



U.S. Department of Transportation



Navigating the Transportation Research Thesaurus (TRT)

Beth Burnett

Metadata Librarian, National Transportation Library

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Today's Topics



- About the National Transportation Library (NTL)
- About the Transportation Research Thesaurus (TRT)
- Controlled vocabularies
- TRT terms and the research ecosystem
- TRT and the Portfolio Management Data System (PMDS)
- Demo of the TRT
- Q&A



About the National Transportation Library (NTL)



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- One of 5 national libraries
- Digital library of full-text materials
- Provide reference services, data services, and DOT archives
- Coordinate transportation information and knowledge network
- Central repository for US DOT research results, Federal transportation information, and statistics



What is the TRT?

- Thesaurus specific to the transportation community
- Covers all modes and aspects of transportation
- Over 12,000 terms
- Supports indexing, search, and retrieval
- Terms are selected by TRT Subcommittee
- Anyone can suggest a new term



Importance of Controlled Vocabularies & Thesauri



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- Consistent language
- Ensures your research is discoverable
- Organizes terms into hierarchical relationships
- Provides synonyms directing you to the preferred term
- Accurate literature reviews and data calls



The TRT and the Research Ecosystem

Indexing, Searching, and Retrieval

Used by the entire transportation community:

- Office of Research, Development, & Technology
- National Transportation Library
- U.S. DOT offices
- University Transportation Centers
- State DOTs
- Transportation Research Board
- Private-sector organizations

Used throughout the research cycle:

- Tracking active research in PMDS
- Preparing the Technical Report Documentation Page (TRDP)
- ROSA P
- TRID
- Science.gov



TRT Terms in the Research Lifecycle

📅 End Date
1/14/2023

💰 FY Project Budget
750,000

💰 Total Budget
2,000,000

🔍 RD&T Research Priorities
Transformation - Integrated System of Systems

🔍 Transformation Key Performance Indicators (KPI)

🔍 Matching Research and Policy to advance breakthroughs

🔍 Transportation Research Thesaurus (TRT)
Climate change mitigation, Technology, Innovation, Commercial vehicle operations, State highways

📄 Project Abstract
The FMCSA's compliance and safety programs improve and promote safety performance. Identifying motor carriers that pose the greatest risk to the motoring public and applying a vigorous compliance review and enforcement program are integral parts...

TECHNICAL REPORT DOCUMENTATION PAGE

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1. Report No. NETC8120	2. Government Accession No. N/A	3. Recipient's Catalog No. N/A
4. Title and Subtitle NETC 20-4: Coordinating State Policies, Laws, and Regulations for Automated Driving Systems across New England	5. Report Date June 30, 2022	6. Performing Organization Code N/A
7. Author(s) Greg Rodriguez, JD, Stator; Ann McGraw, Stator; Emily Rague, Stator; Gretchen Stochly, JD, TTI; Todd Hansen, TTI; William Lyons, PE, AKCP, JD, Fort Hill Companies, LLC	8. Performing Organization Report No. NETC8120	10. Work Unit No. N/A
9. Performing Organization Name and Address Stator Consulting Services 1101 14th Street, #1200 Washington, D.C. 20005	11. Contract or Grant No. State WJLN 0022430 1R	13. Type of Report and Period Covered Final Report Des. 2020-June 2022
12. Sponsoring Agency Name and Address Maine DOT 16 State House Station Augusta, Maine 04333-0016	14. Sponsoring Agency Code NETC 20-4 (A study conducted in cooperation with United States Department of Transportation)	15. Supplementary Notes Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration. This report can be found at https://www.dca.gov/infrastructure/transportationconvention/or2023/nc-20-4
16. Abstract This project sought to develop a coordinated and consistent multi-state approach to the setting of policies, laws, and regulations within the New England region to support the seamless operation of ADS-equipped vehicles across the New England states.	18. Distribution Statement No restrictions. This document is available to the public.	
17. Key Words Automated Driving System, Automated Vehicles, New England, Regional, Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, Legal, Regulatory, Policy, ADS-equipped, ADS, AVs, Coordination, FMVSS	19. Security Class. (of this report) Unclassified	20. Security Class. (of this page) Unclassified
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1 Canada, Transport Canada
2 Secretary of Infrastructure, Communications and Transport (ICT) of Mexico

Subject/TRT Terms: 14 Disaster Preparedness
15 Disaster Resistance
16 Disaster and Emergency Operations
17 Emergency Management
18 Emergency Response Time
19 Guidelines
20 Hazardous Materials
21 Manuals
22 Pipeline Transportation

Resource Type: 1033 Report

Geographic Coverage: United States

Edition: 2024

Corporate Publisher: United States, Dept. of Transportation, Pipeline and Hazardous Materials Safety Administration

Abstract: The 2024 Emergency Response Guidebook provides first responders with a manual intended for use during the initial phase of a transportation incident involving hazardous materials/emergencies.

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TRT and the PMDS



- Complete data calls required by U.S. DOT leadership
- Create reports
- Coordinate U.S. DOT research
- Strategic planning
- Provides big-picture, multi-modal perspective



TRT Demo



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The Transportation Research Thesaurus (TRT):

- Controlled vocabulary of transportation terms
- Covers all modes and aspects of transportation
- Improves organizing, indexing, searching, and retrieval of transportation research
- Used in the PMDS, TRDP, ROSA P, TRID, and beyond



Questions?



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Thank you!

Beth Burnett

Metadata Librarian, NTL

natalie.burnett@dot.gov

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