

Connected Vehicle Reference Implementation Architecture (CVRIA)

PURPOSE

A user friendly online resource for Connected Vehicle (CV) technical standards, applications, and web-based training designed for technical and non-technical audiences

OVERVIEW

This ITS Joint Program Office sponsored web based library provides practitioners and technologists with a deeper understanding of Connected Vehicle technical and integration requirements. The CVRIA “one stop shop” is an essential forum to learn and share Connected Vehicle (CV) information.

CVRIA is an objective source

for technical guidance on Connected Vehicle networks, components, and communication protocols for responders and the information technology professionals that support them need. The CVRIA provides CV enterprise, functional, physical, and communications views of this important advancement in public and first responder safety.

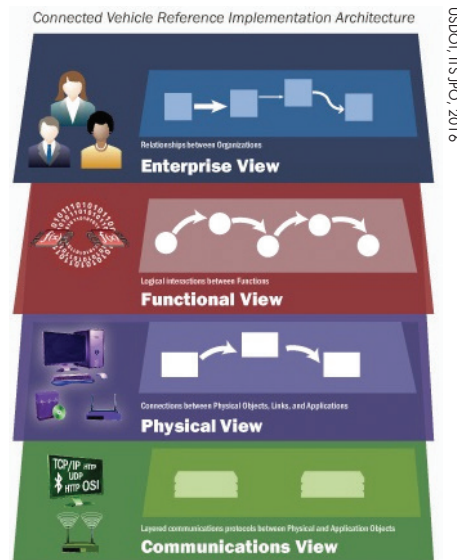
INNOVATION SPRINGBOARD

A working knowledge of the CVRIA provides end-users with the tools necessary to leverage emerging CV capabilities and to advance new applications based on clearly defined standards. Educated users of CV technologies may accelerate the design, testing, and deployment of new applications based on a working knowledge of CV components and communications protocols. Practical and technical innovations are expected to emerge from the broad community of potential users of the technology.

FOR MORE INFORMATION

Transportation Safety Advancement Group (TSAG): www.tsag-its.org; Intelligent Transportation Systems Joint Program Office: www.its.dot.gov; ITS America: itsamerica.org

For more information on the CVRIA and to view CVRIA documentation visit: www.iteris.com/cvria/; White House Fact Sheet: Encouraging the Safe and Responsible Deployment of Automated Vehicles, September 19, 2016.



Players: All Responders, Information Technology Professionals, Fleet Managers, and Application Developers

Priority: High

What is a Reference Implementation Architecture?

A Reference Implementation Architecture is a primary means to address technology stakeholder concerns and requirements. It results from collaboration between stakeholders (practitioners) and designers (engineers) to create common language definitions and deployment concepts and approaches and often includes Concept of Operations and System Requirements considerations.

10 million crashes
in 2015

4.4 million injuries
and over 38,000 deaths

94% of accidents
are due to human error
(ITERIS, Connected Vehicles, 2016)

