

Cybersecurity Framework Profile for Connected Vehicle Environments- Additional Resources

The basic components of the CSF include the Framework Core, the Framework Implementation Tiers, and the Framework Profile. For more in-depth information about these components, visit NIST's website <https://www.nist.gov/cyberframework>.

Executive Order (EO) 13636 Improving Critical Infrastructure Cybersecurity directed NIST to work with stakeholders to develop a voluntary framework – based on existing standards, guidelines, and practices - for reducing cyber risks to critical infrastructure.

<https://obamawhitehouse.archives.gov/the-press-office/2013/02/12/executive-order-improving-critical-infrastructure-cybersecurity>

NIST's "Framework for Improving Critical Infrastructure Cybersecurity," version 1.1.

<https://nvlpubs.nist.gov/nistpubs/CSWP/NIST.CSWP.04162018.pdf>

Webcast: Cybersecurity Framework Version 1.1 Overview <https://www.nist.gov/news-events/events/2018/04/webcast-cybersecurity-framework-version-11-overview>

Information about NIST's National Cybersecurity Center of Excellence-

<https://www.nccoe.nist.gov/>

Specific controls for each subcategory and/or gap can be found in the informative references section of the CSF Profile for CVE DOT chart.

See also, "Informative References: What are they, and how are they used?"

<https://www.nist.gov/cyberframework/online-learning/informative-references>

The CSF Profile was developed with input from the following connected vehicle sites:

Ann Arbor Connected Vehicle Test Environment (AACVTE) research implementation in Ann Arbor, Michigan, which is run by the University of Michigan Transportation Research Institute (UMTRI).

https://www.its.dot.gov/research_archives/safety/aacvte.htm

The ITS JPO awarded cooperative agreements to three connected vehicle pilot sites in New York City; Wyoming; and Tampa to implement a suite of connected vehicle applications and technologies tailored to meet their region's unique transportation needs. These sites provided input to the development of the profile.

- https://www.its.dot.gov/pilots/pilots_nycdot.htm
- https://www.its.dot.gov/pilots/pilots_thea.htm
- https://www.its.dot.gov/pilots/pilots_wydot.htm

More information regarding the pilots is available at <https://www.its.dot.gov/pilots/>.