

8/7/2006

WORK PLAN FOR THE DOE TEC SECURITY TOPIC GROUP (STG)

Status: Active

DOE Leads: Office of Civilian Radioactive Waste Management (OCRWM),
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Start Date: September 21, 2004

Purpose: The purpose of the Security Topic Group (STG) is to assist the Office of Civilian Radioactive Waste Management (OCRWM) in developing an approach for effective safeguards and security of nuclear waste shipments to Yucca Mountain, Nevada. This approach will incorporate best practices and lessons learned from previous domestic and international nuclear waste shipments, with special emphasis on substantive contributions from the State, Tribal, and local governments that will be involved in these shipments.

Approach: The STG will initiate and convene conference calls monthly, unless STG representatives elect to hold calls less often after an initial period. Sub-groups working on specific reports or analyses may meet more or less frequently as their efforts require. Conference calls using open (unsecured) lines will be the preferred means of communication, reporting back to the full STG on the monthly calls and at meetings. The STG members will have an active role in developing the agenda for upcoming TEC meetings and conference calls. STG discussions will not involve classified, sensitive, or safeguards information. As OCRWM develops its security programs, plans and procedures, it will coordinate with State/Tribal officials on security matters, but such coordination will take place outside the auspices of the TEC Working Group.

During STG discussions, it will be necessary for all participants to share a common understanding of the operational framework of the Transportation System and to apply appropriate terminology especially related to security topics. To promote clarity, terminology related to issues of interest must be carefully described, using standard nomenclature related to analytical and practical aspects of information security, personnel security, physical security, and secure communications systems. Some examples of such security-related terms include, but are not limited to, the following: vulnerability assessments (VA); consequence analysis; Design Basis Threat (DBT); performance tests; security escorts (or protective force); access controls; etc.

Soon after the formal approval and issuance of the Joint *DOE/NRC/DOT/DHS Classification and Sensitive Unclassified Information Guide for the Transportation of Radioactive Waste to Yucca Mountain*, CG-RWT-1, OCRWM will develop an information-sharing protocol to aid STG members in understanding what information will be available to which State, local, and Tribal organizations and under what circumstances. In developing the protocol, DOE will refer to and consult with select members of the DHS Joint Task Force on information sharing.

During 2005, the STG began to focus on issues related to information security and operational security.

Information Security: The STG is examining how to ensure protection of sensitive and classified information in order to establish protocols for State/Tribal/local officials, as well as DOE and carriers, to obtain access to necessary information for use during normal and emergency operations.

Specific information security tasks identified by the STG include:

1. Assemble lessons learned from recent DOE shipments pertaining to protocols and procedures adopted on information sharing and graded protection approaches. Lessons learned from industry (especially carriers of other hazardous materials) that may have implications for OCRWM shipments will be included.
2. Develop (as discussed above) an information-sharing protocol based on the *Classification Guide on the Transportation of Nuclear Waste*, which will describe how State, local, and Tribal officials, DOE and carriers will share information about shipments. The Office of Security will discuss this activity with the DOE Classification Guide committee lead.
3. State, Tribal, and local representatives and carriers will provide experiences on training in handling of sensitive and classified information, especially command and control between organizations.

Security Practices: the STG is examining operational practices that will enhance transportation security, such as: scheduling of shipments; carrier requirements; TRANSCOM and other tracking and communications systems, etc.

Specific security-related practices tasks include:

1. Document State, Tribal, and local capabilities, human resources, laws, and roles and responsibilities pertaining to shipment security.
2. Evaluate Rail Topic Group recommendations related to Federal or State inspections and security of rail shipments, and identifying appropriate inspector and security escort roles and authorities. (This task was identified by the Rail Topic Group; however, it will be addressed by the STG.).
3. Review and comment on the security “protocol” in the DOE Transportation Practices Manual.
4. Develop a matrix that identifies State, Tribal, and local government authorities, carrier roles and human resources available for security operations coordination, jurisdictional interfaces, and associated roles.
5. Develop a protocol for communicating with the carrier/crews during transportation.

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Other Topics of Interest to the STG: Several additional topics have been identified by the STG for discussion and follow-up activities DOE.

1. Update on the progress of the Interagency Committee on the Classification Guide for the Secure Transportation of Nuclear Waste being developed by the DOE Office of Security.
2. Based on input from the State Regional Groups (SRG), establish process for ensuring up-to-date information on appropriate State, Tribal, and local points-of-contact for security operations.
3. Track (from publicly available sources) development of system design and equipment technologies to enhance transport security of nuclear waste shipments.

Members: STG Membership roster is attached.

Planned Product and Schedule for Completions: Status as of 08/07/06:

#	Topic Group Product	Due Date	Comments/ Status
1	Hold topic group conference calls; develop and issues draft and final notes and action items.	Monthly	Calls occurring on schedule, notes are being distributed within 2 weeks. Action Ongoing—Not Completed.
2	Maintain listing of topic group participants with clearances and need-to-know.	Ongoing	Because the TEC does not have closed sessions and the topic group will not be discussing sensitive matters, this listing is not needed. Action Closed—Not Completed.
3	Report on lessons learned from DOE shipments on information security.	04/30/06	Draft developed in 03/06 and circulated for comment; document was finalized 08/06 and posted on the website. Action Closed—Completed.
4	Report on State/Tribal/Local experiences on security training	09/12/06	This information is being collected by State regional groups canvassing their membership. OCRWM will obtain comparable information from Tribes. Action Open—Not Completed.
5	Report on State/Tribal/Local authorities/jurisdictional interfaces	09/12/06	
6	Report on security practices in rail, truck and barge industry	04/30/06	This was combined into the lesson-learned report described in Item 3. Action Closed—Completed.
7	Document State/Tribal/Local capabilities, resources, regulations on shipment security	09/12/06	Some of this information is being collected in the regional groups' survey described in Items 4-5; other information is readily available from other sources such as the NRC listing of Governors' designees for advance notification, and the State directory issued by the Conference of Radiation Control Program Directors. Action Closed—Completed.
8	Evaluate topic group recommendations on issues of inspections and escorts (task migrated from Rail Topic Group).	10/18/05	This issue touches on sensitive security planning and operational matters that, upon careful consideration, have been determined by DOE to be beyond the purview of the topic group. Discussions on this topic, if needed, will be held directly between DOE and appropriate State and Tribal officials. Action Closed—Not Completed.
9	Provide comments on security portion of DOE M 460.2-1, the "Practices Manual."	01/20/06	Topic group redrafted the security practice and circulated for comment; "final" draft sent to Practices Writing Group for inclusion. Action Closed—Completed.

#	Topic Group Product	Due Date	Comments/ Status
10	Provide update on DOE Office of Security's classification guide, and develop information-sharing protocol based on the guide for topic group use.	1/20/06	Action has been delayed due to longer-than-expected discussions and concurrence among federal agencies. DOE expects to put final version into formal concurrence soon (08/06); protocol will be developed and issued within 60 days of the guide's completion. Action Open—Not Completed.
11	Update procedures for reporting nuclear material information on shipments to local, State, and Federal authorities.	1/20/06	SRGs are collecting data from member States and will provide to DOE when their survey (Items 4,5 and 7) is completed. Action Open—Not Completed
12	Assemble compendium of security-related lessons learned from DOE shipments.	Early '06	Combined with lessons-learned report discussed in Item 3, above. Action Closed—Completed.
13	Identify information security jurisdictional interfaces, roles, and protocols for handling sensitive information.	4/06	Some information will be identified in the regional group survey; others will be addressed in the information-sharing protocol, or will be discussed with appropriate officials outside the topic group. Action Closed—Not Completed.
14	Assemble database of State/Tribal/Local security points-of-contact	Early '06	This information is, or will be, readily available from other sources—see Items 4, 5 and 7 above. Action Closed—Completed.
15	Update on new developments in tracking and protection technologies.	TBD	Need to discuss topic group interest and determine path forward. Action Open—Not Completed.
16	Develop an annotated bibliography of publicly-available documents related to security of radioactive material transportation.	09/31/06	Tentative agreement has been reached on scope of this item and how T-REX (UNM) could perform the work. Action Open—Not Completed.

Last Updated By: Alex Thrower, OCRWM, September 7, 2006.