



Transportation Security Administration

Enhancing Railroad Security

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Freight Rail Security Group



- Mission
 - Protect the Nation's freight rail network from terrorists or criminal attacks
 - Prevent terrorists from using the rail network to attack the public or the Nation's critical infrastructure
 - Maintain the economic viability of the rail network
- Strategic Goals
 - Raise the security baseline across industry
 - Minimize exposure in high risk areas
 - Improve ability to respond to threats and events



Priorities

- *Hazardous Material Shipments*
 - *Toxic Inhalation Hazards (TIH)*
- Critical Infrastructure - Bridges
- Food and Agricultural Shipments
- Radiological and Nuclear Shipments
- Military Shipments

TIH Action Plan



- 1. Publish Final Security Action Items**
- 2. Define High Risk Urban Areas**
- 3. Issue DOT/DHS Regulations**
- 4. Develop detailed performance standards to expedite the movement of TIH trains and minimize duration of TIH shipments in the transportation cycle**
- 5. Implement Secure Storage Area Concept**
- 6. Leverage Existing Tracking Capability**
- 7. Enhance Security Training Programs**
- 8. Continue to work with industry on future course**


Security Action Items





- **Security Action Items are derived from the findings of the TSA led Rail Corridor Assessments and FRA security plan compliance inspections**
- **They address 3 operational areas:**
 - **System Security**
 - **Access Control**
 - **En-route Security**
- **Adoption of these Action items is voluntary**
- **On March 30, DHS and DOT shared these items with industry for valued input**
- **Final version of items will be published in May 2006**

Measure Adoption



 **Practice in Place**
(fully implemented
across system)

 **Working on
Implementation**
(partial implementation
across system)

 **Not Implemented**
(not practiced or
practiced in <10% of
locations)

Railroad		BNSF	CN	CP	CSXT	KCS	NS	UP
Classification		Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Data Source (See legend at bottom of matrix)								
Date of last Update								
Voluntary Action Items								
System Security Practices Affecting the Transportation of TIH Materials								
1	Designate Individual with overall responsibility for Hazmat Transportation Security.	●	●	●	●	●	●	●
2	Conduct annual security exercises.	●	●	●	●	●	●	●
3	Conduct audit program to verify implementation	●	●	●	●	●	●	●
4	Review and evaluate identified critical assets/infrastructure annually.	●	●	●	●	●	●	●
5	Constant awareness of threat conditions/intelligence.	●	●	●	●	●	●	●
6	Liaison and regular communication with Federal, State, and Local law enforcement/emergency responders.	●	●	●	●	●	●	●
7	Liaison and collaborate with other Railroad security forces.	●	●	●	●	●	●	●
8	Publicize and advertise security awareness to operational security to all employees.	●	●	●	●	●	●	●
9	Provide continued training to employees on how to need to immediately report suspicious persons, activities, and objects.	●	●	●	●	●	●	●
10	Identify options to supplement company security forces under special circumstances.	●	●	●	●	●	●	●
11	Restrict access to information regarding Hazmat shipments to those with need to know.	●	●	●	●	●	●	●
12	Work with local communities to plan for emergency or security event.	●	●	●	●	●	●	●

Results will be used to:

- Measure security baseline performance
- Determine if regulatory approach is needed

High Risk Urban Areas



- **50 HRUAs have been identified**
- **5 HRUA corridor assessments have been completed with 2 in process and 3 scheduled for 2006**
- **Corridors to be mapped with assistance from Oak Ridge Laboratory**
- **Corridor population densities, and rails adjacent to schools, hospitals, sport arenas, rail yards, etc.**
- **Standard Operating Procedures and Security Directives to be prepared for these areas for heightened security levels**
- **Rail Corridor Risk Management and Hazmat Response & Recovery Tools being developed to standardized processes**
 - **DHS grant funding awarded to Railroad Research Foundation (RRF)**

Regulatory Initiatives



- **DOT and DHS are proposing regulations that clarify and enhance existing rules**
 - **Balance three sides of the transportation cycle equation (safety, security, and economics)**
 - **Improve uniformity of analysis**
 - **Provide increased Federal input and oversight**
 - **Improve awareness & control of shipments**
 - **Enhance security during temporary storage**
 - **Security inspection for signs of tampering or IEDs**
- **DHS is considering the proposal of additional rules concerning security requirements relating to the TIH supply chain**

Expedite Movement – Minimize Duration



- **DHS and DOT will need additional input for recommendations on performance standard development for:**
 - **Expediting the movement of trains transporting rail cars containing TIH materials in HRUAs**
 - **Minimizing the duration that TIH materials are in the transportation cycle (Minimize time in transit between origin and destination)**

Secure Storage Areas



- **The Secure Storage Area concept is used by industry in heightened alert:**
 - **A secure location for the storage of loaded TIH tank cars – known as a “Safe Haven” in industry**
- **We need standards for a Secure Storage Area**
 - **Determine what constitutes a Secure Storage Area & when a Secure Storage Area must be used**
 - **DHS grant funding issued for a Secure Storage Area pilot to prototype a standard**

Tank Car Tracking



- **TSA is conducting tracking pilot in partnership with a shipper**
- **FRA, with support from TSA, is piloting Freight Scope tracking software**
- **Seeking one performance based standard for rapid reporting of tank car locations**

Enhanced Security Training



- **Leverage existing industry training**
- **Utilize DHS security expertise**
 - **Explosive Detection**
 - **Suspicious Behaviors**
- **IED recognition training**
 - **For car inspectors and operating employees**

Building the Partnership



- **Rail Safety Advisory Council (RSAC)**
- **Freight Rail Coordinating Councils**
 - **Government Coordinating Council**
 - **Sector Coordinating Council**

Points of Contact



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