



**January 2001**

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

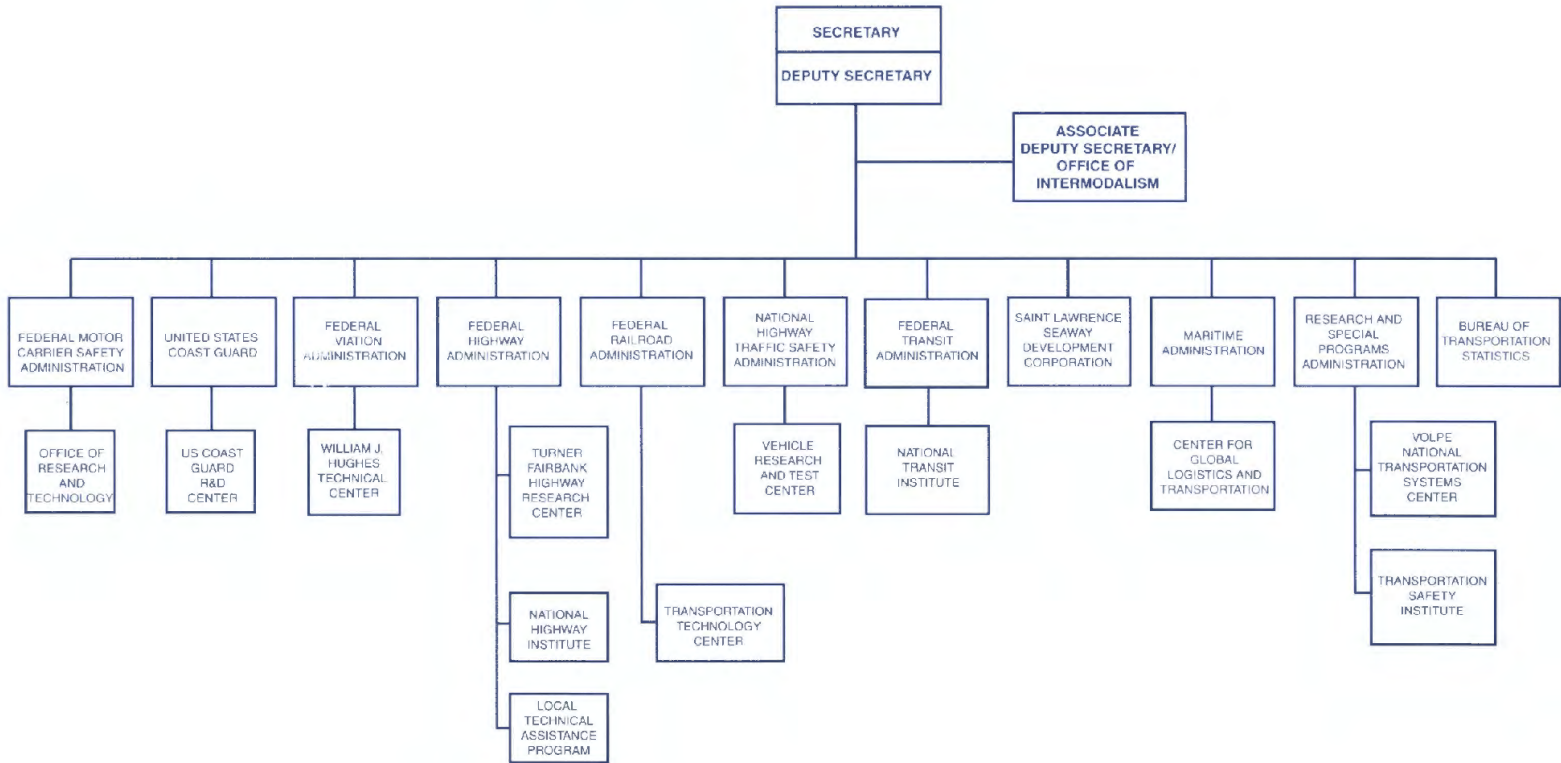
**<http://scitech.dot.gov>  
<http://t2.dot.gov>**

**U.S. Department of Transportation**

**Z  
7911  
.G84  
T44  
2001**

# U.S. DEPARTMENT OF TRANSPORTATION

## Organizational Chart



46378607

**Contents**

Overview of Technology Transfer . . . . . 1

National Science and Technology Council . . . . . 3

**U.S. Department of Transportation**

Office of the Secretary

    Office of Intermodalism . . . . . 3

    Small Business Innovation Research Program . . . . . 4

    Sharing Safety Technology Flagship Initiative . . . . . 5

    Garrett A. Morgan Technology and Transportation  
    Futures Program . . . . . 5

Bureau of Transportation Statistics . . . . . 6

Federal Aviation Administration . . . . . 7

Federal Highway Administration . . . . . 8

Federal Motor Carrier Safety Administration . . . . . 12

Federal Railroad Administration . . . . . 14

Federal Transit Administration . . . . . 15

Maritime Administration . . . . . 18

National Highway Traffic Safety Administration . . . . . 20

Research and Special Programs Administration . . . . . 22

U.S. Coast Guard . . . . . 24

27670

Z  
7911  
.G84  
T44  
2001  
C.2

MAR 14 2001

**MTA LIBRARY**



## **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, Small Business Innovation Research (SBIR) Program, 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 guide, you may contact the Volpe Center Office of Communications and Technology Outreach (617) 494-2224.









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

Innovation and Technology Transfer happens in many ways:

- sharing of information through papers, workshops, briefings,
- publications, reports, conferences, and personal visits;
- partnerships and memorandums of understanding;
- coalitions and advisory committees;
- 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 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.











education at all levels by leveraging the Department's current technology, education, and research programs and by forging public/private partnerships. The program has four components of k-12, community college partnerships, undergraduate and graduate opportunities and life-long learning.

**Garrett A. Morgan**  
**Technology and Transportation Futures Program**

ATTN: DRP-2  
U.S. Department of Transportation  
Washington, DC 20590-000  
Email: [garrett.morgan@rspa.dot.gov](mailto:garrett.morgan@rspa.dot.gov)



**Bureau of Transportation Statistics**

<http://www.bts.gov>

The Bureau of Transportation Statistics (BTS) compiles, analyzes, and makes accessible information on the nation's transportation systems; collects information on intermodal transportation; and works to enhance the quality and effectiveness of DOT statistical programs through the development of guidelines and promotion of improvements in data acquisition and use. BTS publishes statistical and other information in printed and electronic forms and compiles and disseminates inventories of all transportation data resources available to the public. Visit the National Transportation Library on the BTS web site for thousands of publications and reports. With the exception of BTS Office of Airline Information products, all other BTS products are available at no charge while supplies last.

*Bureau of Transportation Statistics*  
*National Transportation Library*  
*Contact: Cynthia Sparkman*  
*Voice: (202) 366-5684*  
*FAX: (202) 366-3640*

















## Federal Motor Carrier Safety Administration

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

The Federal Motor Carrier Safety Administration (FMCSA) works to reduce the number, and consequences, of large truck and bus crashes on the nation's highways. This is done by administering federal and state motor carrier safety enforcement programs, by developing close partnerships to change unsafe behavior, and by conducting and deploying research and technology safety improvements.

### *Office of Research and Technology*

The Office of Research and Technology manages FMCSA research and technology development, testing and transfer. The research and technology programs focus on: problem assessment; policy, safety management and outreach; drivers; truck and bus vehicle safety; and compliance, enforcement and operations. The Office also manages two Intelligent Transportation System programs, (i.e. Commercial Vehicle Information Systems and Networks, CVISN) and the heavy vehicle platform of the Intelligent Vehicle Initiative, which focuses on in-vehicle safety systems. The research and technology projects are coordinated and often in partnership with relevant agencies, research organizations, states, carriers, the private sector and others. The results are used to develop or refine FMCSA's policies, strategies, regulations, enforcement and most importantly commercial motor vehicle safety. The results are widely distributed and in multiple mediums.

*Office of Research and Technology  
Federal Motor Carrier Safety Administration  
400 Seventh Street SW  
Washington D.C. 20590  
Contact: Douglas McKelvey  
Voice: (202) 366-9246  
FAX: (202) 366-7908  
Email: [doug.mckelvey@fhwa.dot.gov](mailto:doug.mckelvey@fhwa.dot.gov)*



## Safety Action Programs

Safety Action Programs encompass the FMCSA non-enforcement strategies to reduce commercial motor vehicle crashes. These include the FMCSA education and outreach programs used to influence the behavior of 500,000 motor carriers, more than 7 million truck and bus drivers, and passenger car drivers operating near large commercial vehicles. Research findings and safety technologies are communicated through outreach initiatives, deployment strategies, and through the FMCSA web site to improve the safety of motor carrier operations, commercial motor vehicles, and commercial motor vehicle drivers; and involves public and private partnerships for using information systems, innovative technologies, and business practice reengineering. FMCSA is heavily involved in deploying intelligent technology to improve the efficiency of commercial operations with improved safety benefits.

### *Safety Action Programs*

*Federal Motor Carrier Safety Administration*

*400 Seventh Street SW*

*Washington D.C. 20590*

*Contact: Jim Keenan*

*Voice: (202) 366-2966*

*FAX: (202) 366-7908*

*Email: [jim.keenan@fhwa.dot.gov](mailto:jim.keenan@fhwa.dot.gov)*

























## 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*











27670

Z 7911 .G84 T44 2001 C.2

Guide to technology and  
innovation

---

**MTA LIBRARY**  
**ONE GATEWAY PLAZA, 15th Floor**  
**LOS ANGELES, CA 90012**

## ***Technology and Innovation Committee Contacts***

Bureau of Transportation Statistics

Cynthia Sparkman (cindy.sparkman@bts.gov)

Federal Aviation Administration

Jennelle Derrickson(jennelle.derrickson@faa.dot.gov)

Federal Highway Administration

Kevin Connor (Kevin.Connor@fhwa.dot.gov)

Mike Moravec (Mike.Moravec@fhwa.dot.gov)

Federal Motor Carrier Safety Administration

Douglas McKelvey (doug.mckelvey@fhwa.dot.gov)

Federal Railroad Administration

Brenda Hattery (Brenda.Hattery@fra.dot.gov)

Tom Raslear (Thomas.Raslear@fra.dot.gov)

Federal Transit Administration

Marina Drancsak (Marina.Drancsak@fta.dot.gov)

Maritime Administration

Alexander C. Landsburg (Alex.Landsburg@marad.dot.gov)

National Highway Traffic Safety Administration

Gary Bell (Gary.Bell@nhtsa.dot.gov)

Research and Special Programs Administration

Lynn Murray (murrayL@volpe.dot.gov)

U.S. Coast Guard

Shannon Jenkins (sjenkins@comdt.uscg.mil)



U.S. Department of Transportation  
Research and Special Programs Administration

John A. Volpe National Transportation Systems Center  
55 Broadway  
Cambridge, MA 02142-1093

Contact: Lynn Murray  
Voice: (617) 494-2224  
FAX: (617) 494-2370  
Email: [murrayL@volpe.dot.gov](mailto:murrayL@volpe.dot.gov)  
<http://www.volpe.dot.gov/>

Printed on Recycled Paper