

ADVANCING THE TECHNOLOGIES FOR CONNECTED VEHICLES THROUGH CONSENSUS BUILDING

RAISING THE WORLD'S STANDARDS



INTELLIGENT TRANSPORTATION SYSTEMS

IEEE 1609™>

A family of standards defining the architecture, services and standard interfaces for secure vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) wireless communications.

IEEE 1616™>

Standards for motor vehicle event data recorders.

IEEE 802.11™>

WLAN to support communication between vehicles and the roadside and between vehicles while operating at speeds up to a maximum of 200 km/h for communication ranges up to 1000 meters.

IEEE P2020™>

IEEE P2040™ SERIES>

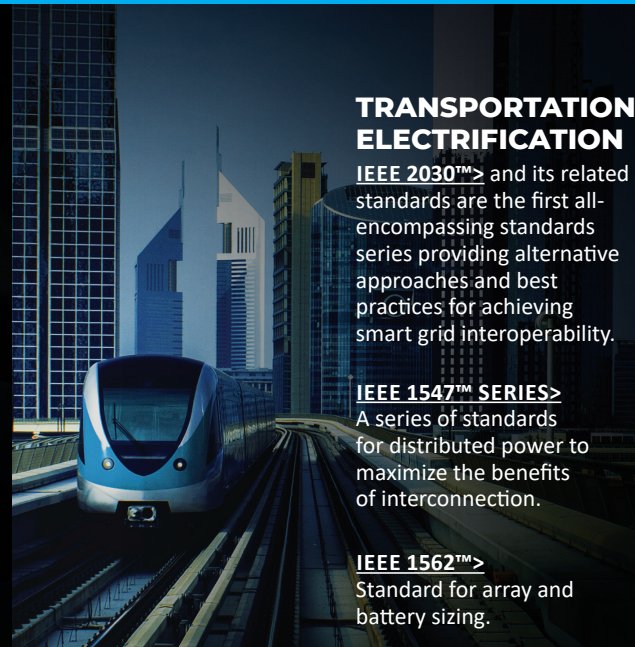
CONNECTIVITY

IEEE 802.3™>

Defining the physical layer and data link layer's media access control of wired Ethernet, in local area networks and wide area network applications.

IEEE 802.1 TSN™>

IEEE 2030.5™>



TRANSPORTATION ELECTRIFICATION

IEEE 2030™> and its related standards are the first all-encompassing standards series providing alternative approaches and best practices for achieving smart grid interoperability.

IEEE 1547™ SERIES>

A series of standards for distributed power to maximize the benefits of interconnection.

IEEE 1562™>

Standard for array and battery sizing.

IEEE 1901™ SERIES>

Standards relating to broadband connectivity over electric power lines.

TRAFFIC/ROADS AND PUBLIC SAFETY

IEEE P2040™ SERIES>

IEEE 2846™>

IEEE P2851™>



CYBERSECURITY

IEEE 2030.5™>

VISION SYSTEMS

IEEE P2020™>

COOPERATIVE, AUTONOMOUS AND AUTOMATED DRIVING

IEEE P2040™ SERIES>

A series of standards for connected, automated and intelligent vehicles.

IEEE 7002™>

IEEE P7009™>

SMART RAIL

A wide range of standards relating to electric rail operation including IEEE 16-2020>, IEEE 1653.1>, IEEE 1791>, IEEE 1896>, P2406>, IEEE 1629>, P1630>, AND IEEE 1653 SERIES>. As well as a series of standards relating to communication for rail transit systems, including IEEE 1482.1>.



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