

# Connected Work Zone Standardization Project

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# Connected Work Zone Standardization History

- Work Zone Data Exchange (WZDx) Specification
  - Multiple versions of the spec lead by a cohort of data producers and consumers
  - Microgrants to stand up feeds by data producers
  - Robust stakeholder participation
- Spec to Standard
  - USDOT to fund an effort to take the WZDx spec through a formal systems engineering process to develop the Connected Work Zone Standard
  - All WZDx participants invited to join the process
  - Working Group Voting Members carefully curated to have balanced representation.

# Connected Work Zone Schedule

- Task order awarded to ITE in August 2022 to develop the CWZ standard.
  - Stakeholder participation letter send Oct 2022.
  - ConOps March 2023
  - SyRS June 2023
  - System Design Sept 2023
  - User Comment Draft Dec 2023
  - pRS March 2024
- Will be part of the Connected Transportation Interoperability (CTI) family of standards.

# CWZ Standard proposed Recommended Standard

- **March**

- Held the Working Group meetings to review UCD comments, resolution, pRS, and to vote acceptance of the pRS. (3/28 @11 am and 3/29@10:30 am ET).
- The proposed Recommended Standard (pRS) was approved as a Recommended Standard with 7 Yes Vote,
  - except ONE specific comment related to the business rule #1.

- **April**

- Meet with the CWZ volunteer group to resolve the pRS comment on April 12
  - There wasn't interest in any significant change to the standard or its data structure, so we developed a much simpler (both to document and to implement) proposal that adds a "grouping" concept in addition to the current related road event structure and clarifies BR#1/3.2.4.1. We also added a few new needs to capture the discussion that led to these recommendations

- **May**

- Plan to meet with the WG May 3 for final resolution of the pRS comment.

# Next Steps

- Ballot CWZ standard once pRS comments are resolved
- Set up a task force to ensure that the CWZ standard aligns with other CAV standards such as SAE 2945/X group.
- Develop implementation guide for interoperability
- Verification and validation of standard and implementation guide
  - Revise guide and standard based on Validation Report
- CWZ Reference Implementation

# Participation open to ALL!

- Participation in the continuing CWZ initiative
  - One open voting member slot from the Public Sector.
  - [standards@ite.org](mailto:standards@ite.org)
- Technical support for any CAV activities
  - [CAVSupportService@dot.gov](mailto:CAVSupportService@dot.gov)