

INTRODUCTION TO EDC 7 NEXT GENERATION TIM INITIATIVE



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EDC TIM related Innovations adopted by PRHTA

- EDC 2 (2013-2014) – National Traffic Incident Management Responder Training
- EDC 4 (2017 – 2018) – Using Data to Improve Traffic Incident Management
- EDC 5 (2019-2020) – Crowdsourcing for Operations
- EDC 6 (2021-2022) – Next Generation TIM: Integrating Technology, Data and Training
- EDC 7 (2023-2024) – Next Generation TIM: Technology for Saving Lives



Reference: PRHTA

EDC 2 – National Traffic Incident Management Responder Training

- Focus on Safe, Quick Clearance at Traffic Incident Scenes
- PR Training Stats:
 - 5 Train-the-Trainer Sessions (3 state-led)
 - 427 training sessions
 - 9,000+ responders trained
 - Institutionalized in Police and Fire Academies

<https://www.fhwa.dot.gov/innovation/everydaycounts/edc-2.cfm>



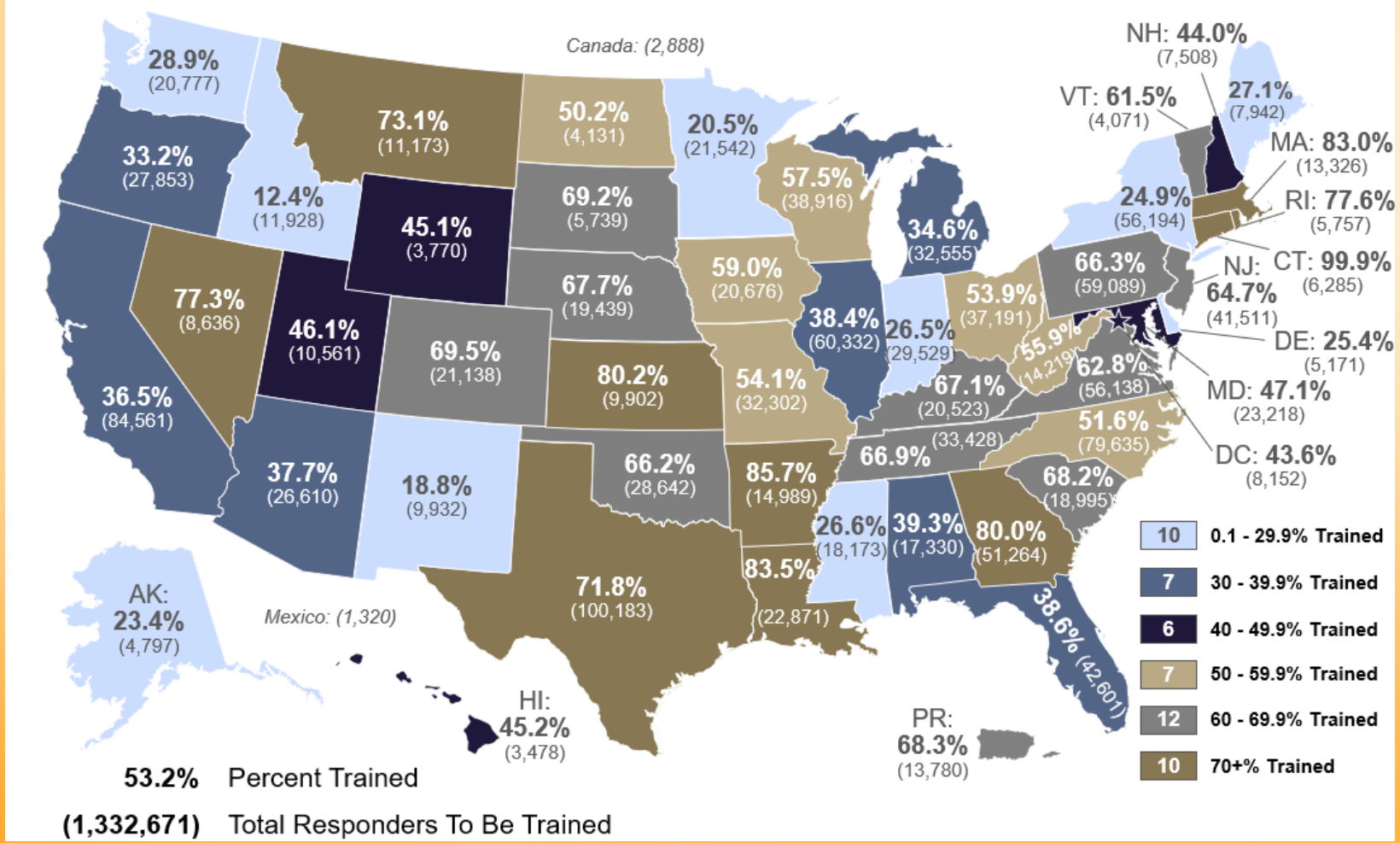
Reference: PRHTA



TIM Training Program Implementation Progress

Percent Trained – Goal of 60%

- As of March 25, 2024



Reference: FHWA



EDC 4 – Using Data to Improve Traffic Incident Management

- Promoted the use of low-cost technologies to collect data to help agencies enhance TIM Programs.
- Adoption of three key national TIM performance measures:
 - Roadway clearance time
 - Incident clearance time
 - Secondary crashes
- Quantify program performance, demonstrate effectiveness, and improve planning and resource management.



Innovation Spotlight | Using Data to Improve Traffic Incident Management |

The Puerto Rico Highway and Transportation Authority (PRHTA) improved TIM data collection, use, and reporting during EDC-4. An application to support safety service patrol operations enables personnel to easily input key TIM data elements, including secondary crashes. The agency uses the data to support decisions, including resource allocation and incident hot spot countermeasures, and identify special circumstances, such as the need for more towing time. PRHTA also uses the data to support policies, propose legislation, and review lessons learned with TIM stakeholders. New safety service patrol dashboards help decision makers understand trends and performance by facility and services, including incidents per day, incidents per road, incident type, services provided, and average response times.

https://www.fhwa.dot.gov/innovation/everydaycounts/reports/edc4_final/

<https://www.fhwa.dot.gov/innovation/everydaycounts/edc-4.cfm>

EDC 4 – Using Data to Improve Traffic Incident Management

EDC – 4 Puerto Rico project – Development of mobile application for SEGURO Program data collection

- Location
- Timeline
- Type - crash, disabled vehicle, other
- Construction Zone?
- Need Tow?
- Secondary Incident



Reference: PRHTA

EDC 5 – Crowdsourcing for Operations

- Promoted the use of transportation systems user generated data for traffic operations.
- Supplements data collected by agency owned devices.
- Help agencies improve incident detection, traveler information, and otherd operational programs.



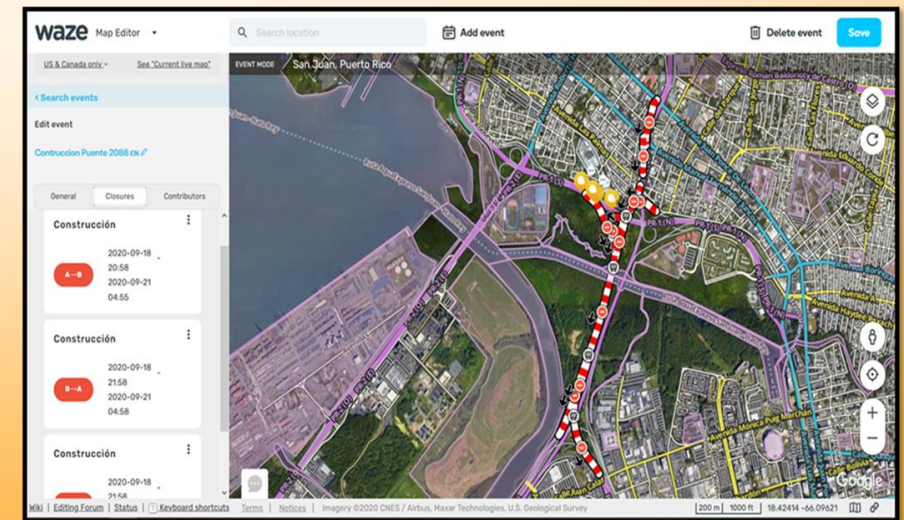
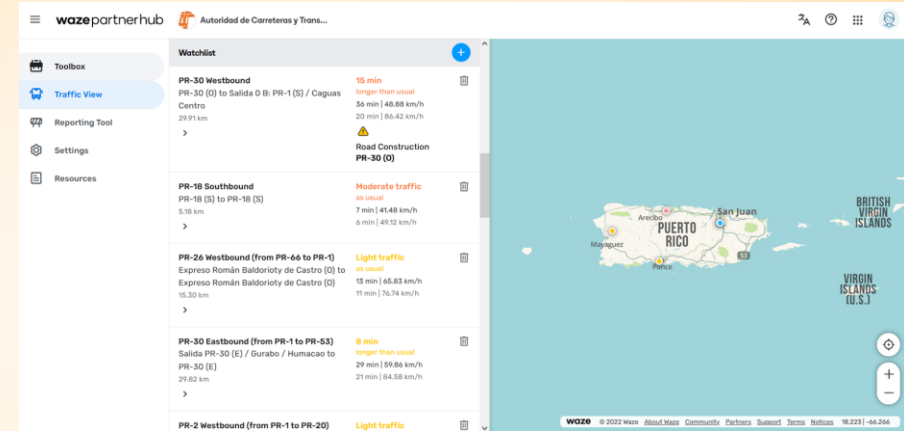
Reference: PRHTA

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_5/

EDC 5 – Crowdsourcing for Operations

EDC – 5 Puerto Rico project – Use of Waze for Cities for traffic incident detection and traveler information.

- Waze for Cities Agreement (July 2019)
- Integration between SunGuide ATMS and Waze
- Provided access to Waze tools
 - Road Closure
 - Traffic View
 - Automatic posting of confirmed incidents in Waze
 - Access to Google Cloud data



Reference: Waze

EDC 6 – Next-Generation TIM: Integrating Technology, Data, and Training

- Promoted the use of technology to expand the capture of incident capabilities.
- Use of Computer Aid Dispatch (CAD) from public safety agencies to identify traffic incidents.
- Sharing CCTV video feed with other stakeholders to improve incident detection and traveler information dissemination.
- Benefits include traveler and responder safety, improved trip reliability, improve public safety resource management.



EDC – 6 Puerto Rico projects:

1. **Development of CAD dashboard from CEMPR for use at the TMC**
2. **Video-sharing of PRHTA CCTV cameras with the DSP and media**
 - Use STIC funds to purchase video-sharing software

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_6/nextgen_tim.cfm

EDC 7 – Next-Generation TIM: Technology for Saving Lives

- Promotes the use of technology to:
 - Reduce the exposure of responders by clearing incidents more quickly
 - Inform roadway users about incidents ahead helping them avoid or navigate around incident locations
 - Time reduction for the mapping of crash scenes by using UAS
- Technologies adopted by PRHTA:
 - **Debris Removal System** - LaneBlade
 - **Advanced Warning** - DMS on all safety service patrol
 - **Advanced Warning** - Pi-lit



Reference: PRHTA



Reference: <https://pi-lit.com/>

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_7/nextgen_tim.cfm

EDC 7 – Next-Generation TIM: Technology for Saving Lives

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