



January 2000

# A Guide to Technology and Innovation

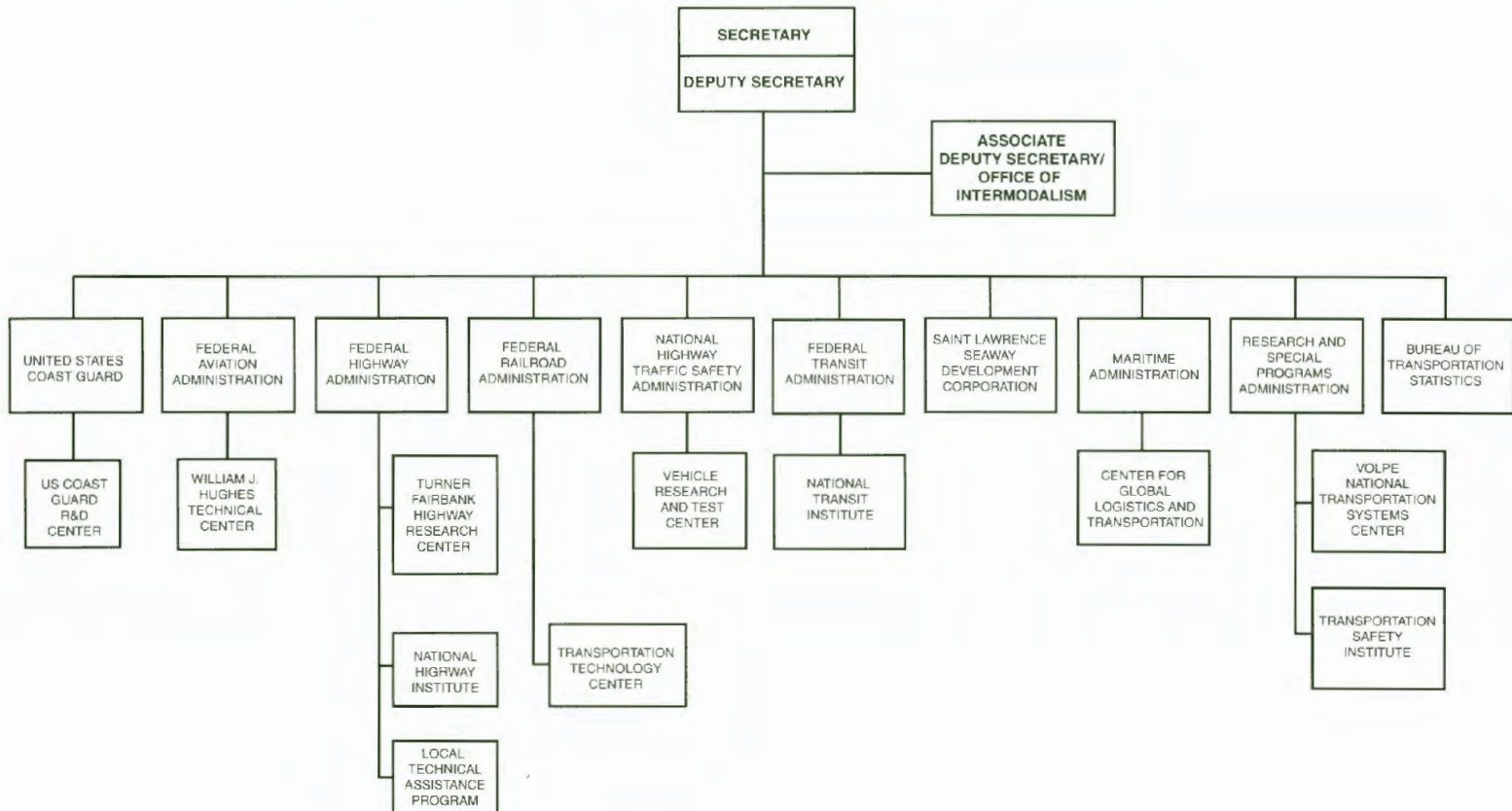
<http://scitech.dot.gov>  
<http://t2.dot.gov>

J.S. Department of Transportation

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# U.S. DEPARTMENT OF TRANSPORTATION

## Organizational Chart





## **A Guide to Technology and Innovation**

*This guidebook was produced by members of the U.S. Department of Transportation (DOT) Technology Innovation Committee and is intended as an overview of innovation and technology transfer activities in the Department. This product is a quick reference book to points of contact to begin to understand innovation, research and technology activities at the DOT and help you pursue development of more formal technology and innovation sharing partnerships. The members of the Committee (listed on the inside back cover) are initial contacts who will assist you in finding technical assistance and materials of interest.*

*Online Users can find additional information on our headquarters agencies, DOT laboratories, partnership opportunities, SBIR, as well as updated information about DOT Technology Transfer at our web site at:*

**<http://t2.dot.gov>**


*The Transportation Science and Technology home page is a one-stop resource for additional information on federal, national and international transportation planning, technology, and R&D activities:*

**<http://scitech.dot.gov>**

*Additional information about the Department of Transportation is provided on the Department's web site:*

**<http://www.dot.gov>**

*For additional copies or information about this guidebook, you may contact the Office of Innovation, Research and Education at (202) 366-4208.*



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## What Activities are Included in Innovation and Technology Transfer Efforts?

Innovation and Technology Transfer happens in many ways:

- partnerships and memorandums of understanding;
- coalitions and advisory committees;
- sharing of information through papers, workshops, briefings, publications, reports, conferences, and personal visits;
- information searches;
- providing technical assistance and expertise;
- access to federal laboratory facilities and services;
- pooling resources through cooperative agreements;
- license and patent agreements;
- international exchange programs;
- personnel exchange;
- technical training

## How to Use This Guide

In the following pages, facilities and services available from each DOT agency are briefly described and information is provided. This information includes telephone, fax numbers as well as postal mail, email, and web site addresses. Written inquiries to DOT elements within Washington, D.C. should use the address format below. Be sure to insert the appropriate office name.

*US Department of Transportation  
(Insert Office Name and Mail Code)  
400 Seventh Street SW  
Washington, DC 20590*

Complete addresses are provided for those DOT elements located outside of Washington, D.C.





## National Science and Technology Council

[http://www.whitehouse.gov/WH/EOP/OSTP/NSTC/html/NSTC\\_Home.html](http://www.whitehouse.gov/WH/EOP/OSTP/NSTC/html/NSTC_Home.html)

President Clinton established the National Science and Technology Council (NSTC) by Executive Order on November 23, 1993. This Cabinet-level Council is the principal means for the President to coordinate science, space, and technology and to coordinate the diverse parts of the Federal research and development enterprise. An important objective of the NSTC is the establishment of clear national goals for Federal science and technology investments in areas ranging from information technologies and health research, to improving transportation systems and strengthening fundamental research. The Council prepares research and development strategies that are coordinated across Federal agencies to form an investment package aimed at accomplishing multiple national goals. Transportation coordination with the NSTC is reflected in the strategic planning and assessment, public-private partnerships, enabling research, education, publications, and activities on the Transportation Science and Technology web site at <http://scitech.dot.gov>.

## U.S. Department of Transportation Office of the Secretary

<http://www.dot.gov/ost>

The **Office of Intermodalism** provides coordination in developing an intermodal transportation system to move people and goods in an energy-efficient, economic manner that obtains the optimum yield from the nation's transportation resources. The Office coordinates federal research on intermodal transportation and advances intermodal initiatives supported by state and local governments and private sector through regionally based staff assignments.

*Office of Intermodalism (S-3)*

*Voice: (202) 366-5781*

*FAX: (202) 366-0263*









# Federal Aviation Administration

<http://www.faa.gov>

*William J. Hughes Technical Center*

<http://www.tc.faa.gov>

The William J. Hughes Technical Center, in Atlantic City, NJ is the focal point for technology transfer activities in the FAA. The Center's mission is to provide research, engineering and test expertise in an integrated laboratory environment for the development and support of a safe, secure, and efficient global aviation system. The facilities and specialized equipment available include: National Airspace Systems laboratory with computer operations and library facilities for enroute, oceanic and terminal systems support, scan radar lab, ATC voice communications complex and the technical computer data center; Air Traffic Flow Management Laboratory; Research, Development and Human Factors Laboratory; Aviation Security Laboratory; full scale aviation fire test building aircraft components fire test facility, airport and helicopter test beds, simulation capabilities in traffic alert and collision, airport capacity, weather and GPS; the National Airport Pavement Test Facility, engine nacelle fire simulator, airflow induction test facility; full-scale curved panel test system, fuels laboratory, and a dynamic vertical drop test facility. Other FAA facilities include the FAA Toxicology and Accident Research Laboratory and the Civil Aeromedical Institute which addresses the bioengineering, biomedicine, and biochemistry issues associated with performance and safety, both located at the FAA Mike Monroney Aeronautical Center complex in Oklahoma City, OK. The facilities at this location include aircraft cabin evacuation simulators, a dynamic impact sled test facility, a water survival tank, a research altitude chamber and a forensic toxicology laboratory.

*FAA Technical Center*

*Atlantic City International Airport, NJ 08405*



























## Research and Special Programs Administration

<http://rspa.dot.gov>

The Research and Special Programs Administration (RSPA) operates the **Technology Sharing Program (TSP)**, a technical assistance and information exchange service primarily for state and local government officials. It has gained a reputation of producing high quality intermodal technical reports in a user-friendly format for the non-scientist or technical person to understand and act on problems of state or local governments.

*TSP Order Desk Information: (202) 366-4999*

*Web: <http://www.tsp.dot.gov>*

*FAX: (202) 366-3272*

### *University Transportation Centers (UTC)*

The mission of the UTCs is to advance U.S. technology and expertise in the many disciplines comprising transportation through the mechanisms of education, research and technology transfer at university-based centers of excellence. The Transportation Equity Act for the 21st Century (TEA-21), enacted on June 9, 1998, authorized up to \$194.8 million for grants to establish and operate up to 33 University Transportation Centers (UTC) throughout the U.S. in FY 1998 - 2003. Ten of these centers, which are designated as Regional Centers, were selected by competition in 1999. The other 23 UTCs are located at universities named in TEA-21. After a limited competition among the named universities in FY 2002, the program will comprise 26 centers. All UTCs are required to match federal funds dollar for dollar.

*Email: [utc@rspa.dot.gov](mailto:utc@rspa.dot.gov)*

*Voice: (202) 366-4434*







# Technology and Innovation Committee Contacts

Research and Special Programs Administration  
*Lynn Murray (murrayL@volpe.dot.gov)*

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