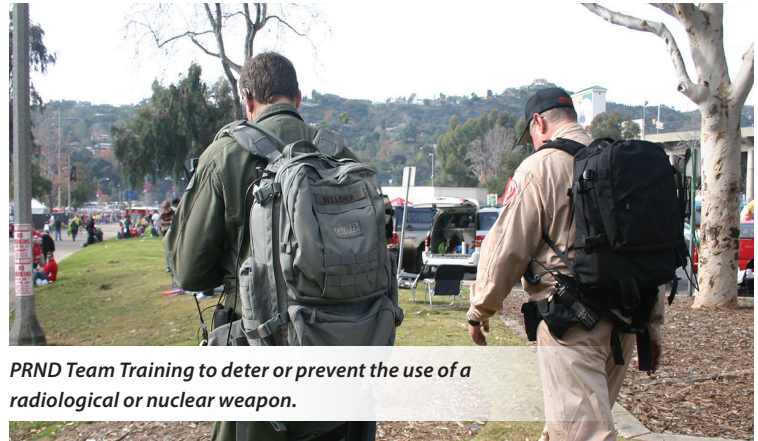
The National Disaster Preparedness Training Center (NDPTC) has a course on UAS in disaster management in development and recently held its second pilot course at the emergency operations center of San Diego Gas and Electric (SDGE). The UAS course guides government agencies and others in emergency management through the steps to building a successful UAS program, including identifying when UAS would enhance a disaster mission; knowing which types of UAS vehicles and sensors are best for various situations; understanding current FAA UAS regulations and related laws; understanding the importance of engaging the local community; ensuring that privacy issues, civil rights and civil liberties are thoroughly addressed; and learning how to apply for FAA authorization.

NDPTC plans to deliver two additional related UAS courses to further help government agencies appropriately develop an UAS program that enhances the mission of emergency management. Follow-on courses include a focus on integration of UAS into policies and procedures of disaster management agencies, creating frameworks for bringing UAS operations, mission planning, management, safety and information flow into existing policies and procedures in disaster management and proposals of new policies and procedures to fully integrate UAS; and equipping people involved in disaster management with the basic tools of UAS imagery analysis. Imagery from UAS is only useful in disaster management when individuals understand how to interpret the data and imagery and take actionable steps for decision-making.

The new NDPTC UAS for disaster management courses will prepare emergency responders to best utilize this exciting technology and can have a huge impact on national disaster management. The benefits of drones in a disaster are reach, speed, safety and cost. Potential uses of UAS in disaster management include: 1) Finding lost or trapped people using infrared sensors; 2) Post-disaster damage assessment imagery of infrastructure, transportation and buildings; 3) Delivering critical items such as medicine to stranded people; 4) Providing a temporary communications network when the primary system is damaged; 5) Ongoing infrastructure analysis as part of disaster mitigation; and 6) Providing early storm warning public audio announcements via an onboard speaker system. ■

NNSA-CTOS PREVENTIVE RADIOLOGICAL/ NUCLEAR DETECTION OPERATIONS COURSE

A course to protect & secure critical infrastructure at large venues and special events.



PRND Team Training to deter or prevent the use of a radiological or nuclear weapon.

Terrorist attempts to acquire, build, and employ weapons of mass destruction involving radiological/nuclear materials has been identified as one of the primary risks to the nation. Both psychological and physical effects of the use of such a weapon could have catastrophic results.

A key element within one of the primary core capabilities of the National Preparedness Goal is the ability to conduct Preventive Radiological/Nuclear Detection (PRND) operations in order to deter or prevent the use of a radiological or nuclear weapon. An Improvised Nuclear Device (IND) poses the greatest risk to the security of the nation and the world. In addition to primary and secondary screener courses, CTOS–Center for Radiological/Nuclear Training has developed the PRND Team Operations Course specifically designed to prepare National Incident Management Systems (NIMS) Type 1 Teams to conduct operations to protect and secure critical infrastructure, large venues, and special events.

Type 1 teams have the highest level of training, utilize the most advanced equipment, and provide a surge capability to their regions and the nation. NIMS PRND Type 1 Teams are scalable assets that are task organized based on the required mission. The teams have the capability to operate as standalone assets or can be integrated into large scale operations up to and including Special Event Assessment Rating (SEAR) 1 events.

PRND team's ability to detect radiological and nuclear material before or after it is integrated into a current or future weapon could have an immeasurable national impact. In addition to special events, PRND team operations are conducted at major ports of entry such as international air and sea ports. PRND Team Operations training was recently delivered to the Los Angeles Airport Police conducted at Los Angeles International Airport (LAX). The training proved invaluable to the officers in their ability to ensure the safety and security of the airport and travelers. "This class was extremely beneficial for our personnel and helped us understand how to coordinate our efforts to best protect the livelihood of the employees and travelers at LAX," reflected a course attendee.

According to the International Atomic Energy Agencies (IAEA) Incident and Trafficking Database (ITDB), between 1993 and 2013, there were nearly 2500 incidents involving radiological and nuclear materials worldwide. As much as 75% of the lost or stolen sources have not been recovered. With the knowledge and training to perform multiple tasks typically implemented during PRND missions, PRND Type 1 Teams are the tip of the spear, protecting the nation against terrorist use of Radiological and Nuclear weapons of mass destruction. ■

HOW DO CITIES PREPARE FOR A NATIONAL SPECIAL SECURITY EVENT (NSSE)?

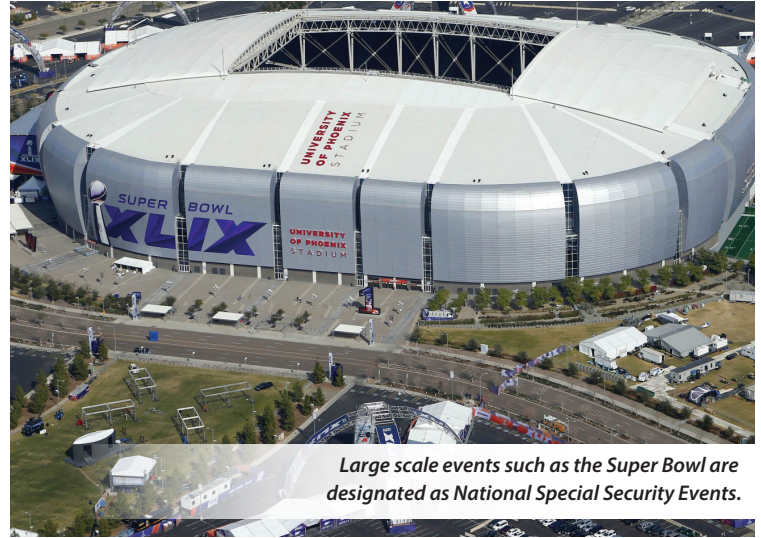
NDPC offers a diverse range of training classes for NSSEs.

The NDPC has been working with FEMA to provide a comprehensive list of training available for cities in preparation for National Special Security Events (NSSE), such as Pope Francis' attendance at the World Meeting of Families in Philadelphia September 26-27, 2015. These courses are vital for agencies preparing for an NSSE, since the U.S. Department of Homeland Security has designated these nationally and internationally significant events as potential targets for terrorism and other criminal activity.

NDPC members have trained thousands of participants in and around Philadelphia this year in preparation of the Pope's visit and have previously provided these types of training packages in preparation for Super Bowls and other large-scale events. One course in particular, Medical Preparedness in Response to Bombing Incidents, proved to be pivotal in the Boston Marathon Incident. The courses teach participants the skills necessary to prevent, deter, and respond to all types of terrorist threats.

"We are always pleased to be able to help cities like Philadelphia in preparing for such a large, important event. I am very proud of my team and the work we are doing to support the nation's first responders," says Rhonda Hopkins, Division Manager at the Center for Radiological/Nuclear Training.

As a DHS-certified training provider for over 15 years, the NDPC's training has proven to be among the most effective training available, and because it is DHS-sponsored, the NDPC can offer the training at no cost to agencies.



Large scale events such as the Super Bowl are designated as National Special Security Events.

"Agencies facing the monumental task of preparing for an NSSE can turn to the NDPC for help because we have the framework in place to handle these situations," said Jason Krause, Interim Director at the National Center for Biomedical Research and Training.

For more information about the NDPC's training, please contact info@ndpc.us ■

EMRTC WORKS ON THE PRINCIPLE THAT KNOWLEDGE IS POWER

Helping First Responders prevent and respond to terroristic events.

New Mexico Tech and the Energetic Materials Research and Testing Center's (EMRTC) First Responder Training Program has a national impact by rapidly responding to nationwide requests to train first responders to recognize, respond to, mitigate and prevent terrorist attacks. EMRTC provides first responders the ability to keep fellow first responders and their communities' safe through train-the-trainer, operational and awareness level courses. EMRTC has provided premier training to first responders for designated National Special Security Events (NSSEs) including Super Bowls, Boston Marathon, Democratic National Convention and the upcoming Pope Francis visit to Philadelphia. EMRTC believes in the saying "knowledge is power" and that every first responder should have the knowledge that empowers them to prevent terrorism from occurring, but when called upon, safely and appropriately respond to calls for service in their communities.

In the last 12 months, EMRTC has trained over 21,520 first responders representing agencies throughout the United States and its territories in courses such as Incident Response to Terrorist Bombings, Prevention of and Response to Suicide Bombing Incidents, Prevention of and Response to Suicide Bombing Incidents-Tactical, Understanding and Planning for School Bombing Incidents, Initial Law Enforcement Response to Suicide Bombings Attacks, Medical Preparedness and Response for Bombing Incidents, Homemade Explosives: Awareness, Recognition and Response; and Personal Protective Measures for Biological Events. These courses are offered as both resident courses at New Mexico Tech and mobile courses. EMRTC courses are available to all first responders.

Participant Instructors are required to attend and pass the train-the-trainer course before they can provide awareness level training to first responders in their agencies. EMRTC understands and believes in the strength of networking and sharing information concerning techniques, methodologies, policies and procedures in preventing and responding to terrorism. EMRTC emphasizes the need and importance of first responders that receive this training to provide the awareness level training to fellow first responder in



Train-the-trainer course prepares emergency responders to perform effectively and safely during bombing incidents.

their departments and communities. EMRTC provides first responders the ability to witness explosions in field lab settings with reality based experiences that drive home the point of how energetic materials react, feel, smell and look in their pre and post-blast state.

The concept of sharing knowledge in an effort to make first responders and communities safer is augmented through course modules which include but not limited to topics such as: Terrorism and Energetic Materials, Terrorist Use of Energetic Materials, Terrorist Methods, Preparing Emergency Response Agencies for Bombing Incidents, The Threat of Suicide Terrorism, Suicide Bombing Improvised Explosive Devices: Materials, Hazards, and Delivery Methods.

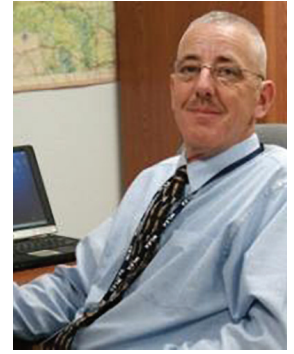
EMRTC has trained over 490,000 total first responders with approximately 67,000 first responders attending our train-the-trainer program. These individuals are from locations all over the nation and U.S. territories and can provide knowledge gained to their agencies and communities. To contact New Mexico Tech/EMRTC: www.emrtc.nmt.edu – Training Department. ■

Q & A WITH RUSSELL CLARK, NDPC SAA ADVISORY COUNCIL CO-CHAIR

Russell Clark is Co-Chair of the NDPC SAA Advisory Council and serves as the Coordinator for the Wyoming Homeland Security Training Program with additional duties as State Training Officer and State Administrative Agency training Point of Contact.

In his duties, Russell oversees the procurement, scheduling and delivery of first responder training programs to include all DHS and FEMA training courses throughout the State of Wyoming serving over 14,800 first responders from twelve separate disciplines.

Russell has been involved in many state training initiatives including State Interoperable Communications, the Governor's Task Force for School Safety and Security, Online First Responder Training, and the Development of Incident Management Teams. He has also served 27 years in the military at various levels of leadership including Platoon Sergeant and Detachment Sergeant.



Q: What is your goal as Co-Chair of the NDPC Advisory Council?

A: My goal is to provide the best service I can to both the NDPC and first responder/receiver students by assisting in identifying training gaps and un-met training needs, providing two-way communication between the states and the training providers, and promoting NDPC training in my state and region.

Q: How does your position as Wyoming SAA Training Point of Contact and/or previous positions you've held help you in your role as Co-Chair of the NDPC Advisory Council?

A: As the state training POC I have constant contact with the first responders in my state while coordinating both resident and outreach training for their jurisdictions. Because of these relationships, we have had many open discussions on first responder training needs and gaps. I also work with the other state training POCs in my region on a regular basis, sharing ideas and training opportunities.

Q: What do you think the NDPC is doing right when it comes to national preparedness training? How can the advisory council make the NDPC even better?

A: I think the NDPC does an excellent job identifying the training needs of first responders and developing training to meet those needs. One thing the NDPC does better than all commercial training vendors is providing training that is as real as it gets. You can show people PowerPoint all day long, but this has little impact compared to putting on PPE and training in a live chemical or radioactive environment or responding to an active shooter scenario with role players and air munitions in a college dormitory. You can watch all the training videos you want, but it will never have the same impact as feeling the blast wave from an improvised explosive device in the Incident Response to Terrorist Bombings class at EMRTC.

I think the advisory council can make a difference by communicating with first responders and agencies, making them aware of these valuable training opportunities. Even though we use mass mail-outs and extensive social media, I still hear first responders ask "what's the NDPC". ■

WHAT IS THE NDPC SAA ADVISORY COUNCIL?

The NDPC SAA Advisory Council is comprised of representatives from various State Administrative Agencies throughout the United States and its territories, serves as an advisory body to the NDPC to assist in identifying the training needs of federal, state, local, territorial and tribal emergency responders/first receivers and other providers. In addition, the Council may also assist in identifying agencies for pilots of either new training programs that are under development or existing training programs that are currently undergoing revisions. Furthermore, the Council will provide guidance and feedback to the NDPC to assist them in accomplishing the directives set forth by the Department of Homeland Security (DHS)/ Federal Emergency Management Agency (FEMA)/National Preparedness Directorate (NPD).

THE NDPC PARTICIPATES IN EMI'S NATIONAL TRAINING, EDUCATION, AND EXERCISE SYMPOSIUM



The seven-step jurisdiction training assessment process offers a bridge between national-level policies and local practitioners.

The NDPC participated in the Emergency Management Institute's (EMI's) National Training, Education, and Exercise Symposium on May 18-22 in Emmitsburg, MD. The symposium's mission was to provide the whole community partners with strategies, practices, and tools to identify and bridge capability gaps.

Consistent with the symposium's mission, NDPC provided a presentation about the Readiness Training Identification Preparedness Planning (RTIPP) course. The National Center for Biomedical Research and Training (NCBRT) at LSU and Texas A&M Engineering Extension Service's (TEEX) National Emergency Response and Rescue Training Center (NERRTC) are using the RTIPP course to identify training gaps in local, regional, tribal, and state jurisdictions by supporting collective understanding and assessing the needs of individual communities, thereby creating one whole community. The RTIPP course also identifies national demand for training needs based on an actual analysis of local, regional, tribal, and state gap identification, which provides NDPC data to build delivery schedules.

In addition, states or jurisdictions can use this data to contribute to or fulfill several critical requirements of the national preparedness system, such as the development of a Threat and Hazard Identification and Risk Assessment (THIRA); tying training goals to national doctrine to develop investment justifications for federal and state grants; the development of preparedness reports; and the development of a multi-year training and exercise plan (MYTEP).

The seven-step jurisdiction training assessment process utilized in the course offers a bridge between national-level policies and local practitioners. It helps real-world practitioners identify their local threats and risks, enumerate authentic training needs, and make plans to increase local preparedness and response capacities by meeting their training needs and closing gaps in preparedness. The RTIPP process encompasses the five mission areas of the National Preparedness Goal (prevent, protect, mitigate, respond, and recover) by tying the training needs to the 31 core capabilities.

NCBRT and TEEX-NERRTC have already delivered the course in the states of Florida, Colorado, Illinois, Indiana, Michigan, Oregon, Texas, Wyoming, and Utah, and potential deliveries are planned for San Diego, tribal communities in the California region, Philadelphia, and the state of Washington. Those interested in scheduling the RTIPP course in their jurisdiction should email NCBRT at info@ncbrt.lsu.edu or contact Jesse Watkins with TEEX-NERRTC at 979-458-6063 or jesse.watkins@teex.tamu.edu. A video of the full RTIPP presentation will soon be available on the NDPC website, www.ndpc.us ■

EMERGENCY MANAGEMENT INSTITUTE (EMI) EXECUTIVE ACADEMY PROGRAM

Integrating science into Emergency Management policies & decisions.



Tony Russell, Superintendent of the Emergency Management Institute, emphasizes the Whole Community approach.

Since 2013, the National Disaster Preparedness Training Center (NDPTC) has been conducting Executive Training as part of FEMA's Emergency Management Institute's (EMI's) National Emergency Management Executive Academy program. The course titled "E684: Integrating Science into Emergency Management Policies and Decisions," is a four-day course focusing on risk assessment and risk management across different hazards: from geological to severe weather, to technological disasters to terrorism. The course also emphasizes resilience through an appreciation of whole community, structural design and adaptation. Topics include sociological studies, organizational behavior theory and practice, and the use of models and studies in the analysis of complex and cascading disaster environments.

The audience of this program includes current and future emergency management executives in state, local, tribal, territorial and Federal government agencies, non-governmental organizations (NGOs) and the private sector. Cohorts undergo a rigorous selection process by EMI, to ensure participants exude the qualities emphasizing the "Whole Community Approach" to emergency management.

"This program is important because it not only focuses on emergency management, but focuses on leadership in emergency management. A key message that has come out from this course has been that there has to be an engagement between our scientists, our academia, and our emergency management professionals. I see the discussion bringing out "aha" moments and this will take a global effort because emergencies today are global and there are no borders. There needs to be more research, more discussions, and more conversations about women and children in the aftermath of a disaster. The course takes us to a whole another level where we are thinking critically, and where we are engaging each other, not as separates, but as teams. It has been an eye opener." – Dr. Jacqueline McBride, Founder and President of International Network of Women in Emergency Management.

The course is designed to be participatory, rather than didactic, and enables participants to: 1) Apply risk assessment and mitigation techniques in making sound executive-level decisions and policies using the physical and social sciences, technological and engineering knowledge and resources; 2) Analyze courses of action and synthesize appropriate approaches or solutions by engaging the instructors, employing lessons learned from history, and using forecast and predictive models; and 3) Evaluate the influence of science on public policy and regulations. ■

ABOUT THE NDPC

The National Domestic Preparedness Consortium (NDPC) is a partnership of public and private organizations committed to serving emergency responders by providing quality, cost-effective counterterrorism training. The NDPC is sponsored through the Department of Homeland Security (DHS), Federal Emergency Management Agency's National Preparedness Directorate. It is the principal vehicle through which DHS develops and delivers training to state and local emergency responders.

The consortium is comprised of several preparedness training centers: the Energetic Materials Research and Testing Center at New Mexico Institute of Mining and Technology, the National Center for Biomedical Research and Training at Louisiana State University, the National Emergency Response and Rescue Training Center of Texas A&M University System's Texas Engineering Extension Service, the National Exercise, Test, and Training Center at the Nevada Test Site, the Center for Domestic Preparedness, the Transportation Technology Center, Inc. in Colorado and the National Disaster Preparedness Training

Center at the University of Hawai'i. Each of these organizations has distinguished themselves nationally as experts across the gamut of chemical, biological, radiological and nuclear explosive agents, as well as in all four homeland security mission areas of prevention, protection, response and recovery. The NDPC provides advanced-level training to those involved in WMD and all-hazards catastrophic events.

Since its establishment in 1998, the NDPC's impact on national preparedness has been substantial. The NDPC has conducted training in all 50 states and each U.S. territory. This training has benefited more than a million people since 1998. Today, the consortium's various programs meet the training and education needs of more than 60,000 emergency responders each year. The consortium combines the missions of all its members with a commitment to provide a focused, threat-responsive, long-term national capability and capacity to execute and sustain comprehensive education, training, testing and exercise programs.



The NDPC is comprised of seven members possessing core competencies that span the entire homeland security enterprise domain.

- **CDP • CENTER FOR DOMESTIC PREPAREDNESS**

Expertise: Prevention, deterrence and response to CBRNE hazards and healthcare/public health mass casualty

- **LSU-NCBRT • NATIONAL CENTER FOR BIOMEDICAL RESEARCH AND TRAINING AT LOUISIANA STATE UNIVERSITY**

Expertise: Biological, law enforcement, and agroterrorism response

- **NNSA-CTOS • NATIONAL NUCLEAR SECURITY ADMINISTRATION/CTOS-CENTER FOR RADIOLOGICAL/NUCLEAR TRAINING AT THE NEVADA NATIONAL SECURITY SITE**

Expertise: Prevention, deterrence and response to radiological/nuclear attacks

- **NMT-EMRTC • THE ENERGETIC MATERIALS RESEARCH AND TESTING CENTER AT NEW MEXICO TECH**

Expertise: Explosive and incendiary attacks

- **TEEX-NERRTC • TEXAS A&M ENGINEERING EXTENSION SERVICE, NATIONAL EMERGENCY RESPONSE AND RESCUE TRAINING CENTER**

Expertise: Cybersecurity, crisis communications, executive and elected officials education, hazardous materials awareness and operations, health and medical services, incident management, infrastructure protection, search and rescue, threat and risk assessment, and training gap analyses

- **UH-NDPTC • NATIONAL DISASTER PREPAREDNESS TRAINING CENTER AT UNIVERSITY OF HAWAII**

Expertise: Natural disasters, coastal communities, islands & territories & underserved at-risk populations