



Traffic Incident Management for the Baltimore Region (TIMBR) Committee

March 1, 2023



Agenda

1. WELCOME AND SELF-INTRODUCTIONS (5 min.)

2. REVIEW OF MINUTES FROM DECEMBER 7, 2022 (5 min.)

3. TIM TECHNOLOGIES (30 min.)

The group will discuss interest in TIM technologies that will be highlighted in FHWA Everyday Counts Round 7, which includes the following: Unmanned Aerial Systems for TIM; Debris removal, lighting and markings; advance warning; emergency vehicle signal preemption; and EMS post-crash care. This [video](#) provides an introduction to these technologies.

4. STATE AND LOCAL TIM UPDATES (30 min.)

- State TIM Updates
- Local TIM Updates
- Training on Electric Vehicle fire risk/suppression
- TIM Training updates
- Upcoming planned and special events

5. OTHER BUSINESS (5 min.)

- 2023 meetings: June 7, September 6, December 6 (First Wednesday quarterly unless changed)

3. TIM Technologies

- Technologies highlighted in FHWA Everyday Counts 7 (EDC7) Next-Generation TIM Innovation
 - Overview [video](#) of these technologies.
- Is there interest in using these technologies in the region?



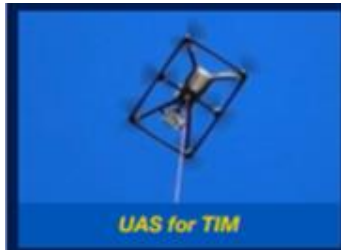
All photos: Enforcement Engineering unless otherwise noted.

Examples from EDC7 TIM Technologies Fact Sheet

- ▶ The Indiana Department of Transportation (DOT) has reduced “hard braking” near roadway queues by deploying queue warning trucks equipped with truck-mounted attenuators, arrow boards, and digital alert systems to warn approaching motorists of dangers ahead.



- ▶ The New Jersey DOT uses in-cab electronic logging devices to deliver real-time alerts to trucks and other commercial motor vehicles operating in areas near traffic slowdowns, work zones, and bad weather conditions.



- ▶ The Washington State Patrol has reduced the time needed to measure, map, and photograph serious crash scenes by 70 percent with the use of UAS.
- ▶ The North Carolina DOT's Incident Management Assistance Patrol (IMAP) program is using tethered UAS that can fly 150 feet above incident scenes and provide video to the regional Traffic Management Center and responders on the scene, increasing safety for both responders and approaching drivers. In addition, arrow boards on IMAP vehicles can detect which lane is closed and publish alerts to mapping and navigation providers to pass on to users.

- ▶ The Pennsylvania Turnpike has installed specialized push bumpers on the front of service patrol and maintenance vehicles to effectively move roadway debris without the need for operators to leave their vehicle.



- ▶ The Illinois State Police uses emergency lighting systems that interface with the vehicle controller area network to change emergency light color, intensity, and pattern based on vehicle settings like motion, braking, and ambient lighting.
- ▶ Safety Service Patrols in Missouri are using channelizing devices that synchronize and light sequentially to direct drivers approaching incident scenes where a lane closure is present.

4. TIM Updates

- State TIM Updates
- Local TIM Updates
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TIM Training Updates

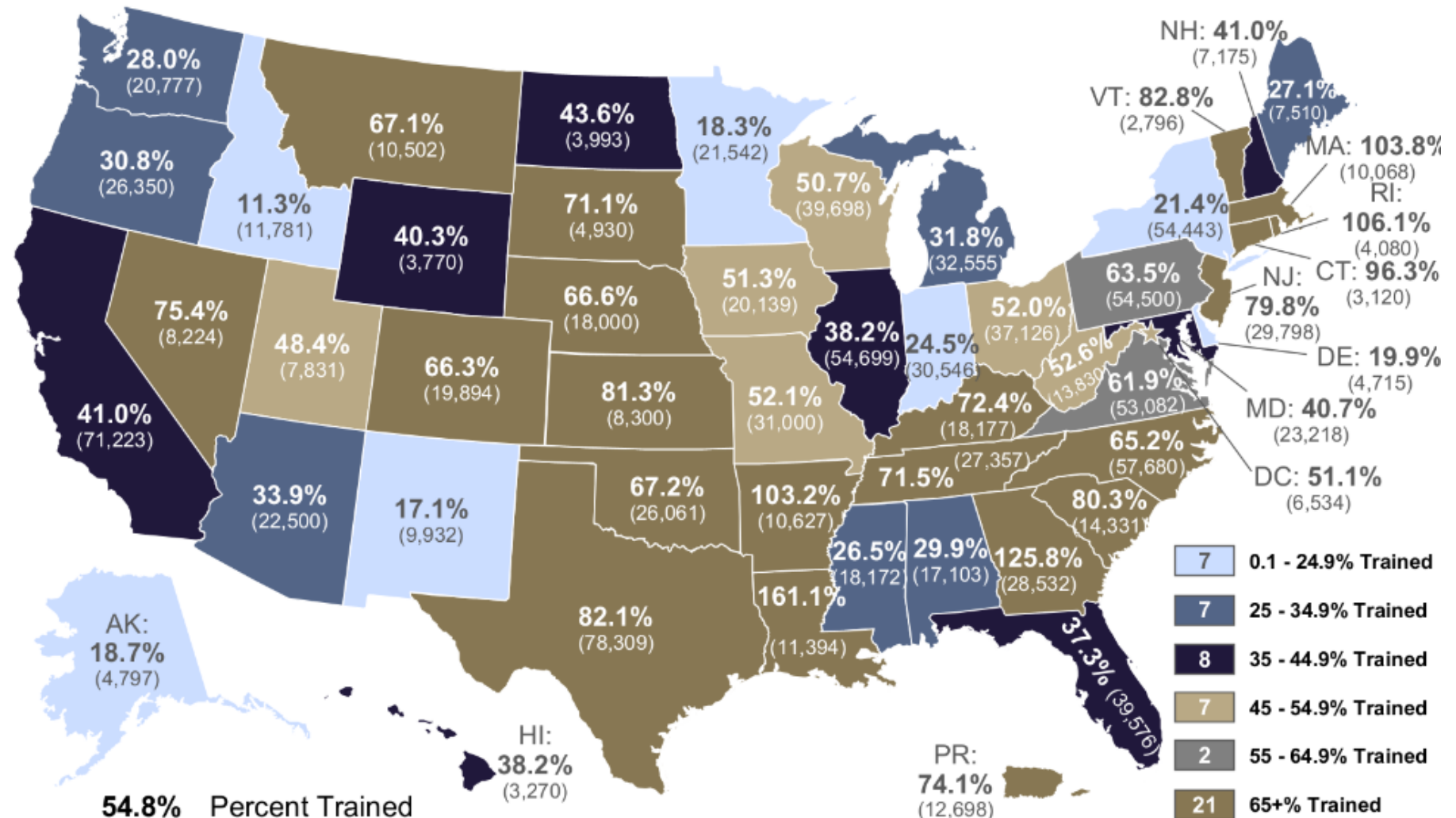
TIM Training Program Implementation Progress Percent Trained – Goal of 55% - As of February 13, 2023

States Mandating TIM Training:

TX – LE
Fire / Rescue
Ky – EMS
GA – EMS

LE Tow LIST

TN
VA
NJ
CA
AZ
OK
IL



54.8% Percent Trained

(1,162,375) Total Responders To Be Trained

TIM Training Update

	Train-the-Trainer		Responder Training			Web-Based Training	Total Trained		Training Progress		
Date	Number of Sessions	Total Trained	Number of Sessions	Total Trained	Last Training Date		Number	Rank	Responders To Be Trained	Percent Trained	Rank
3/23/2020	13	294	360	6,926	02/19/20	713	7,933	22	23,218	34.2%	33
2/15/2021	14	300	377	7,197	12/10/2020	1,018	8,515	22	23,218	36.7%	31
2/14/2022	15	311	398	7,482	12/16/2021	1,261	9,054	24	23,218	39.0%	32
2/13/2023	15	315	423	7690	1/17/2023	1456	9461	25	23,218	40.7	34

5. Other Business

- Suggestions for presentations/discussions at future meetings
- 2023 meetings:
 - June 7
 - September 6
 - December 6