

**2010 Homeland Security S&T Summit  
South Central Region  
LIVE INTERACTIVE WEBCAST  
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**"S&T in the South Central Region: DHS DNDO  
Perspective"**

**David Ostwind**

**Domestic Nuclear Detection Office (DNDO)**

**Acting Deputy Asst. Director for the Interior  
(by phone link)**

**MARY HANSON**

Now we're going to move to our next presenter. Mitch, if you'll come up to work the slides. David Ostwind is -- I know personally because we spoke over the weekend quite a bit between power outages. He's joining us by phone. David is the acting deputy assistant director for the interior within the mission management directorate. MMD of the -- he is going to give essentially an overview. He is focused also on federal, state and local stakeholders. His main focus is to prevent radiological incidents. By the way, David is a graduate of the academy and-and-a-half reservists. David, we're going to have to have you tell us when to advance your slides. Are you there? Welcome.

David Ostwind

We welcome David remotely. David?

I can hear you now. If you can hear me?

We can hear you. Your colleague is here at the podium. Thank you very much.

**DAVID OSTWIND**

Good morning everybody there and listening in on the webcast. On behalf of the directorate of D [ Indiscernible ] Thank you very much for the opportunity to speak to you today. [ Indiscernible ] [ Audio breaking in and out. ]

Also to encourage you to pursue the preventative -- very sorry that I'm unable to attend to's conference in person. For two years I worked at the preparedness officer in the office of domestic preparedness in New Mexico and was very much looking forward to being with friends today. [ Indiscernible: Speaker/Audio faint and unclear ] I'm very sorry that I cannot be there with you all in person. I look forward to meeting with you all at another time. As I go through the slides today, if you have any questions, I'd be happy to answer them at the end of the presentation. In attendance today is Charlie Cox so he'll be able to answer some questions in person during break out times. On the first slide of my presentation, you'll see my email address. It's David.office. [ Indiscernible ] DHS.gov. If you have

any questions that you would like answered not in this forum, please email them to me. I would be happy to pass them to the appropriate individuals. Because of the short time to present and the [ Indiscernible: Speaker/Audio faint and unclear] not able to go into a lot of depth to all the programs. But to give you a high level overview of the organization and also talk about some of the new initiatives that we've started in the past year or so. I'd like to ask that we move to the first slide. [ Indiscernible: Speaker/Audio faint and unclear] detect and report on authorized attempts to import, possess, store, develop, transport nuclear radio logic material. [ Indiscernible ] Basically, as you see in the slide. [ Indiscernible ] Set up to do is stop the import of the radio logic nuclear material coming from overseas or if it was gathered in country, to detect it before it gets within the continental itself and once it's in the United States -- prevent it to get to a target. This is done by developing the global nuclear [ Indiscernible ] Developing or [ Indiscernible: Speaker/Audio faint and unclear] establish operational protocols. Conducting transformational research development program and providing centralized planning integration and advancement. [ Indiscernible ] As many of you know DNDO is an interagency office comprised of. [ Indiscernible ] Several federal agencies we also had detail leads from other DHS components such as the coast guard customs to border protection. The national labs rack dame yeah and product industry conduct research that directly supports the NDO mission and works very closely with state and local entities to help develop and deploy the domestic. [ Indiscernible ] Architecture. In fact, because of a vast number of law enforcement personnel in the country and also the large number of other public safety personnel that are assets to assist and detect. [ Indiscernible ] DNDO hopes to immobilize the assets to work with you to develop capabilities to detect and deter the transport use of. [ Indiscernible ] On this slide you'll see an overview of the ND -- planning requirements

focus. -- there are three [ Indiscernible ] That are involved in preventative rad nuke detection research development testing focus. Those [ Indiscernible ] Systems engineering and evaluation directory, product acquisition and deployment director rat and transformational applied research -- looking at emerging technologies sometimes as far as five years out in the future that can then be brought into developmental stages, test it, and then provide it to practitioners in the field. There are two director rats that are operationally focused, one is the operational support directory rat that provides hands on capability development for federal, state and local entities and then the national technical nuclear forensics center, which provides national level integration centralized planning, exercising, assessment, and toward ship foreign during nuclear forensics facility. Next slide please.

I've mentioned the global -- it is comprised of several key elements. It's a multilayered structure [ Audio breaking in and out. ]

Design evolution overtime. For most improvements in the architecture must be bound [ Indiscernible: Speaker/Audio faint and unclear] with substantial risk reduction [ Indiscernible: Speaker/Audio faint and unclear] quite often when we meet with state and local entities, we hear feedback saying what is our role? What

can we do? How can we assist? Well, we tried to show and based on the feedback we received from many of the state and local [ Indiscernible: Speaker/Audio faint and unclear] [ Audio breaking in and out. ] By the local law enforcement, by the state assets and assisting the global architecture. Next slide please.

That is evident in the missionaries that the. [ Indiscernible ] Focused on. Focuses on increasing detection capabilities and. [ Indiscernible ] As part of a comprehensive strategy, protect the nation against radiological and nuclear threats. [ Indiscernible: Speaker/Audio faint and unclear]

at the federal, state and local tribal level. These are couple of programs, a few of the programs that DNDO has pursued that are available to. [ Indiscernible ] Agencies that are looking to take on the mission. The first thing I wanted to raise is the preventative detection targeting capabilities. As many of you are familiar, the targeted capability list which includes 37 target capabilities help to identify areas in which you would apply grant funds. [ Indiscernible: Speaker/Audio faint and unclear]

was not definitive enough to assist in developing the detection of rad nuke material. So we were given the opportunity to pursue a. [ Indiscernible ] Targeted capability and working with the state and local stakeholders working group are very close to developing a. [ Indiscernible ] [ Audio very difficult to hear clearly because of breaking in and out. ]

Help identify the level of detection needed by individuals detection.

[ Indiscernible: Speaker/Audio faint and unclear]

The handbook covered a full gamut of planning, organization, equipment, training and exercises. [ Indiscernible: Speaker/Audio faint and unclear] very lengthy document and detailed process. But by following this handbook, a jurisdiction or state has the ability to prevent a. [ Indiscernible ] Detection program. We conducted [ Indiscernible: Speaker/Audio faint and unclear] conducted two more. We've done two more [ Indiscernible: Speaker/Audio faint and unclear] the state of Florida has developed a program using the facility delivering. [ Indiscernible ] State of California is underway. District of Columbia and the state of Texas have all taken on the prevent [ Indiscernible: Speaker/Audio faint and unclear] [ Audio breaking up so badly. ]

Hand held, radio [ Indiscernible: Speaker/Audio faint and unclear] many of the systems that are currently employing, [ Indiscernible: Speaker/Audio faint and unclear] PR and D equipment. We incur raj you to look -- encourage you to look at those supports.

Be able to assist you in determining what is the right equipment based on your [ Indiscernible: Speaker/Audio faint and unclear] next slide please.

Conducted is to establish systems performance requirements and specifications. Do operational modeling and simulation studies. And studies.

Based [ Indiscernible: Speaker/Audio faint and unclear]

[ Audio tech technical  
difficulties . ]