

EXIS

Exercise
Information
System



The Exercise Information System (EXIS) Baseline Brief



Transportation
Security
Administration

Overview

- ▶ The Current Transportation Security Landscape
- ▶ Exercises and Transportation Security
- ▶ What is EXIS?
- ▶ EXIS in Action
- ▶ EXIS and the Future of Transportation Security
- ▶ How to Join EXIS

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



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



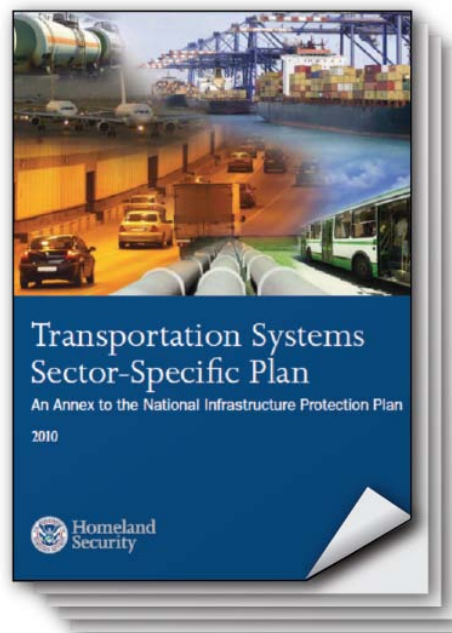
Highway & Motor Carriers

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

The Transportation Network

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 displays the EXIS web application interface. At the top, the EXIS logo is accompanied by the text 'Exercise Information System' and 'Transportation Security Administration'. Below this, a navigation bar includes links for Home, About EXIS, FAQ, Contact Us, My Account, Help, Site Map, and Logoff. A search bar with the text 'All Sites' and an 'Advanced Search' button is also present. The main content area shows a breadcrumb trail: Home > Topics > Communities. Below this, the heading 'Create a Community' is displayed. The form contains the following fields: 'Community Name *' (text input), 'Description *' (text area), 'Community Type' (dropdown menu with '(None)' selected), 'Port Type' (dropdown menu with '(None)' selected), and 'Region' (dropdown menu with '(None)' selected). A note at the bottom left of the form states '* indicates a required field'. A 'SUBMIT' button is located at the bottom right of the form. On the left side of the interface, there is a sidebar with a 'Welcome, Keturah Lee' message and two main sections: 'DIRECTORIES' (with links for Communities and Exercises) and 'LIBRARIES' (with links for Scenario Library, MSEL Library, Corrective Actions, Lessons Learned, Best Practices, and EXIS Definitions).

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

Welcome, Keturah Lee

EXERCISE
Home
Exercise Properties
Agencies
Objectives
Scenario
Master Scenario Event List
Corrective Actions
Best Practices
Lessons Learned

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

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Welcome, Keturah Lee

EXERCISE
Home
Exercise Properties
Agencies
Objectives
Scenario
Master Scenario
Event List
Corrective Actions
Best Practices
Lessons Learned

DHS ST
Add New User
Use this page to add users to this site. Users must exist in the parent community before they can be added to this site.

Step 1: Search
Enter user's first name or last name. Must be at least 3 characters.
Search:

Step 2: Choose User(s)
Select a user or users to be added to the exercise.
Users:

Step 3: Choose Roles
Choose the roles you want the user or users to have.
Roles:
☐ Exercise Manager - The owner and creator of an exercise. Has the ability to manage exercise members and content and suggest content for publication to the portal. Can also contribute to evaluation data and generate some evaluation reports.
☐ Editor - Has the ability to edit exercise content and suggest it to the Exercise Manager for publication to the portal. Can

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 web application interface. At the top, there is a navigation bar with the EXIS logo and the Transportation Security Administration seal. Below the logo, there are six icons representing different transportation modes: Port & Intermodal, General Aviation, Mass Transit, Freight Rail, Highway & Motor Carrier, and Pipeline. The main navigation menu includes links for Home, About EXIS, FAQ, Contact Us, My Account, Help, Site Map, and Logoff. The user is logged in as 'DHS ST' and 'Keturah Lee'. The 'EXERCISE' section is active, showing a list of reports. The 'Report Name' dropdown menu is open, displaying a list of report types, with 'Evaluation_Team_Post-Exercise_Feedback_Form' selected. A 'View Report' button is visible next to the dropdown.

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DHS ST

Welcome, Keturah Lee

EXERCISE

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Evaluation Guides

Reports

Report Name: Contingency_Injects
Contingency_Injects
Controller_Detailed_MSEL_Package
Evaluation_Team_Post-Exercise_Feedback_Form
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
Pre-Exercise_Data_Collection_Report

View Report

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

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 Site Map Log in **Register** Reset Password

This Site: EXIS Public Web Site

Registration

User Information:

First Name *
Last Name *
Agency/Organization Type * <Select Agency Type>
Agency/Organization Name *
Other (Required if Agency/Org Name is omitted) *
Job Title *
Employee Name *

Briefing Room
Calendar of Events
Tools and Templates
Document Library
Links

sponsored by:
Transportation Security Administration

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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