



National Infrastructure Protection Plan

Transportation Systems Sector

Homeland Security Presidential Directive 7 (HSPD-7) identified 17 critical infrastructure and key resources (CI/KR) sectors and designated Federal Government Sector-Specific Agencies (SSAs) for each of the sectors. Each sector is responsible for developing and submitting Sector-Specific Plans (SSPs) and sector-level performance feedback to the Department of Homeland Security (DHS) to enable national cross-sector CI/KR protection program gap assessments. SSAs are responsible for collaborating with public and private sector security partners and encouraging the development of appropriate information-sharing and analysis mechanisms within the sector.

Sector Overview

The Nation's transportation system quickly, safely, and securely moves people and goods through the country and overseas. The Transportation Systems Sector consists of six key subsectors, or modes:

1. **Aviation** includes aircraft, air traffic control systems, and approximately 450 commercial airports and 19,000 additional airfields. This mode includes civil and joint use military airports, heliports, short takeoff and landing ports, and seaplane bases.
2. **Highway** encompasses more than 4 million miles of roadways and supporting infrastructure. Vehicles include automobiles, buses, motorcycles, and all types of trucks.
3. **Maritime Transportation System** consists of about 95,000 miles of coastline, 361 ports, over 10,000 miles of navigable waterways, 3.4 million square miles of Exclusive Economic Zone to secure, and intermodal landside connections, which allow the various modes of transportation to move people and goods to, from, and on the water.
4. **Mass Transit** includes multiple-occupancy vehicles, such as transit buses, trolleybuses, vanpools, ferryboats, monorails, heavy (subway) and light rail, automated guideway transit, inclined planes, and cable cars designed to transport customers on local and regional routes.
5. **Pipeline Systems** include vast networks of pipeline that traverse hundreds of thousands of miles throughout the country, carrying nearly all of the Nation's natural gas and about 65 percent of hazardous liquids, as well as various chemicals.
6. **Rail** consists of hundreds of railroads, more than 143,000 route-miles of track, more than 1.3 million freight cars, and roughly 20,000 locomotives.

Sector Partnerships

The Transportation Security Administration (TSA) is designated as the SSA for the Transportation Systems Sector, which includes the Aviation, Highways, Passenger Rail, Mass Transit, Freight Rail and Pipeline modes. The United States Coast Guard (USCG) is designated as the SSA for the Maritime Transportation System mode. The Transportation System SSAs are working together using the NIPP Sector Partnership Model. The Transportation Sector Government Coordinating Council (TSGCC) was established in January 2006 and is further divided into separate modal Government Coordinating Councils (aviation, highway, freight rail, mass transit, maritime and pipeline¹). Sector Coordinating Councils (SCCs) have also been established by mode where membership is comprised of major trade associations, owners and operators, and other entities with a stake in transportation security. The Maritime mode will use existing mechanisms of communication for collaborative purposes with security partners.

Federal agencies involved in the coordination of the Transportation Systems Sector include: various component divisions within DHS; the Department of Defense; the Department of Energy; the Federal Bureau of Investigation and several others that are signatories to the NIPP.

CI/KR Protection Issues

Because this system is so diverse and expansive, security risks are inherent in both the supporting infrastructure and the people and products moving through it. The global nature of this commerce, coupled with the global threat of terrorism, requires the United States to cast a security net that extends well beyond the point-of-entry of those goods and people. The Transportation Systems Sector has significant interdependencies with the majority of the other critical infrastructure sectors. For instance, the Transportation Systems and Energy sectors directly depend on each other to move vast quantities of fuel to a broad range of users and to supply the fuel for all types of transportation. In addition to cross-sector interdependencies, the Transportation Systems Sector must also deal with interdependencies among modes.

Priority Programs

Within the Transportation Systems Sector, priority programs are driven by overall sector goals:

- Prevent and deter acts of terrorism using or against the U.S. transportation system;
- Enhance the resiliency of the U.S. transportation system;
- Build security networks throughout the U.S. transportation system; and
- Improve the cost-effective use of resources for transportation security.

Surface and Maritime Protective Programs: Implementing flexible and adaptive protective and targeted Mass Transit Grant programs throughout the Transportation Systems Sector will lead to better investment and operational decisions for programs such as the Transportation Worker Identification Card (TWIC), Certified Canine program, Surface Transportation Security Inspectors, Corporate Security Reviews, Container Security Initiative, Federal grants programs, and numerous maritime security initiatives and programs including U.S. port, vessel, and facility security assessments and plans and the assessment of anti-terrorism measures in the ports of our trade partners as required by the Maritime Transportation Security Act and the International Ship and Port Facility Security Code.

Aviation Screening and Security Operations: Coordinated, layered security programs designed to protect our Nation's airlines and the traveling public are considered one of the sector's highest priorities. This will be accomplished through a variety of training, identification verification, and research and development programs addressing passenger, employee, and cargo risks.

Transportation Security Training and Exercises: The Transportation Systems Sector will employ online and onsite training programs focused on increasing the sector's preparation, response and recovery measures, and awareness of terrorists' intentions.



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For questions or more information, please contact NIPP@dhs.gov or visit www.dhs.gov/nipp.

¹ Pipeline systems are addressed in collaboration with the Energy Sector.