

# TRAFFICAUTH

## TrafficAuth-Mobile for Transportation Safety

### HIGHLIGHTS

→ **Interoperable**

Seamless interoperability between Direct V2X (PC5 broadcast C-V2X) and Network V2X across all carriers.

→ **Secure**

End-to-end security based on the established OmniTrust Security Credential Management System (SCMS).

→ **Standards Compliant**

Standard SAE J2735 message set with the IEEE 1609.2 security architecture.

**TrafficAuth-Mobile is the first Vehicle-to-Network-to-Everything (V2N2X) application that enables workers to securely send and receive messages across cellular networks from any mobile device**

to the transportation network. This improves the efficiency of roadway systems and operations to help keep American drivers and transport workers safe, connected, and secure.

Part of the TrafficAuth family of products, this application creates a secure and authenticated communications channel between a worker or driver's cellphones and the cellular or transportation V2X networks. The **TrafficAuth-SCMSclient API** offers the same functionality but can be used by service providers and other transportation vendors to embed the same functionality in their own app for V2N2X communications.

TrafficAuth-Mobile and its related toolkit features:

- A secure, integrated, and fully interoperable all-in-one V2N2X solution
- Complete end-to-end security credential management and authorization
- Full PCS V2X broadcast connectivity
- Ability to monitor and control highway operations, streamline transport services, and send work-zone safety or traffic messages directly to workers and drivers
- Compliance with all IEEE 1609.2.1 and SAE J2735 standards and Department of Transportation requirements for security credential management system (SCMS) funding



# The Benefits of TrafficAuth-Mobile

## PROVEN SECURITY

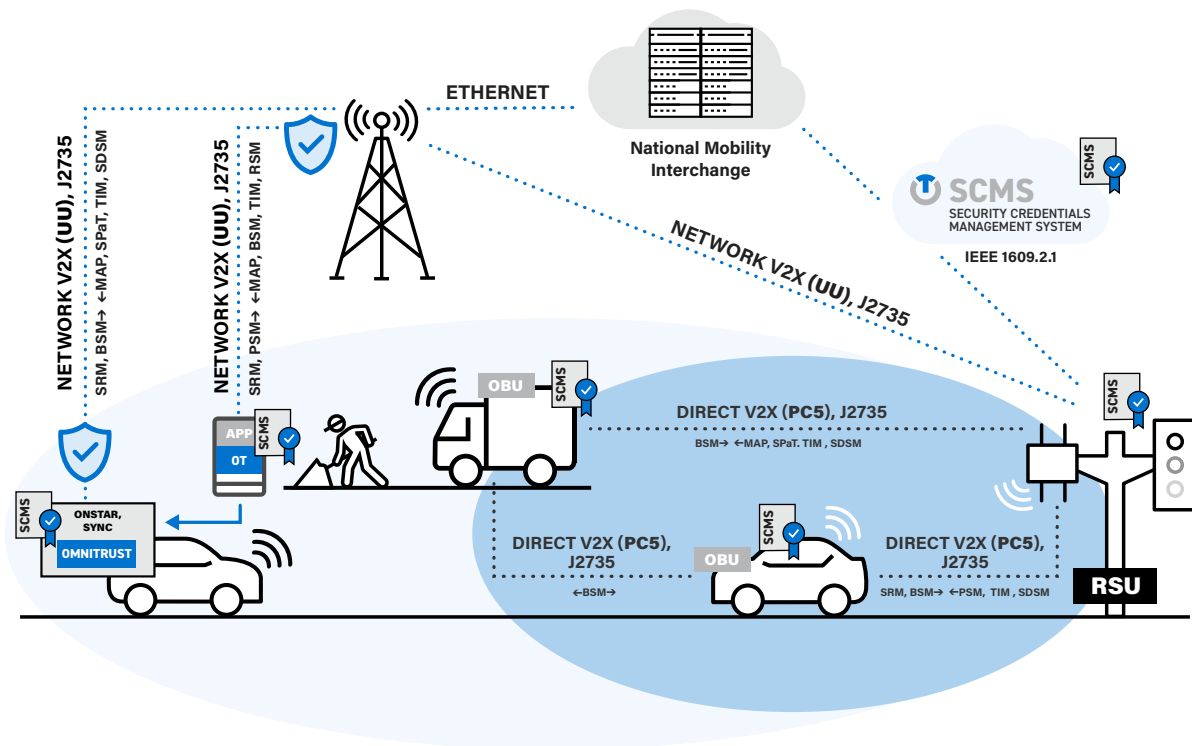
TrafficAuth-Mobile is built upon the OmniTrust SCMS, the de facto standard in V2X and C2X secure communication credentials.

## FASTER TIME-TO-MARKET

The TrafficAuth-SCMSclient libraries can be quickly added to your solution for faster, more secure hybrid V2X communications.

## EXTENSIVE EXPERIENCE

OmniTrust has extensive experience and deep expertise in supporting large-scale deployments of roadside infrastructure for state DOTs.



### SUPPORTED STANDARDS

#### ISA/IEC 62443

Industrial communication networks - Network and system security

#### NIST SP 800-82

Guide to Operational Technology (OT) Security

#### CTI 4501

Connected Intersections (CI) Implementation Guide

#### IEEE 1609.2

Security Services for Applications and Management Messages

#### IEEE 1609.2.1

Certificate Management Interfaces for End Entities

#### SAE-J2735 V2X

Communications Message Set Dictionary

#### DHS

Transportation Systems Sector Cybersecurity Framework Implementation Guidance

## ABOUT TRAFFICAUTH

TrafficAuth, powered by OmniTrust, secures connected mobility and traffic management networks by establishing trusted identity, authentication, and authorization across vehicles, devices, and traffic systems. Built on the OmniTrust Trust Lifecycle Management platform, TrafficAuth enables verifiable, enforceable trust for the full lifecycle of safety critical traffic infrastructure equipment. Global customers rely on TrafficAuth to secure large-scale networks, including connected vehicles, roadside infrastructure, and sensor networks, ensuring trusted communication, authenticated access, and lifecycle governance across millions of devices. TrafficAuth combines hardware-rooted identity, scalable PKI infrastructure, and policy-driven lifecycle enforcement to support safety-critical transportation, smart infrastructure, and regulated mobility environments.