

**Intelligent Transportation Systems (ITS)
Commercial Vehicle Operations (CVO)**

**Commercial Vehicle Information
Systems and Networks (CVISN)
Glossary**

**POR-96-6997 P. 1
Preliminary Issue**

October 1, 1996

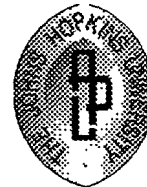


Prepared for:



*US Department of Transportation
Federal Highway Administration
400 Seventh Street SW
Washington, DC 20590*

Prepared by:



*The Johns Hopkins University
Applied Physics Laboratory
Johns Hopkins Road
Laurel, MD 20723*



Please note that this is a Preliminary Issue

It is important to note that this is a preliminary document. All completed sections have been reviewed by JHU/APL, but not by other DOT contractors or state/federal government agencies. The purpose of this issue is to serve as a basic CVISN reference. Comments and feedback on this document are needed from external organizations before a baseline version is published.

Table of Contents

1.0 Introduction	1
1.1 Purpose	1
1.2 Document Scope	1
1.3 Document Organization	1
1.4 Document References	1
2.0 List of Acronyms	4
3.0 List of Glossary Items	16
4.0 Glossary	22

1.0 Introduction

1.1 Purpose

This document defines terms and acronyms used in current Commercial Vehicle Information Systems and Networks (CVISN) documents and used in activities relevant to development of a national Intelligent Transportation System (ITS) system architecture for commercial vehicle operations (CVO). This document may serve as a basic reference for anyone who is interested or involved in CVO systems.

1.2 Document Scope

This document contains acronyms and definitions about operational tests and projects related to CVO, and nonprofit organizations that serve CVO. Not included in this document are for data dictionary terms relating to entities, processes, and data elements.

1.3 Document Organization

This document is organized into four sections:

- Section **1** contains an introduction to the document. It describes the purpose, scope, organization, and references for the document.
- Section **2** contains a list of acronyms.
- Section **3** contains a table of contents of the terms that are defined in the CVO Information Systems Glossary.
- Section **4** contains the glossary definitions.

1.4 Document References

The definitions contained in Section 4 of this document were taken from a variety of sources, including informal papers, standards, and existing ITS and CVO documentation. Sometimes, the reference for the term is a published document. In other cases the definition is taken from information that APL received informally from conversations or during meetings. If a reference is known, a reference number is listed after the term's definition. The following references were used in generating the definitions.

- [1] Report to Congress, Base State Working Group on Uniform Motor Carrier Programs, December 17, 1993.
- [2] Title 49 of the Code of Federal Regulations.
- [3] Urban Public Transportation Glossary, Transportation Research Board, 1989.
- [4] ATA Policy Brochure.
- [5] Advantage I-75 Final Report, JHK & Associates, May 1992.

- [6] AAMVAnet 1992-1993 Annual Report, AAMVAnet Inc.
- [7] Cost/Benefit Analysis of a Rural ATIS, Transportation Research Board, January 1994.
- [8] An Introduction to Electronic Data Interchange, Data Interchange Standards Association (DISA), September 1, 1991.
- [9] Handling Hazardous Materials, Department of Safety, American Trucking Associations 1994 Edition.
- [10] NLETS General Report, NLETS Inc., June 1994.
- [11] 1993 Annual Report, Intelligent Vehicle Highway Society of America.
- [12] CVO Information Systems Statement of Direction, APL, May 27, 1994.
- [13] Maine, New Hampshire & Vermont Motor Carrier Administration Overview, CSI Inc., April 1994.
- [14] IVHS Strategic Plan Report to Congress, DOT, December 18, 1992.
- [15] Finding From Five Years of Operating Oregon's Automated Woodburn Port of Entry, TRB, January 1994.
- [16] Western States Transparent Borders Project, Description of Current State Practices for Idaho, Washington State Transportation Center (TRAC), May 1993.
- [17] Federal Highway Administration Research and Technology Program Highlight, 1993.
- [18] Improved SCE Selection Process for Ranking Potentially High Risk Carriers, FHWA, October 1994.
- [19] The MCMIS Motor Carrier Safety Profile Documentation FHWA/OMC, August 1992.
- [20] Proposed Standard for Dedicated, Shortrange, Two-Way Vehicle to Roadside Communications, ASTM, December 1993.
- [21] ANSI D-20.1 Data Element Dictionary, AAMVA, October 1993.
- [22] International Registration Plan, AAMVA, August 22, 1994.
- [23] CDLIS Detailed Design Document 3.2, AAMVAnet, November 1992.
- [24] Premier Carrier Pilot Project Program Design and Evaluation Criteria, Volpe, September 1994.

- [25] The Commercial Vehicle Information System Interim Report to Congress (DRAFT), January 1995, FHWA.
- [26] Encyclopedia of Associations, 29th Edition, 1995.
- [27] North American Free Trade Agreement, Department of Commerce, 1994.
- [28] Western States Transparent Borders, Description of Current State Practices, Washington, WA-RD 309.1, April 1993.
- [29] Systems Planning for Automated Commercial Vehicle Licensing and Permitting Systems, Cambridge Systematics, Inc., October 1993.
- [30] Commercial Vehicle Safety Alliance Petition for Rule Change, CVSA, July 1994.
- [31] CVIS Definitions and Abbreviations, November 22, 1994.
- [32] Information Engineering, Planning and Analysis (Book II), James Martin, 1990.
- [33] A Comparison of IVHS Progress in the United States, Europe, and Japan, R. L. French and Associates, December 31, 1993
- [34] Heavy Vehicle Use Tax Return, Form 2290, Rev. July 1993
- [35] Commercial Vehicle Information Systems Network Operational Concept Document, JHU/APL, PDO-95-006, January 31, 1995
- [36] Commercial Vehicle Information Systems Network Architecture Specification, JHU/APL, TBS
- [37] JHU/APL supplied
- [38] Balancing Growth and Diversity, AAMVAnet, Inc. 1992-1993 Annual Report

2.0 List of Acronyms

This section provides acronyms, listed in alphabetical order, and their expanded name. Definitions of many of these terms are given in the glossary under the expanded name.

AAMVA

American Association of Motor Vehicle Administrators

AASHTO

American Association of State Highway and Transportation Officials

ADVANCE

Advanced Driver and Vehicle Advisory Navigation Concept

AHS

Automated Highway System

AMASCOT

Automated Mileage and Stateline Crossing Operational Test

ANSI

American National Standards Institute

APTS

Advanced Public Transportation Systems

ASAP

Automated Safety Assurance Program

ASC

Accredited Standards Committee

ASPEN

Hand-held pen-based inspection system (Aspen, CO)

ASTM

American Society for Testing and Materials

ATA

American Trucking Associations

ATIFE

Advanced Technologies for International and Intermodal Ports of Entry

ATIS

Advanced Traveler Information Systems

ATMS

Advanced Traffic/Management Systems

AVC

Automatic Vehicle Classification

AVCS

Advanced Vehicle Control Systems

AVI	Automatic Vehicle Identification
AVL	Automatic Vehicle Location
BSWG	Base State Working Group
CASE	Computer Aided Software Engineering
CAT	Carrier Automated Transaction
CDL	Commercial Driver's License
CDLIS	Commercial Driver's License Information System
CFR	Code of Federal Regulations
CI	Credentialing Interface
CIS	Credential Input System
CMV	Commercial Motor Vehicle
CMVSA	Commercial Motor Vehicle Safety Act of 1986
COACH	CVISN Operational and Architectural Compatibility Handbook
COVE	Commercial VEHICLE
CR	Compliance Review
CSFR	Carrier Safety Fitness Rating

CV

Commercial Vehicle

CVIE

Commercial Vehicle Information Exchange System

CVIS

Commercial Vehicle Information System

CVISN

Commercial Vehicle Information Systems and Networks

CVL

Commercial Vehicle Licensing

CVO

Commercial Vehicle Operations

CVO ISA

Commercial Vehicle Operations Information System Architecture

CVSA

Commercial Vehicle Safety Alliance

DBA

Doing Business As

DL

Drivers License

DOT

Department of Transportation

DSRC

Dedicated Short Range Communication

DTSW

Dynamic Downhill Truck Speed Warning System

DVIS

Driver/Vehicle Inspection System

EDI

Electronic Data Interchange

EEOS

Electronic One-Stop Shopping

EFT

Electronic Funds Transfer

EIA	Electronics Industry Association
EPIC	Expected Processing and International Crossing
ESAL	Equivalent Single Axle Loads
ETC	Electronic Toll Collection
ETTM	Electronic Toll and Traffic Management
FARS	Fatal Accident Reporting System
FHVUT	Federal Heavy Vehicle Use Tax
FHWA	Federal Highway Administration
FMCSR	Federal Motor Carrier Safety Regulations
FMMS	HazMat Fleet Management and Data Monitoring System
FTA	Federation of Tax Administrators; Federal Transit Administration
FTS2000	Federal Telecommunications System 2000
GCWR	Gross Combination Weight Rating
GIS	Geographical Information System
GPS	Global Positioning System
GVW	Gross Vehicle Weight

GVWR	Gross Vehicle Weight Rating
HAZMAT	Hazardous Material
HELP	Heavy Vehicle Electronic License Plate Program
HM	Hazardous Material
HMTA	Hazardous Material Transportation Act
HMTUSA	Hazardous Material Transportation Uniform Safety Act
HOS	Hours of service
HSWIM	High Speed Weigh-In-Motion
IBEX	International Border Electronic Crossing
IBTTA	International Bridge, Tunnel, and Turnpike Association
ICC	Interstate Commerce Commission
IDT	Intelligent Decision Technologies
IEEE	Institute of Electrical and Electronics Engineers
IEN	Information Exchange Network
IES	Information Exchange System
IFTA	International Fuel Tax Agreement
INS	Immigration and Naturalization Service

IOU	Idaho, Oregon, Utah
IR	Inter-regional
IRP	International Registration Plan
ISA	Information Systems Architecture
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
ITS	Intelligent Transportation Systems (formerly IVHS)
ITSA	Intelligent Transportation Society of America
JHU/APL	The Johns Hopkins University Applied Physics Laboratory
LAMP	Licensing Application Migration Project
LCL	Less-Than-Carload
LIMS	Lockheed Information Management Systems
LM	Legacy Modification
LSI	Legacy System Interface
LTL	Less-Than-Truckload
MACS	Mainline Automated Clearance System

MCMIS	Motor Carrier Management Information System
MCSAP	Motor Carrier Safety Assistance Program
MEOSS	Mid-West Electronic One-Stop Shopping
MOE	Measure Of Effectiveness
MONY	Michigan/Ontario/New York
MOOO	Multi-Jurisdictional Oversize and Overweight Organization
MPO	Metropolitan Planning Organization
NAFTA	North American Free Trade Agreement
NCHRP	National Cooperative Highway Research Program
NCIC	National Crime Information Center
NDR	National Driver Register
NETC	New England Transportation Consortium
NGA	National Governors' Association
NHTSA	National Highway Traffic Safety Administration
NIMC	National Incident Management Coalition
NLETS	National Law Enforcement Telecommunication System
NMVTIS	National Motor Vehicle Title Information System

NOI	Notice Of Investigation
NPTC	National Private Truck Council
NTSB	National Transportation Safety Board
OBC	On-Board Computer
OCD	Operational Concept Document
OMC	Office of Motor Carriers
OOIDA	Owner-Operator Independent Driver Association
OOS	Out of Service
OOSD	Out of Service Driver
OOSV	Out of Service Vehicle
OS/OW	Oversize/Overweight
OST	Office of the Secretary of Transportation
PASS	Port of Entry Advanced Sorting System
PDPS	Problem Driver Pointer System
POE	Port of Entry
PSC	Public Service Commission

PUC	Public Utility Commission
RAPP	Regional Automated Permit Processing
RES	Roadside Electronic Screening
RFTA	Regional Fuel Tax Agreement
ROVER	CVO ROving VERification Van
RSIS	RS Information Systems
RSPA	Research and Special Program Administration
RTVDM	Registration, Title, Vehicle Dealers and Manufacturers
SAE	Society of Automotive Engineers
SAFER	Safety and Fitness Electronic Records
SAFETY-NET	A distributed system for managing safety data on both interstate and intrastate motor carriers
SASHTO	Southern Association of State Highway and Transportation Officials
SCE	Selective Compliance Enforcement
SDO	Standard Development Organization
SE	Southeastern States
SEB	State Entry Beacon

SHRP	Strategic Highway Research Program
SSN	Social Security Number
SSRS	Single State Registration System
STCC	Standard Transportation Commodity Code
TCC	Transportation (U.S. DOT) Computer Center
TIA	Telecommunications Industry Association
TIN	Tax Identification Number
TOCM	Transportation Operation Coordination Committee
TPM	Technical Performance Measure
TRALA	Truck Rental And Leasing Association
TRANSCOM	Transportation Operations Coordination Committee
TRB	Transportation Research Board
UCR	Unified Carrier Register
VAN	Value-Added Network
VIN	Vehicle Identification Number
VISTA	Vehicle Information System for Tax Apportionment
VMS	Variable Message Sign

VRTC
Vehicle Research Testing Center

VRC
Vehicle to Roadside Communication

VTIE
Vehicle Title Information Exchange

WASHTO
Western Association of State Highway Officials

WBS
Work Breakdown Structure

WIM
Weigh-In-Motion

WRA
Western Regional Agreement

WTA
Washington Trucking Associations

3.0 List of Glossary Items

This section contains an index to the glossary items. It contains the glossary item name and its corresponding page number.

Glossary Table of Contents

	Page
AAMVAnet	23
AAMVAnet, Inc	23
AASHTO Value-Added Network	23
Abatement	23
Accident	23
Additional Fleet Vehicles	23
Advanced Driver and Vehicle Advisory Navigation Concept (ADVANCE)	23
Advanced Public Transportation Systems (APTS)	23
Advanced Traveler Information Systems (ATIS)	23
Advantage CVO	24
American Association of Motor Vehicle Administrators (AAMVA)	24
American Association of State Highway and Transportation Officials (AASHTO)	24
American National Standards Institute (ANSI)	24
American Society for Testing and Materials (ASTM)	24
American Trucking Associations (ATA)	24
Apportionable Fee	24
Apportionable Fleet	24
Apportionable Vehicle	25
Architecture	25
Automatic Vehicle Classification (AVC)	25
Automatic Vehicle Identification (AVI)	25
Automatic Vehicle Location (AVL)	25
Base Jurisdiction	25
Base Plate	25
Base State System	26
Base State Working Group on Uniform Motor Carrier Programs	26
Bingo Stamps	26
Bus	26
Cab Card	26
Carrier Safety Fitness Rating (CSFR)	-26
Citation	26
COACH	26
Code of Federal Regulations (CFR)	27
Collision Accident	27
Combination Vehicle	27
Combined Gross Weight	27
Commercial Driver's License (CDL)	27
Commercial Driver's License Information System (CDLIS)	27
Commercial Motor Vehicle (CMV)	27
Commercial Motor Vehicle Safety Act (CMVSA)	28
Commercial Trailer	28
Commercial Vehicle Information System (CVIS)	28
Commercial Vehicle Information Systems and Networks (CVISN)	28

Commercial Vehicle Operations (CVO)	28
Commercial Vehicle Safety Alliance (CVSA)	28
Compliance Order..	29
Compliance Review (CR)	29
Conviction	29
COVE	29
Crescent..	29
Data Dictionary	29
Data Element	29
Data Model	30
Data Type..	30
Database	30
Dead Reckoning AVL	30
Department of Transportation (DOT)	30
Dolly.....	30
Domestic Intercity Trucking..	30
Double	30
Driver	31
Driver's License	31
Driver/Vehicle Inspection System (DVIS)	31
Driving Time	31
Educational Contact.....	31
Electronic Clearance	31
Electronic Data Interchange (EDI)	31
Electronic Funds Transfer (EFT)	31
Electronic Toll and Traffic Management (ETTM)	32
Electronic Toll Collection (ETC)	32
Electronics Industry Association (EIA)	32
En route Transit Information	32
Encyclopedia..	32
Endorsement	32
Enterprise Model	32
Entity..	32
Entity-Relationship Diagram.....	32
Event State	32
Examination	32
Exempt Motor Carrier	33
Fatal Accident	33
Fatal Accident Reporting System (FARS)	33
Fatal Injury..	33
Fatality	33
Federal Bridge Formula.....	33
Federal Heavy Vehicle Use Tax (FHVUT)	33
Federal Highway Administration (FHWA)	33
Federal Motor Carrier Safety Regulations (FMCSR)	33
Federal Register	33
Federal Telecommunication System 2000 (FT 2000)	34
Federation of Tax Administrators (FTA)	34
Felony	34
Fifth Wheel	34

Fleet	34
For Hire Motor Carrier	34
For Hire Vehicle	34
Freight	34
Freight Forwarder..	34
Frontage Road	34
Full Trailer	35
Function	35
General Freight Carrier	35
Geographical Information System (GIS)	35
Global Positioning System (GPS)	35
Gross Combination Weight Rating (GCWR)	35
Gross Vehicle Weight (GVW)	35
Gross Vehicle Weight Rating (GVWR)	35
Harmful Event	36
Hazardous Material Transportation Act (HMTA)	36
Hazardous Material Transportation Uniform Safety Act..	35
Hazardous Materials	36
Heavy Duty Truck	36
Heavy Straight Vehicle	36
Heavy Vehicle Electronic License Plate (HELP).	36
Hours of Service (HOS)	36
IFTA Audit	36
IFTA, Inc.	37
Imminent Hazard.....	37
Incapacitating Injury	37
Indicia	37
Injury..	37
Injury Accident	37
Institute of Electrical and Electronics Engineers (IEEE)	37
Institute of Transportation Engineers (ITE)	38
Intelligent Transportation Society of America (ITSA)	38
Inter-modal Surface Transportation Efficiency Act of 1991 (ISTEA)	38
International Fuel Tax Agreement (IFTA)	38
International Registration Plan (IRP)	38
Interstate Commerce	38
Interstate Commerce Commission (ICC)	38
Interstate Highway	38
Interstate Motor Carrier	38
Interstate Operation	38
Intrastate Commerce	39
Intrastate Motor Carrier	39
Intrastate Operation	39
IRP Audit.....	36
IRP, Inc..	37
Junction	39
Jurisdiction	39
Lease	39
Less Than Truckload (LTL)	39
Lessee	39

Lessor.....	39
Licensing Application Migration Project (LAMP)	39
Light Trucks	40
Long Term Lease.....	40
Mainline Automated Clearance System (MACS)	40
Median	40
Medium and Heavy Trucks	40
Metropolitan Planning Organization (MPO)	40
Motor Carrier	40
Motor Carrier Management Information System (MCMIS)	40
Motor Carrier Safety Assistance Program (MCSAP)	40
Motor Vehicle.....	40
Motorist	41
Multi-Jurisdictional Oversize and Overweight Organization.....	41
National Cooperative Highway Research Program (NCHRP)	41
National Driver Register (NDR)	41
National Governors' Association (NGA)	41
National Highway Traffic Safety Administration (NHTSA)	41
National Incident Management Coalition (NIMC)	41
National Law Enforcement Telecommunication System (NLETS)	41
National Motor Vehicle Title Information System (NMVTIS)	41
National Private Truck Council (NPTC)	42
National Transportation Safety Board (NTSB).....	42
New England Transportation Consortium (NETC)	42
Non-Regulated Trucking.....	42
North American Free Trade Agreement (NAFTA).....	42
Notice Of Investigation (NOI)	42
Occupant	42
Office of Motor Carriers (OMC).....	42
Office of the Secretary of Transportation (OST)	43
On-Board Computer (OBC)	43
On-Board Safety Monitoring.....	43
On-Duty Time.....	43
One-Stop Shopping.....	43
Operating Authority	43
Operating Expenses	43
Operations Out of Service Order	43
Operator	43
Other U.S. Route Numbered Highway	44
Out of Service Driver.....	44
Out of Service Vehicle	44
Out of Service Violation	44
Oversize/Overweight Permit.....	44
Overturning Accident.....	44
Owner	44
Owner-Operator Independent Driver Association (OOIDA)	44
Owner/Operator	44
Passenger	44
Piggyback	45
Port of Entry	45

Port of Entry Advanced Sorting System (PASS)	45
Possible Injury..	45
Power Unit.....	45
Pre-Trip Travel Information	45
Principal Place of Business	45
Private Carrier	45
Problem Driver Pointer System (PDPS)	45
Process	46
Public Service Commission @SC)	46
Public Utility Commission (PVC)	46
Radio Determination AVL	46
Ramp	46
Reciprocity Agreements	46
Regional Automated Permit Processing (RAPP)	46
Regional Fuel Tax Agreement (RFTA)	46
Registered Weight	47
Registrant	47
Registration Agency	47
Registration State	47
Regulated Motor Carrier	47
Reinstatement	47
Report	47
Research and Special Program Administration (RSPA)	47
Revocation	47
Road	48
Roadside	48
Roadside Inspection.....	48
Roadway	48
Rocky Mountain Double	48
Rural Area	48
Safety and Fitness Electronic Records (SAFER)	48
Safety State	48
SAFETYNET	48
Selective Compliance Enforcement (SCE)	49
Semitrailer	49
Shared Road	49
Shoulder.....	49
Single State Registration System (SSRS)	49
Smart Card.....	49
Snapshot	49
Society of Automotive Engineers (SAE).....	49
Southern Association of State Highway and Transportation Officials (SASHTO)	49
Specialized Carrier	50
State Entry Beacon (SEB)	50
State of Domicile	50
State Route Numbered Highway	50
Straight Truck	50
Tag Number	50
Tank Vehicle	50
Technical Performance Measure	50

Telecommunications Industry Association (TIA)	50
Temporary Trip Permit	50
Third Structure Tax	51
Ton Mile Tax	51
Total Distance	51
Tractor	51
Tractor Semitrailer	51
Traffic Unit	51
Trailer	51
Transparent Borders	51
Transponder	51
Transportation Computer Center (TCC)	51
Transportation Operation Coordination Committee (TOCM)	51
Transportation Research Board (TRB)	52
Trip	52
Trip Ticket	52
Truck	52
Truck Combination	52
Truck Tonnage	52
Truck Tractor	52
Truckload	52
Turnpike Double	52
Twin Trailer	53
Unladen Vehicle Weight	53
Unrated Carrier	53
Vehicle Identification Number (VIN)	53
Vehicle Information System for Tax Apportionment (VISTA)	53
Vehicle Title Information Exchange (VTIE)	53
Vehicle to Roadside Communication (VRC)	53
Vehicle-Mile	53
Violation	54
Washington Trucking Association (WTA)	54
Weigh-In-Motion (WIM)	54
Weight-Distance Tax	54
Western Association of State Highway and Transportation Officials (WASHTO)	4
Western Regional Agreement (WRA)	54

4.0 Glossary

Section 4 contains the glossary terms and their definitions. It is not the intent of APL to establish norms or standards for the terms. In many cases there are several definitions for a term. Instead, the objective is to provide a compilation of common usage. The presence of a definition in the glossary does not preclude other equally correct definitions. The definitions in this glossary are organized alphabetically by term.

AAMVAnet

- A national electronic telecommunications network developed by IBM and operated by AAMVAnet Inc., that connects the NDR, the CDLIS central site, other users and the on-line states. [23]

AAMVAnet, Inc.

A nonprofit organization created by AAMVA, to deliver cost effective information system solutions. [6]

AASHTO Value-Added Network

An AAMVAnet based network used to provide AASHTO members with access to Federal Highway Administration applications such as Fiscal Management information systems and a federal aid billing system. [6]

Abatement

To discontinue regulatory violations by refraining from or taking actions identified in a notice to correct noncompliance. [2]

Accident

An unstabilized situation which includes at least one harmful event. [21]

Additional Fleet Vehicles

Vehicles acquired by the registrant after the commencement of the registration year and added to the proportionally registered fleet. [22]

Advanced Driver and Vehicle Advisory Navigation Concept (ADVANCE)

A cooperative effort to evaluate the performance of the first large scale dynamic route guidance system in the U.S.

Advanced Public Transportation Systems (APTS)

One of six user services areas defined by the original ITS National Program Plan. (Recent updates to the plan have reorganized the user services into different categories).

Advanced Traveler Information Systems (ATIS)

Information systems designed to provide roadway users with accurate and timely information on travel conditions. [7]

Advantage CVO (formerly Advantage I-75)

- A CVO operational test along Interstate 75. This project represents a partnership of public and private sector interests along the I-75 corridor. (See also Mainline Automated Clearance System).

American Association of Motor Vehicle Administrators (AAMVA)

A national organization of state agencies responsible for motor vehicle registration. [6]

American Association of State Highway and Transportation Officials (AASHTO)

An organization to develop and support guidelines for the construction, maintenance, and operation of surface transportation facilities.

American National Standards Institute (ANSI)

A clearinghouse for many nationally coordinated voluntary industry standards. [S]

American Society for Testing and Materials (ASTM)

An organization to establish test standards for materials, products, systems, and services for a wide range of industries.

American Trucking Associations (ATA)

A national trade association of the trucking industry. Its mission is to educate public officials about the trucking industry and to supply current, accurate information to ensure compliance with federal, state, and local laws. [4]

Apportionable Fee

Any periodic recurring fee required for licensing or registering vehicles, such as, but not limited to, registration, license or weight fees. [22]

Apportionable Fleet

One or more vehicles identified as a fleet, except recreational vehicles, vehicles displaying restricted plates, city pick-up and delivery vehicles, buses used in transportation of chartered parties, and government-owned vehicles, used in two or more member jurisdictions that allocate or proportionally register vehicles and is used for the transportation of persons for-hire or designed, used or maintained primarily for the transportation of property. [22]

Apportionable Vehicle

- Vehicle operating in two or more member jurisdictions and used for the transportation of persons or property may apply for apportioned registration. Apportionable vehicles include:

- (1) a power unit having two axles and a gross vehicle weight in excess of 26,000 pounds, or;
- (2) a power unit having three or more axles, regardless of weight; or
- (3) used in combination, when the weight of such combination exceeds 26,000 pounds gross weight.

Vehicles or combinations thereof, having a gross vehicle weight of 26,000 pounds or less and two-axle vehicles and buses used in transportation of chartered parties may be proportionally registered at the option of the registrant. [22]

Architecture

The overall structure and unifying design characteristics of a system.

Automatic Vehicle Classification (AVC)

Classifies trucks by vehicle length, number of axles, and axle spacing.

Automatic Vehicle Identification (AVI)

Identifies vehicles using light, microwave, or radio frequencies. Combines roadside receivers with on-board transponders to automatically identify vehicles. This includes license plate readers.

Automatic Vehicle Location (AVL)

Calculates the location of a truck or trailer. There are several types of AVL: Dead Reckoning AVL and Radio determination AVL. [29]

Base Jurisdiction

In a base state agreement, the jurisdiction where operators or owners have an established place of business, where mileage is accrued by a fleet, and where operational records of a fleet are maintained or can be made available. [22]

Base Plate

Under IRP, a license plate issued by the Base Jurisdiction. It is the only registration identification plate issued for a vehicle by any member jurisdiction. [22]

Base State System

A cooperative agreement under which an interstate carrier traveling in more than one jurisdiction will choose one state as a Base Jurisdiction. Thereafter the Base Jurisdiction is responsible for all interactions with the carrier. (See also Base Jurisdiction.)

Base State Working Group on Uniform Motor Carrier Programs

A working group composed of state officials to facilitate state responses in meeting the mandate established in Section 4008 of the Motor Carrier Act of 1991. [1]

Bingo Stamps

Stamps used by states as a revenue mechanism to cover costs associated with administration of motor carrier insurance requirements and the issuance of operating authority credentials. [37]

The program will disappear by 1994, when the ISTEA mandated base-state programs are implemented. [28]

Bus

A motor vehicle consisting primarily of a transport device designed for carrying more than ten persons. [21]

Any motor vehicle designed, constructed, and or used for the transportation of passengers, including taxi cabs. [2]

Cab Card

Under IRP, a registration card (vehicle or fuel) issued by the Base Jurisdiction for a vehicle of an apportioned fleet which identifies the vehicle, base plate, registered weight by jurisdictions and shows the jurisdictions where the vehicle is properly registered. [28]

Carrier Safety Fitness Rating (CSFR)

The safety rating of the carrier based on an official approved safety algorithm.

Citation

A legal action against a person, indicting that a law may have been broken.

COACH

A JHU/APL document providing CVISN pilot state agencies, motor carriers, and developers of CVISN Core Infrastructure systems with a comprehensive checklist of what is required to be compatible with CVISN operational concepts and architecture.

Code of Federal Regulations (CFR)

A codification of the general rules published in the Federal Register by executive departments and agencies of the federal government. An annual publication that contains all federal regulations in effect which govern motor carrier safety. Title 49 deals with motor carrier safety regulations. [2]

Collision Accident

A road vehicle accident other than an overturning accident in which the first harmful event is a collision of a road vehicle in transport with another road vehicle, other property or pedestrians.

Combination Vehicle

Any combination of vehicles with a gross combination weight rating of 26,001 or more pounds provided the GVWR of the vehicle being towed is in excess of 10,000 pounds. [2]

Combined Gross Weight

The total unladen weight of a combination of vehicles plus the weight of the load carried on that combination of vehicles. [22]

Commercial Driver's License (CDL)

A license issued to an individual by a state or other jurisdiction, according to the Code of Federal Regulations, Title 49, Part 383, which authorizes the individual to operate a designated class of motor vehicles. [2]

Commercial Driver's License Information System (CDLIS)

A software system that serves as a pointer to the complete record kept by the state issuing the license. The system is intended to provide states with the ability to check a nationwide information system for possible duplicates or for a suspended license before issuing a commercial driver's license to an applicant. It was established by FHWA according to section 12007 of the Commercial Motor Vehicle Act of 1986. [23]

Commercial Motor Vehicle (CMV)

Any self-propelled or towed vehicle used on highways in intrastate or interstate commerce to transport passengers or property:

- a) if it has a gross vehicle weight rating of 26,001 or more pounds; or
- b) if it is designed to transport more than 16 passengers, including the driver; or
- c) if it is used to transport hazardous materials (as defined in 49 U.S.C. App. 1801 et seq.) in quantity requiring placarding under federal regulation. [2]

Commercial Motor Vehicle Safety Act (CMVSA)

- . Requires all states to meet the same minimum standards for testing and licensing drivers of commercial motor vehicles. The act also mandates uniform penalties and a central reporting system. [16]

Commercial Trailer

A trailer used to handle freight in the transportation of goods for others; excludes house trailers, light farm trailers and car trailers.

Commercial Vehicle Information System (CVIS)

An information system being used to determine the feasibility of linking safety fitness to vehicle registration. [25]

Commercial Vehicle Information Systems and Networks (CVISN)

CVISN is the collection of state, federal and private sector information systems and communications networks that support commercial vehicle operations (CVO).

Many improvement initiatives are currently underway to develop new systems and upgrade existing systems to add new capabilities and allow electronic exchange of information using open interface standards. This will enable delivery of new electronic services to states and carriers in the broad areas of safety, credentials, and electronic clearance. Specific examples of new services include:

- providing timely safety information to inspectors at the roadside,
- providing operating credentials to motor carriers electronically,
- allowing states to exchange registration and fuel tax information electronically, and
- conducting electronic screening of commercial vehicles at fixed and mobile sites while vehicles travel at highway speeds.

In summary, CVISN components apply emerging technologies to improve the effectiveness and efficiency of state and private CVO stakeholders in the three broad functional areas of safety, credentials, and electronic screening.

Commercial Vehicle Operations (CVO)

Includes all the operations associated with moving goods and passengers via commercial vehicles over the North American highway system and the activities necessary to regulate these operations. [12]

Commercial Vehicle Safety Alliance (CVSA)

An international organization of states, Canadian provinces and territories and Mexico, with the primary objectives of enhancing commercial vehicle safety, providing uniformity, consistency and reciprocity among its member jurisdictions who regulate commercial motor vehicle safety. [30]

Compliance Order

- . A written direction to a respondent requiring the performance of certain acts which, based upon the findings in the proceeding, are considered necessary to bring a respondent into compliance with regulations found to have been violated. [2]

Compliance Review (CR)

An on-site examination of motor carrier operations, such as drivers' hours of service, maintenance and inspection records, driver qualifications, commercial driver's license requirements, financial responsibility, accidents, hazardous materials, and other safety and transportation records to determine whether a motor carrier meets the safety fitness standard. [2]

Conviction

An unvacated adjudication of guilt or a determination that a person has violated or failed to comply with the law in a court of original jurisdiction or by an authorized administrative tribunal, an unvacated forfeiture of bail or collateral deposited to secure the person's appearance in court, a plea of guilty or nolo contendere accepted by the court, the payment of a fine or court cost, or violation of a condition of release without bail, regardless of whether or not the penalty is rebated, suspended, or probated. [2]

COVE

Commercial VEHICLE, a states project for Electronic Data Sharing of information on CV safety, credentials, and oversize/overweight information.

Crescent

A HELP demonstration project whose goals were to assess the viability of new technology (e.g., WIM, AVI) in the highway environment, improve institutional arrangements; measure the improvements to efficiency and productivity made by the HELP system and identify other applications for the technology developed under the HELP program.

Data Dictionary

A catalog of all data types, giving their names, structure, and information about data usage. Advanced data dictionaries have a direct function that enables them to represent and report on the cross-references between components of data and business models. [32]

Data Element

The smallest unit of data that has meaning in describing information; the smallest unit of named data. A data element has a specified size and format. [32]

Data Model

A logical map of data which represents the inherent properties of the data independently of software, hardware, or machine performance considerations. The model shows data items grouped into third-normal-form records, and shows the associations among those records. The term model may be contrasted with the term schema. A schema also shows a logical representation of data, but it is usually related to a type of software representation. [32]

Data Type

The size and type of a data element. An interpretation applied to a string of bits, such as integer, real, or character.

Database

A collection of interrelated data stored with controlled redundancy to serve one or more applications; the data is stored so that it is independent of programs that use the data; a common and controlled approach is used in adding new data, and in modifying and retrieving existing data within a database. [32]

Dead Reckoning AVL

Dead reckoning AVL uses a magnetic compass and odometers to track distance and direction of travel from a known starting point. Vehicle tracking must be continuous. With recalibration every 20 miles, dead reckoning AVL is accurate within 100 feet. The newest map matching systems use expert systems software to reconcile the truck's path and current location against an electronic roadmap displayed on a video screen in the truck cab. Location information can be stored onboard or transmitted to the fleet office. [29]

Department of Transportation (DOT)

A municipal, county, state, or federal agency responsible for transportation. [3]

Dolly

An auxiliary axle assembly having a fifth wheel used for converting a semitrailer to a full trailer.

Domestic Intercity Trucking

Trucking operations within the territory of the United States, including intra-Hawaiian and intra-Alaskan, which carry freight beyond the local areas and commercial zones.

Double

A combination of two trailers pulled by a power unit. Usually refers to a power unit pulling two 28' trailers.

Driver

. An occupant who is in actual physical control of a transport vehicle or, for an out-of-control vehicle, an occupant who was in control until control was lost. [21]

Driver's License

A license issued by a state or other jurisdiction, to an individual which authorizes the individual to operate a motor vehicle on the highways. [2]

Driver/Vehicle Inspection System (DVIS)

Proposed system which will contain key data on drivers and vehicles from recent inspections. [25]

Driving Time

The time spent at the driving controls while operating a motor vehicle. [2]

Educational Contact

A non-regulatory on-site review of carrier/shipper safety operations. It is advisory in nature and is conducted by state enforcement officials in states which do not have a state level CR program in force. This program is still being developed. [31]

Electronic Clearance

The process that allows commercial vehicles, whether operating intrastate or interstate, to pass a check point (e.g., weigh station) at mainline speeds without stopping to be checked for proper credentials, weight, and safety status. [35]

Electronic Data Interchange (EDI)

The exchange of routine business transactions in a computer-processable format, covering such traditional applications as inquiries, planning, purchasing, acknowledgements, pricing, order status, scheduling, test results, shipping and receiving, invoices, payments and financial reporting. [8]

Electronic Funds Transfer (EFT)

Any transfer of funds, other than a transaction originated by check draft, or other similar paper instrument, that is initiated through a computer terminal, telephonic instrument, computer, or magnetic tape to order, instruct, or authorize a financial institution to debit or credit an account. [28]

Electronic Toll Collection (ETC)

The process that allows a driver to pay tolls electronically.

Electronic Toll and Traffic Management (ETTM)

The use of AVI to electronically collect tolls, enabling vehicles to pay tolls without stopping at toll booths.

Electronics Industry Association (EIA)

Concerned with standards relating to electronic components and systems for a variety of users.

En route Transit Information

Provides travelers with real-time, accurate, transit and ride sharing information while en route to their destination. [11]

Encyclopedia

A repository of knowledge about an enterprise, its goals, entities, records, organizational units, functions, processes, procedures, and application and information systems. It is populated progressively during each stage of information engineering. [32]

Endorsement

An authorization to an individual's CDL required to permit the individual to operate certain types of commercial motor vehicles. [2]

Enterprise Model

A description of the entity types, functions, and processes that define an enterprise and its interrelationships. [32]

Entity

A person, place, thing or concept that has characteristics of interest to an enterprise. [32]

Entity-Relationship Diagram

A diagram representing entity types and the relationships between them, and certain properties of the relationship, especially its cardinality and name. [32]

Event State

State where a safety event occurred (inspection, citation, accident or any other safety event). [25]

Examination

An investigation to determine whether a person is qualified to be licensed to drive. It may include written, oral, and skills tests.

Exempt Motor Carrier

A person engaged in transportation exempt from economic regulation by the Interstate Commerce Commission (ICC) under 49 U.S.C. 10526. [2]

Fatal Accident

Any accident that results in one or more fatalities.

Fatal Accident Reporting System (FARS)

A database containing information related to fatal collisions.

Fatal Injury

Any injury that results in death.

Fatality

Any injury which results in the death of a person at the time of the motor vehicle accident or within 30 days of the accident. [2]

Federal Bridge Formula

A formula specifying axle weights and axle spacing configurations that can be accommodated by a given bridge. It was developed to prevent overstressing of highway bridges, the element of highway infrastructure most sensitive to structural damage. [29]

Federal Heavy Vehicle Use Tax (FHVUT)

A federal tax assessed by the Federal Internal Revenue Service for all vehicles over 55,000 pounds gross weight or combined gross weight. Proof of payment is required for vehicle registration, except new vehicles registered within 60 days. [34]

Federal Highway Administration (FHWA)

An agency within the U.S. Department of Transportation.

Federal Motor Carrier Safety Regulations (FMCSR)

Title 49 of the Code of Federal Regulations, parts 325,383, 385, 387, 390-399, deals with motor carrier safety regulations, including noise emission standards, CDL, and safety regulations. These federal regulations attempt to improve the safety of commercial vehicle operations by reducing the incidence of mechanical defects and use of unqualified drivers. [2]

Federal Register

The official public notice of government actions. [3]

Federal Telecommunication System 2000 (FTS 2000)

GSA initiative to create a new and improved private telecommunication network capable of handling the new technological demands of the upcoming century.

Federation of Tax Administrators (FTA)

An organization representing and addressing issues of concern to state tax administrators.

Felony

An offense under State or Federal law that is punishable by death or imprisonment for a term exceeding one year. [2]

Fifth Wheel

A device mounted on a truck tractor or similar towing vehicle which interfaces with and couples to the upper coupler assembly of a semitrailer. [2]

Fleet

Under IRP, one or more apportionable vehicles. [21]

For Hire Motor Carrier

A person engaged in the transportation of goods or passengers for compensation. [2]

For Hire Vehicle

A vehicle used to transport goods or passengers for compensation.

Freight

Any commodity being transported.

Freight Forwarder

An individual or company that accepts less-than-truckload (LTL) or less-than-carload (LCL) shipments from shippers and combines them into carload or truckload lots. Designated as a common carrier under the Interstate Commerce Act.

Frontage Road

A roadway generally paralleling an expressway, freeway, parkway, or through street designed to intercept, collect and distribute traffic desiring to cross, enter, or leave such facility and to furnish access to property which otherwise would be isolated as a result of controlled-access features. The frontage road may be within the same trafficway as the main roadway or in a separate trafficway.

Full Trailer

A trailer, other than a pole trailer, designed for carrying property and so constructed that no part of its weight rests upon or is carried by the towing road vehicle. An auxiliary undercarriage assembly, commonly known as a converted doily and consisting of a chassis, fifth wheel and one or more towbars, is sometimes used to convert a semitrailer to a full trailer.

Function

A logical collection of processes within a business segment. [32]

General Freight Carrier

A carrier which handles a variety of commodities, typically in LTL quantities and generally involves the use of terminal facilities to break and consolidate shipments.

Geographical Information System (GIS)

A computerized data management system designed to capture, store, retrieve, analyze, and report geographic and demographic information. [33]

Global Positioning System (GPS)

A government-owned system of 24 earth orbiting satellites that transmit data to ground-based receivers. GPS provides extremely accurate latitude and longitude ground positions in WGS-84 coordinates. [33]

Gross Combination Weight Rating (GCWR)

The value specified by the manufacturer as the loaded weight of a combination (articulated) vehicle. In the absence of a value specified by the manufacturer, GCWR will be determined by adding the GVWR of the power unit and the total weight of the towed unit and any load thereon. [2]

Gross Vehicle Weight (GVW)

The maximum allowable fully laden weight of the vehicle and its payload. The most common classification scheme, used by manufacturers and by states, often for both trucks and tractors. [22]

Gross Vehicle Weight Rating (GVWR)

A value specified by the manufacturer for a single-unit truck, track tractor, or trailer, or gross combined weight rating the sum of such values for the units which make up a truck combination. In the absence of a gross vehicle weight rating, an estimate of the gross weight of a fully loaded unit may be substituted for such a rating. The gross vehicle weight rating of a truck combination may be called the gross combination weight rating. [21]

Harmful Event

Occurrence of injury or damage.

Hazardous Material Transportation Uniform Safety Act

An act, passed in 1990, which requires that certain carriers and shippers engaged in the transportation of hazardous materials register with the Secretary of Transportation. The Hazardous Material Transportation Act (1974) extends the DOT's authority to regulate hazardous materials. [9]

Hazardous Material Transportation Act (HMTA)

This act mandated 13 federal rule makings and studies to deal with areas of concern, including routing of hazardous materials, changes in placarding, training for hazardous material employees, motor carrier registration and permitting and electronic data interchange. [9]

Hazardous Materials

A material or substance which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce and has been so designated. This includes radioactive material, explosives, and poisonous materials. [9]

Heavy Duty Truck

Truck with a gross vehicle weight generally more than 19,500 pounds (class 6-8). Other minimum weights are used by various laws or government agencies.

Heavy Straight Vehicle

Any single vehicle with a GVWR of 26,001 or more pounds, or any such vehicle towing a vehicle not in excess of 10,000 pounds GVWR.

Heavy Vehicle Electronic License Plate (HELP)

A multi-state, multi-national program which was established to develop and test the technologies for an integrated heavy vehicle monitoring and management system.

Hours of Service (HOS)

The hours of service that a driver has operated a vehicle.

IFTA Audit

A review of a carrier's records to verify fuel usage claims and other data supplied on IFTA tax forms.

IFTA, Inc.

A nonprofit corporation chartered for the purpose of providing information, support, and training to carriers and public administrators in implementing and operating under the provisions of the International Fuel Tax Agreement for payment of fuel taxes by commercial motor vehicles. [37]

IRP Audit

A review of a carrier's records to verify mileage figures and other data supplied by the carrier as a basis for determining registration fees and fee apportionment by IRP.

IRP, Inc.

A nonprofit corporation chartered for the purpose of providing information, support, and training to carriers and public administrators in implementing and operating under the provisions of the International Registration Plan for commercial motor vehicles. [37]

Imminent Hazard

Any condition of vehicle, employee or commercial motor vehicle operation which is likely to result in serious injury or death if not discontinued immediately. [31]

Incapacitating Injury

Any injury, other than a fatal injury, which prevents the injured person from walking, driving or normally continuing the activities the person was capable of performing before the injury occurred.

Indicia

Items issued by the Registration Agency which "indicate" registration information has been gathered and appropriate fees paid. Indicia include license plates, fuel stickers, cab cards, etc. [31]

Injury

Bodily harm to a person. This definition does not include effects of diseases such as stroke, heart attack, diabetic coma, epileptic seizure, and others.

Injury Accident

Any road vehicle accident that results in one or more injuries.

Institute of Electrical and Electronics Engineers (IEEE)

IEEE fosters development of standards within the full range of electronics and electrical engineering areas.

Institute of Transportation Engineers (ITE)

Maintains references on a variety of standards and guidelines affecting the surface transportation industry.

Intelligent Transportation Society of America (ITSA)

A Federal Advisory Committee to advise the U.S. Department of Transportation on the ITS program.

Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)

This act requires all states to participate in IFTA and IRP by September 30, 1996. Provides primary federal funding for highway programs in the US. Contains IVHS Act of 1991 (Title VI, Part B).

International Fuel Tax Agreement (IFTA)

A base state agreement among states for collecting and disbursing fuel use tax.

International Registration Plan (IRP)

A basestate agreement, mandated by ISTEA, that provides for vehicle registration reciprocity among member jurisdictions. Current members include most states and Canada. [22]

Interstate Commerce

Trade, traffic or transportation in the U.S. which is between a place in a state and a place outside of such state or is between two places in a state through another state. [2]

Interstate Commerce Commission (ICC)

A commission with the authority to regulate the interstate motor carrier industry by the Motor Carrier Act of 1935. [3]

Interstate Highway

A trafficway on the Interstate System.

Interstate Motor Carrier

A motor carrier engaged in interstate commerce whose vehicle(s) transports property or passengers between or through two or more states or other jurisdictions (see "Jurisdiction"). [16]

Interstate Operation

Vehicle movement between or through two or more jurisdictions. [22]

Intrastate Commerce

- Any trade, traffic or transportation in any state which is not in interstate commerce. [2]

Intrastate Motor Carrier

A motor carrier whose vehicle(s) transports property or passengers from one point within a jurisdiction to another point within the same jurisdiction, excluding interstate movements.

Intrastate Operation

Vehicle movement from one point within a jurisdiction to another point within the same jurisdiction. [22]

Junction

Either an intersection or the connection between a driveway access and a roadway other than a driveway access. [3]

Jurisdiction

Jurisdiction means a state territory, or possession of the United States, the District of Columbia, or a state, province, or territory of a country. [22]

Lease

A written document vesting exclusive possession, control of and responsibility for the operation of a vehicle to a lessee for a specific period of time. [22]

Less Than Truckload (LTL)

A quantity of freight less than that required for the application of a truckload rate. Usually less than 10,000 pounds.

Lessee

A person, firm, or corporation which has the legal possession and control of a vehicle owned by another under terms of a lease agreement. [22]

Lessor

A person, firm, or corporation which, under the terms of a lease, grants the legal right of possession, control of, and responsibility for the operations of the vehicle to another person, firm, or corporation. [22]

Licensing Application Migration Project (LAMP)

Combines vehicle database and driver's license database. [28]

Light Trucks

. Trucks under 10,000 pounds gross vehicle weight rating (e.g., pickups, vans, truck-based station wagons, and multi-purpose vehicles).

Long Term Lease

Any lease written for a period exceeding 29 consecutive days. [22]

Mainline Automated Clearance System (MACS)

A demonstration project that allows transponder-equipped trucks to travel the entire length of I-75 and Highway 401 at mainline speeds with no more than one stop at an inspection station and still verifying weight compliance and credential status. It is part of Advantage I-75. [5]

Median

The portion of a divided highway or guideway that separates the opposing flows of traffic. [3]

Medium and Heavy Trucks

Trucks over 10,000 pounds GVWR, including single-unit trucks, tractor-trailer combinations, trucks with cargo trailer(s), and truck-tractors pulling no trailer.

Metropolitan Planning Organization (MPO)

The organization designated by the governor and local elected officials as responsible, together with the state, for transportation planning in an urbanized area. [3]

Motor Carrier

A person (an individual, partnership, association, corporation, business trust, or any other organized group of individuals) which is responsible for the safety fitness of a commercial motor vehicle engaged in commerce on roads and highways. [25]

Motor Carrier Management Information System (MCMIS)

A central repository of comprehensive safety data on interstate motor carriers maintained by the FHWA OMC.

Motor Carrier Safety Assistance Program (MCSAP)

A program established to get potentially unsafe drivers and imminently hazardous vehicles off the road by increasing the level of safety enforcement activity.

Motor Vehicle

Any vehicle, machine, tractor, trailer or semitrailer propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property.

Motorist

Any occupant of a motor vehicle in transport.

Multi-Jurisdictional Oversize and Overweight Organization

An organization of **10** states (Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Missouri, Minnesota, Ohio, and Wisconsin) that promotes standard oversize weight permitting and enforcement. [29]

National Cooperative Highway Research Program (NCHRP)

A program established by AASHTO to provide a mechanism for a national coordination program of cooperative research employing modern scientific techniques. [3]

National Driver Register (NDR)

A national repository of state submitted data about adverse actions applied to a driver's record. Updated information is returned to the states.

National Governors' Association (NGA)

An organization whose members are the governors of each state in the United States of America. It serves as a vehicle through which governors influence the development and implementation of national transportation policy. [26]

National Highway Traffic Safety Administration (NHTSA)

A branch of the U.S. DOT responsible for overseeing and improving safety and standards in the United States.

National Incident Management Coalition (NIMC)

A program created to serve as a focus for consensus building, and for promotion and wider implementation of incident management programs.

National Law Enforcement Telecommunication System (NLETS)

A store and forward computer controlled message switching system which links together state, local and federal law enforcement and criminal justice agencies for the purposes of information exchange. [10]

National Motor Vehicle Title Information System (NMVTIS)

An information system allowing users to check the validity, and status of title documents, check vehicles titled in other jurisdictions, check salvage and junk vehicles, review odometer readings and review information reported by salvage yards and insurance companies. The system is being developed to support the requirements of the Anti-Car Theft Act of 1992 and must be operational by 1 January 1996. [38]

National Private Truck Council (NPTC)

An association of corporations that operate their own trucking fleets. [28]

National Transportation Safety Board (NTSB)

An independent agency of the federal government whose responsibilities include investigating transportation accidents and conducting studies, and making recommendations on transportation safety measures and practices to government agencies, the transportation industry, and others. [3]

New England Transportation Consortium (NETC)

A consortium of New England States including Maine, New Hampshire, Massachusetts, Connecticut, and Vermont which enables carriers moving oversize and overweight vehicles to obtain one permit for travel in all states participating in the NETC. [13]

Non-Regulated Trucking

A carrier that is exempt from economic regulation, e.g., exempt agricultural shipments.

North American Free Trade Agreement (NAFTA)

An agreement establishing a free trade area between Canada, Mexico, and the United States, which provides for the phase out of restrictions on cross-border land transportation services. [27]

Notice Of Investigation (NOI)

Notice to a respondent (motor carrier) that the FHWA has discovered safety regulation violations which may require a compliance order and/or a monetary penalty. [31]

Occupant

Any person who is part of a transport vehicle.

Office of Motor Carriers (OMC)

This is a division of the U.S. Department of Transportation's (USDOT) Federal Highway Administration (FHWA). OMC is responsible for issues concerning the nation's motor carrier industry and is organized as follows:

Headquarters - OMC's main office is at the USDOT building in Washington, D.C.

Regional - There are nine OMC regions in the United States. Regional offices report to headquarters.

Division - Each state has a division office which works closely with state motor carrier safety and registration officials. Division offices report to the Regional offices. [25]

Office of the Secretary of Transportation (OST)

- An agency responsible for providing policy development and program oversight as well as coordination among various DOT agencies. OST is also responsible for reviewing proposed budgets, evaluation, legal issues, and initiating research. [14]

On-Board Computer (OBC)

Special purpose micro computers that are attached to sensors that record vehicle and driver attributes.

On-Board Safety Monitoring

The systems that provide for sensing the safety status of a vehicle, cargo, and driver at mainline speeds.

On-Duty Time

On-duty time starts when the driver begins work or must be ready for work, and ends when the driver is relieved of all responsibility. On-duty time includes all time spent driving, loading and unloading, preparing accident reports and attending to the operation of a vehicle. It also includes meals and coffee breaks. [2]

One-Stop Shopping

Refers to the ability to obtain all required tax and regulatory credentials from a single source.

Operating Authority

Specifies the products a carrier may haul and where it may haul them. The legal permission required by a carrier to haul goods from one point to another. [16]

Operating Expenses

The costs of handling traffic, including both direct costs, e.g., driver wages and fuel, and indirect costs, e.g., computer expenses and advertising, but excluding the interest expense.

Operations Out of Service Order

The official document or declaration used by FHWA or state enforcement officials to order a motor carrier, driver or vehicle to cease operations for imminent hazard conditions. [3 1]

Operator

With respect to motor vehicles, every person, other than a chauffeur, who is in actual physical control of a motor vehicle on a highway.

Other U.S. Route Numbered Highway

- . A trafficway numbered by the American Association of State Highway and Transportation Officials (AASHTO), but not an interstate highway.

Out of Service Driver

A driver who can no longer operate a vehicle because of being on duty over the maximum periods permitted by the Code of Federal Regulations. [2]

Out of Service Vehicle

A vehicle which cannot be operated because the vehicle is in such a condition as to likely cause an accident or breakdown. [2]

Out of Service Violation

Any violation of the Federal Motor Carrier Safety Regulations which results in a vehicle out of service condition. [2]

Oversize/Overweight Permit

A special permit that is issued for vehicles operating outside the statutory limits set for size and weight.

Overtaking Accident

A road vehicle accident in which the first harmful event is the overturning of a road vehicle.

Owner

The entity listed as the owner of a vehicle. [21]

Owner-Operator Independent Driver Association (OOIDA)

A national trade association that serves the interest of independent owner/operators. [28]

Owner/Operator

An equipment lessor who leases his vehicular equipment with driver to a carrier. [22]

Passenger

Any occupant of a road vehicle other than its driver.

Piggyback

- The transportation of highway trailers or removable trailer bodies on rail cars specifically equipped for the service. It is essentially a joint carrier movement in which the motor carrier forms a pickup and delivery operation to a rail terminal, as well as a delivery operation at the terminating rail head.

Port of Entry (POE)

A roadside site used to monitor and regulate trucks using state highways with respect to weight, size, safety and possibly weight distance taxation. [15]

Port of Entry Advanced Sorting System (PASS)

An operational test of WIM, AVI, AVC, OBC, and two way communication systems to pre-clear trucks on mainline I-5 at Ashland (Oregon) port of entry.

Possible Injury

Any injury reported or claimed which is not a fatal injury, incapacitating injury or nonincapacitating evident injury.

Power Unit

The control and pulling vehicle for trailers or semitrailers.

Pre-Trip Travel Information

A user service that will provide travelers with information before their departure and before the mode choice is made.

Principal Place of Business

A single location designated by the motor carrier, normally its headquarters, where records will be maintained. [16]

Private Carrier

A person, firm, or corporation which uses its own trucks to transport its own freight. [22]

Problem Driver Pointer System (PDPS)

A central repository of information regarding problem drivers throughout the country. Its primary function is to support the driving license issuing process.

Process

- A repetitive, well-defined set of logical tasks that support one function, can be defined in terms of inputs and outputs, and have a definable beginning and end. Processes can be decomposed into processes and are triggered by an event and carried out by a business segment to achieve a stated purpose. A low-level process may be replicated across the business segment. [32]

Profile (see Report)**Public Service Commission (PSC)**

A state agency whose responsibilities include regulation of for-hire (public and private) carriers of passengers and goods within a state. [3]

Public Utility Commission (PVC)

A state agency whose responsibilities include regulation of for-hire (public and private) carriers of passengers and goods within a state. [3]

Radio Determination AVL

Radio determination AVL uses radio signals to measure the distance between a truck and two or more known points; location is calculated by triangulation. Government radio determination systems use one-way radio signals: the Loran-C system transmits from a network of ground towers; and the NavStar Global Positioning system (GPS) uses a network of satellites. Trucks can be equipped with receivers and computers to decode the signals and calculate location, or data can be transmitted to a central computer for processing. Vehicle tracking can be continuous or intermittent. Loran-C is accurate within several thousand feet and GPS within several hundred feet. Location information can be stored onboard or transmitted to the fleet office. [29]

Ramp

An auxiliary roadway used for entering or exiting mainline highway facilities.

Reciprocity Agreements

Agreements between states allowing for the reciprocal granting of equivalent rights and/or privileges to properly credentialed vehicles. [16]

Regional Automated Permit Processing (RAPP)

Pilot project which generated a central shared database enabling participating states to track permits and check credentials. [29]

Regional Fuel Tax Agreement (RFTA)

A base state agreement entered by Maine, Vermont, New Hampshire to administer interstate fuel tax.

Registered Weight

The weight for which a vehicle is licensed or registered within a particular jurisdiction. [22]

Registrant

A person, firm, or corporation in whose name or names a vehicle is properly registered. [22]

Registration Agency

A governmental organization which gathers registration information, collects registration fees and issues indicia (plates, stickers, cab cards, etc.) for commercial motor vehicles.

Registration State

A state in which a motor carrier has registered its vehicles for operation. [25]

Regulated Motor Carrier

A carrier subject to economic regulation by the Interstate Commerce Commission.

Reinstatement

Restoration of driving privilege or credential following suspension or upon renewal after expiration (within the grace period).

Report (formerly profile)

A more detailed expansion of the information in a snapshot. A report provides the same kind of information as in a snapshot, but at a more detailed level (e.g., specific inspection data, accident records, events).

Research and Special Program Administration (RSPA)

An agency responsible for developing and researching transportation system approaches and technologies with intermodal impacts, including the development and implementation of telecommunication and radio navigation policy. [14]

Revocation

In most jurisdictions, revocation of a credential terminates the privileges granted by that credential. At the end of a specified revocation period, reapplication for the credential is usually allowed.

Road

That part of a trafficway which includes both the roadway and any shoulder alongside the roadway.

Roadside

The part of the trafficway between the outer edge of the shoulder and the edge of the trafficway; off the road, but inside the trafficway and not part of the median.

Roadside Inspection

An inspection of a commercial vehicle or driver that occurs at the roadside.

Roadway

That part of a trafficway designed, improved, and ordinarily used for motor vehicle travel or, where various classes of motor vehicles are segregated, that part of a trafficway used by a particular class. Separate roadways may be provided for northbound and southbound traffic or for trucks and automobiles. Bridle paths and bicycle paths are not included in this definition. [3]

Rocky Mountain Double

A combination vehicle consisting of a tractor, a 45 to 48 foot semitrailer and a shorter 28 foot semitrailer.

Rural Area

Any area not within urban areas.

SAFETY-NET

A distributed system for managing safety data on both interstate and intrastate motor carriers and for the Federal and State offices to electronically exchange data on interstate carriers with MCMIS.

Safety State

The state of the motor carrier's principal place of business for safety as indicated on the MCS-150 form. This is the place where safety records are maintained. [25]

Safety and Fitness Electronic Records (SAFER)

An on-line system that will be available to users over a nationwide data network which will return a standard carrier safety fitness record to the requester within a few seconds. [3 1]

Selective Compliance Enforcement (SCE)

A program used by FHWA to prioritize carriers for participation in compliance reviews based on commodity transported, annual carrier mileage, months since last review, vehicle OOS rate, driver out of service rate, preventable recordable accident rate, and general safety fitness rating. [18]

Semitrailer

A trailer, other than a pole trailer, designed for carrying property and so constructed that part of its weight rests upon or is carried by the towing road vehicle. A truck trailer equipped with one or more axles and constructed so that the front end rests upon a truck tractor.

Shared Road

Any bikeway which is part of a roadway, but not a bicycle lane.

Shoulder

That part of a trafficway contiguous with the roadway for emergency use, for accommodation of stopped road vehicles, and for lateral support of the roadway structure.

Single State Registration System (SSRS)

A base state agreement for administering operating authority.

Smart Card

Plastic cards with an embedded integrated circuit chip containing memory and microprocessor.

Snapshot (also see Report)

A condensed collection of safety and summary level information pertaining to: who a carrier is, where the carrier is based, his basic type of operation, and the carrier's safety rating and safety record.

Society of Automotive Engineers (SAE)

A society which advances international standards pertaining to the automotive manufacturing industry.

Southern Association of State Highway and Transportation Officials (SASHTO)

An organization started in 1993 to adopt a multi-state oversize/overweight agreement for its member states.

Specialized Carrier

A trucking company franchised to transport articles which, because of size, shape, weight, or other inherent characteristics, require special equipment for loading, unloading or transporting.

State Entry Beacon (SEB)

A fixed position controller, also called a reader, its associated transmit and receive antennas, modulation/demodulation hardware and software which are located at the state border. [20]

State Route Numbered Highway

A trafficway within a state trafficway system, but not an interstate highway or other U.S. route numbered highway.

State of Domicile

The state in which a carrier maintains its headquarters.

Straight Truck

A vehicle with its cargo body and tractor mounted on the same chassis.

Tag Number

A vehicle's license plate number, including state, of a vehicle.

Tank Vehicle

Any commercial motor vehicle that is designed to transport any liquid or gaseous materials within a tank that is either permanently or temporarily attached to the vehicle or the chassis. [2]

Technical Performance Measure

A quantitative expressing some measurable, technical characteristic of a system which is the key to the effectiveness of the system.

Telecommunications Industry Association (TIA)

An industry organization that promotes telecommunications standards.

Temporary Trip Permit

Temporary travel permits, valid for two to ten days, allowing a vehicle to travel in a jurisdiction where a carrier does not have a permanent registration permit.

Third Structure Tax

- . * Any tax on road users other than registration fees or fuel taxes. See, for example, ton-mile tax and weight-distance tax.

.Ton Mile Tax

A per-mile tax, calculated by determining the ratio of actual vehicle gross weight to the sum of actual miles traveled at that weight. A weight distance tax, which is similar, bases the tax on registered (instead of actual) gross vehicle weight. [16]

Total Distance

For IRP, the total number of miles operated by a fleet of proportionally registered vehicles in all jurisdictions during the preceding year. [22]

Tractor

- . A self-propelled motor vehicle designed and/or used primarily for drawing other vehicles. [2]

Tractor Semitrailer

A combination vehicle consisting of a power unit (tractor) and a semitrailer.

Traffic Unit

A road vehicle or a pedestrian.

Trailer

A road vehicle designed to be drawn by another road vehicle. [2]

Transparent Borders

The ability of commercial vehicles to travel unimpeded across state borders.

Transponder

An electronic tag carried by a motor vehicle that has electronically stored information that can be retrieved by a roadside reader.

Transportation Computer Center (TCC)

Houses the mainframe computer system used by the Department of Transportation, MCMIS resides on this mainframe. [19]

Transportation Operation Coordination Committee (TOCM)

A group of 15 transportation and public safety agencies that manages regional traffic for heavily traveled New York/New Jersey/Connecticut corridor.

Transportation Research Board (TRB)

Under direction of National Academy of Science's National Research council, it stimulates, correlates and makes known the findings of transportation research.

Trip

The period during which a vehicle is continuously travelling from its point of origin to its destination. The vehicle may stop for short periods during the trip without causing discontinuation of the trip if no change occurs in the loaded weight.

Trip Ticket

An electronic ticket stored on the transponder which contains trip related information such as the carrier, vehicle, driver and transponder IDs, commodity code, weight measurements, date/time/location and results of last clearance event. The trip ticket is transmitted during DSRC between vehicle and roadside reader equipment.

Truck

A motor vehicle designed to carry an entire load. It may consist of a chassis and body, a chassis, cab and body, or it may be of integral construction so that the body and chassis form a single unit.

Truck Combination

A truck consisting primarily of a transport device which is a single-unit truck or truck tractor with one or more attached trailers.

Truck Tonnage

The weight of freight, measured in tons, transported by a truck.

Truck Tractor

A motor vehicle consisting of a single motorized transport device designed primarily for drawing trailers.

Truckload

Quantity of freight required to fill a truck. When used in connection with freight rates, the quantity of freight necessary to qualify a shipment for a truckload rate, usually over 10,000 pounds.

Turnpike Double

A combination vehicle consisting of a tractor and two trailers of 45 to 48 feet.

Twin Trailer

. A short semitrailer (under 29') designed to be operated as part of a combination vehicle with a tandem trailer of similar length.

Unified Carrier Register

A national system that will allow for registering carriers and issuing US DOT numbers. It will maintain census information on carriers that are authorized to operate in the United States. The concept for this system is being developed. The UCR is intended to replace the current systems used for assigning DOT numbers, assigning ICC numbers, implementing the Single State Registration System (SSRS), and tracking financial responsibility.

Unladen Vehicle Weight

The weight of a vehicle fully equipped for service, not including the weight of its payload.

Unrated Carrier

A motor carrier without an assigned safety rating from the FHWA. [2]

Vehicle Identification Number (VIN)

A unique combination of alphanumeric characters affixed to one vehicle in specific locations and formulated by the manufacturer. [21]

Vehicle Information System for Tax Apportionment (VISTA)

A software system developed by Lockheed Information Management Systems for calculating transactions among states based on reporting by carriers.

Vehicle Title Information Exchange (VTIE)

A system to enable the exchange of title information about specific vehicles to verify that titles are valid and detect altered or fraudulent documents. [6]

Vehicle to Roadside Communication (VRC)

A means to deliver messages between moving vehicles randomly entering a communications zone and a fixed roadway infrastructure for both wide area communication and large based applications. [20]

Vehicle-Mile

A measurement of the total miles traveled by all vehicles in an area. Generally applied to intercity movements only.

Violation

A violation of the Federal Motor Carrier Safety Regulations assigned to a vehicle as part of an inspection.

Washington Trucking Association (WTA)

A non-profit trade association in existence since 1922. It consists of fourteen hundred members from common carriers, private carriers, movers, logging truckers, bulk carriers, heavy haul carriers, and suppliers. [28]

Weigh-In-Motion @VIM)

Measures dynamic axle weight at highway or slower speeds. Weigh-In-Motion refers to various technologies that enable vehicle weights to be determined without the need for a vehicle to physically stop on a scale.

Weight-Distance Tax

A tax based on a tax rate for the number of miles traveled and the weight of the vehicle. Total tax liability is calculated by multiplying the tax rate for the weight times miles traveled.

Western Association of State Highway and Transportation Officials (WASHTO)

A consortium of 17 states chartered primarily to provide uniform formulation and administration of size and weight regulations. [28]

Western Regional Agreement (WRA)

An agreement among several western states that allows a motor carrier to purchase a single trip permit for a moderate oversize or overweight load. This permit is valid in any of the participating states. [16]

Document Comment and Evaluation Form (Optional)

So that we may improve the usefulness of JHU/APL documents, you are encouraged to comment on this report.

Responding
Activity:

Applicable Document:

Document Issue Date:

Date This Form Prepared:

Circle One Number or Dash Showing Gradation:

- Was the document informative and did it provide useful conclusions and recommendations?
5 - - - 4 - - - 3 - - - 2 - - - 1
Extremely Informative Somewhat Not at all Informative
- How was the level of detail?
5 - - - 4 - - - 3 - - - 2 - - - 1
Too Detailed About Right Too General
- How well was the document organized and was it easy to read?
5 - - - 4 - - - 3 - - - 2 - - - 1
Excellent Good Satisfactory Poor Unacceptable
- Did the document contain an appropriate number of figures and tables?
5 - - - 4 - - - 3 - - - 2 - - - 1
Too Many About Right Too Few
- How was the length of the document?
5 - - - 4 - - - 3 - - - 2 - - - 1
Too Long About Right Too Short

- In general, how well did this document satisfy your needs?

5 - - - 4 - - - 3 - - - 2 - - - 1
Extremely Well Very Well Satisfactorily Poorly Unacceptably

Yes No

- Was the document received in the time promised? (If not, please note time received and details below.)

- Is an address change necessary? (If so, please mark up address or enter new address/addressee below.)

- Remove my name from distribution; document is no longer needed. ☐

You can expand upon your responses to the above questions, and/or provide additional comments/suggestion for improvement in the space provided below (use additional sheets as necessary).

Comments/Questions/Recommendations:

Page No. — Section/Paragraph (if applicable)

Page No. — Section/Paragraph (if applicable)

Please prepare as UNCLASSIFIED and mail or FAX to:

Kim E. Richeson

The Johns Hopkins University
APPLIED PHYSICS LABORATORY
Johns Hopkins Road
Laurel, Maryland 20723-6099
APL FAX: (301) 953-5790



Prepared by: _____

(Please sign your name)

Your telephone or FAX number: _____

Would you like us to respond directly to your comments?

Yes - Via: Phone/FAX/E-MAIL/Letter (Circle one)

No



FHWA-JPO-97-011