



Exercise
Information
System



The Exercise Information System (EXIS) Baseline Brief



Transportation
Security
Administration

Overview

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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)

The Transportation Network



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



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



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



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



Pipelines

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



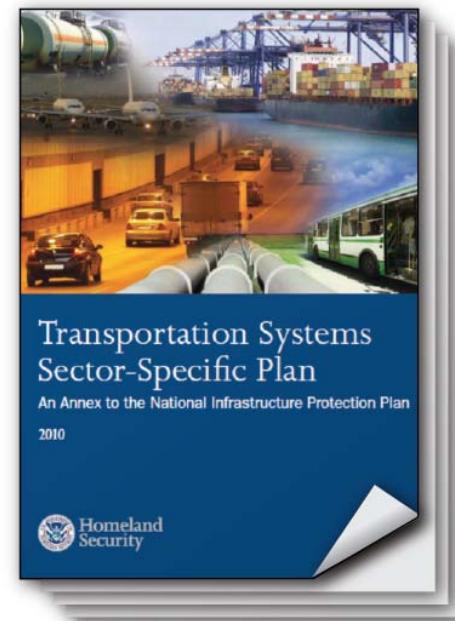
Highway & Motor Carriers

- ▶ 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



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





EXIS In Action

Create
an EXIS
Community

- ▶ 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

The screenshot shows the EXIS website interface. At the top, there is a navigation bar with links for Home, About EXIS, FAQ, Contact Us, My Account, Help, Site Map, and Logoff. Below the navigation bar is a search bar with a dropdown for 'All Sites' and a 'Advanced Search' button. The main content area shows a 'Create a Community' form. The form fields are: 'Community Name *' (input field), 'Description *' (text area), 'Community Type' (dropdown), 'Port Type' (dropdown), and 'Region' (dropdown). A note at the bottom of the form says '* indicates a required field'. A 'SUBMIT' button is located at the bottom right of the form. On the left side of the page, there is a sidebar with a 'Welcome' message for 'Keturah Lee' and a navigation menu with categories: DIRECTORIES (Communities, Exercises), LIBRARIES (Scenario Library, MSEL Library, Corrective Actions, Lessons Learned, Best Practices, EXIS Definitions). At the top of the page, there is a banner with icons for Port & Intermodal, General Aviation, Mass Transit, Freight Rail, Highway & Motor Carrier, and Pipeline.



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 | Exercise Information System

Transportation Security Administration

Port & Intermodal General Aviation Mass Transit Freight Rail Highway & Motor Carrier Pipeline

Home About EXIS FAQ Contact Us My Account Help Site Map Logoff

DHS ST

Home

OBJECTIVES

Title

Process Data Info Intelligence
Seize Materials
Provide Redundancy

Add new item

MASTER SCENARIO EVENT LIST

Day # Elapsed Time From Start Title

There are no items to show in this view of the "Master Scenario Event List" list. To create a new item, click "Add new item" below.

Add new item

Exercise Information

Date 1/25/2012
Location Vermont
Type

Important Dates:

Initial Planning Conference
Mid-Term Planning Conference
Final Planning Conference

MEMBERS



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

The screenshot shows the EXIS (Exercise Information System) interface. At the top, there is a navigation bar with links for Home, About EXIS, FAQ, Contact Us, My Account, Help, Site Map, and Logoff. Below the navigation bar, there is a banner featuring icons for various transportation modes: Port & Intermodal, General Aviation, Mass Transit, Freight Rail, Highway & Motor Carrier, and Pipeline. The main content area is titled 'DHS ST' and contains a sub-section titled 'Add New User'. A message states: 'Use this page to add users to this site. Users must exist in the parent community before they can be added to this site.' There are three steps outlined: 'Step 1: Search' (with a search input field), 'Step 2: Choose User(s)' (with a list of users), and 'Step 3: Choose Roles' (with a list of roles and descriptions). The 'Roles' section includes 'Exercise Manager' and 'Editor'.



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

The screenshot shows the EXIS (Exercise Information System) website for the Transportation Security Administration. The top navigation bar includes links for Home, About EXIS, FAQ, Contact Us, My Account, Help, Site Map, and Logoff. Below the navigation is a row of icons representing different modes of transportation: Port & Intermodal (truck), General Aviation (airplane), Mass Transit (train), Freight Rail (train), Highway & Motor Carrier (truck), and Pipeline (gas pipe). The main content area is titled 'DHS ST' and 'Reports'. On the left, a sidebar titled 'EXERCISE' lists various exercise-related items: Home, Exercise Properties, Agencies, Objectives, Scenario, Master Scenario Event List, Corrective Actions, Best Practices, Lessons Learned, and Evaluation Guides. The 'Reports' section features a dropdown menu for 'Report Name' with the following options: Contingency_Injects, Contingency_Injects, Controller_Detailed_MSEL_Package, Evaluation_Team_Post-Exercise_Feedback_Form (which is highlighted in blue), Evaluation_Team_Post-Exercise_Feedback_Report, Exercise_Evaluation_Guide, Exercise_Objectives_Ratings_Report, Exercise_Task_Report, MSEL_Summary_Report, Post-Exercise_Participant_Feedback_Form, Post-Exercise_Participant_Feedback_Report, and Pre-Exercise_Data_Collection_Report. A 'View Report' button is located to the right of the dropdown menu.



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

The screenshot shows the EXIS Public Web Site registration page. The top navigation bar includes links for Home, About EXIS, FAQ, Contact Us, Site Map, Log in, Register, and Reset Password. A search bar is also present. The main content area is titled "Registration" and contains a "User Information" form with fields for First Name, Last Name, Agency/Organization Type, Agency/Organization Name, Other (Required if Agency/Org Name is omitted), Job Title, and Employee Name. The page is sponsored by the Transportation Security Administration, as indicated by a logo on the left.

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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