IEEE Wireless Access in Vehicular Environments (WAVE) - IEEE 1609™ Series (bundle)

The IEEE 1609™ Series covers methods for securing WAVE management messages and application messages, with the exception of vehicle-originating safety messages. It also describes administrative functions necessary to support the core security functions. The wireless access in vehicular environments (WAVE) architecture and services necessary for WAVE devices to communicate in a mobile vehicular environment are described in these standards.

Layers 3 and 4 of the open system interconnect (OSI) model and the Internet Protocol (IP), User Datagram Protocol (UDP), and Transmission Control Protocol (TCP) elements of the Internet model are represented. Multi-channel wireless radio operations, Wireless Access in Vehicular Environments (WAVE) mode, medium access control (MAC), and physical layers (PHYs). Electronic payment service layer and profile for Payment and Identity authentication, and Payment Data transfer for Dedicated Short Range Communication (DSRC) based applications in Wireless Access in Vehicular Environments.

It also describes the use of these identifiers, indicates identifier values that have been allocated for use by WAVE systems, and specifies the allocation of values of identifiers specified in the WAVE standards.

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