The Exercise Information System (EXIS) Baseline Brief

Transportation
Security
Administration

Overview

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► Exercises and Transportation Security

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The Current Transportation Security Landscape

► The Nation's transportation network is an expansive, open, and accessible set of interconnected systems that provide services essential to our way of life

► The vast majority of the transportation infrastructure in the United States is owned by the private sector

► Government (Federal, State, regional, local, and tribal) and private industry are jointly responsible for ensuring the security of the transportation network

Today's complex transportation network includes approximately 4 million miles of roadways, more than 140,000 miles of active rail, 600,000 bridges and tunnels, more than 360 maritime ports, hundreds of thousands of pipeline, nearly 30 million trips using mass transit and passenger rail, and more than 450 U.S. commercial airports.

—Adapted from the 2010 Transportation Systems Sector-Specific Plan (TS-SSP)

Mass Transit & Passenger Rail

▶ Transit buses and facilities
▶ Trolleybuses
▶ Monorails
▶ Heavy (subway) and light rail
▶ Passenger rail (commuter and long-distance)
▶ Automated guide-way transit, inclined planes, and cable cars

Maritime

▶ Watercraft and vessels
▶ 95,000 miles of coastline
▶ 361 ports
▶ 10,000 miles of navigable waterways
▶ 3.4 million sq.mi. of the Exclusive Economic Zone and intermodal landside connections

Aviation

▶ Aircraft
▶ Air traffic control systems
▶ 450 U.S. commercial airports
▶ 19,000 public airfields
▶ Civil and joint-use military airports, heliports, short takeoff and landing ports, and seaplane bases

The Transportation Network

Pipelines

▶ 161,000 miles of hazardous liquid pipelines
▶ 1.9 million miles of natural gas distribution pipelines
▶ Over 3,000 operators

Freight Rail

▶ Seven major carriers
▶ Hundreds of smaller railroads
▶ 140,000 miles of railroad
▶ 1.3 million freight cars
▶ 20,000 locomotives
▶ 12,000 trains operated daily
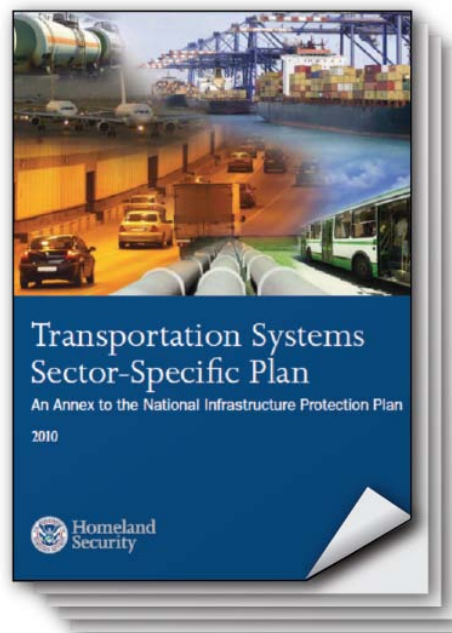▶ 30,000 miles of track and structure critical to U.S. forces

Highway & Motor Carriers

▶ Vehicles including automobiles, school buses, motorcycles, trucks, trailers, and recreational vehicles
▶ 4 million miles of roadways
▶ 600,000 bridges and tunnels

Exercises and Transportation Security

► Threats to homeland security can take on many forms – from criminal activity to deliberate acts of terrorism

► TSA's Intermodal Security Training and Exercise Program (I-STEP) brings public and private sector partners together to exercise, train, share information, and address transportation security issues

► Preparedness and Response Exercises support 3 out of 4 transportation security goals outlined in the 2010 TS-SSP

Transportation Systems
Sector-Specific Plan
An Annex to the National Infrastructure Protection Plan
2010

Homeland Security

What is EXIS?

► Is an online exercise tool that guides government and industry users through the exercise planning process

► Provides resources to design, document, and evaluate exercises for all transportation sectors

► Serves as a way for TSA leadership and exercise designers to share critical lessons learned

► Is provided at no cost by TSA as an integral part of I-STEP

EXIS Mission: To improve the security posture of all transportation modes by empowering stakeholders with the tools to design, document, analyze, and share exercise information while also enhancing TSA's visibility into transportation security and preparedness.

EXIS In Action

EXIS takes a step-by-step approach as it guides users through exercise planning

Create an EXIS Community → Design the Exercise → Manage Exercise Participants → Create Materials and Reports

EXIS In Action

► EXIS communities facilitate information sharing among specific groups of users

► Users can create private communities and sub-communities to delegate tasks
or share lessons learned

EXIS In Action

Design the Exercise

► Identify the exercise planning
schedule and sector focus

► Select specific objectives and
scenario elements

► Plan evaluation criteria, share
best practices and
lessons-learned

► Create post-exercise reports

EXIS In Action

Manage Exercise Participants

▶ Create and manage participant data

▶ Grant access to exercise participants or planners

▶ Manage the roles of participants

▶ Track exercise participants, agency, or organization type

EXIS In Action

Create Materials and Reports

▶ Create reports based on previously entered information

– Situation Manuals

– Evaluation Plans

– Exercise Evaluation Guides

– Participant Feedback Forms

– After Action Reports

EXIS and the Future of Homeland Security

► As EXIS matures, TSA aims to:

– Further refine the design, documentation, and evaluation tools EXIS offers

– Build out the exercise design lessons learned and best practices

– Develop platform upgrades that will enable EXIS users to link their organizational goals and strategies to the exercise design component

– Explore opportunities to link EXIS with other data-sharing or risk-analysis systems

EXIS Vision: To become the primary web-based platform for TSA headquarters, field elements, and industry stakeholders across all sectors for conducting transportation security exercises and sharing post-exercise analysis

How to Join EXIS

► EXIS is available to all state and government exercise planners and program managers with a need to know and interest in surface transportation security

► EXIS will soon be available for use by industry stakeholders

► Using Internet Explorer, go to http://exis.tsa.dhs.gov

► Click on the "Register" tab on the top right corner

► Complete the registration form and submit your application to TSA

Contact Us

▶ The I-STEP Program Office is committed to providing a secure platform and resources for exercise planners and participants to design, document, and evaluate exercises for all transportation modes.

▶ For more information:

  – http://exis.tsa.dhs.gov

  – exis@dhs.gov

  – 571-227-5150

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