Schaffnit Consulting Inc

International Workshop on Vehicle Safety Communications - Session 3 -

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Understanding of Applications using Vehicle Safety Communications

- Infrastructure-to-vehicle application scenarios
- Vehicle-to-infrastructure application scenarios
- Vehicle-to-vehicle application scenarios

Potential Infrastructure-to-Vehicle Application Scenarios

- Adaptive Drivetrain Management
- Adaptive Headlight Aiming
- Blind Merge Warning
- Cooperative Adaptive Cruise Control
- Cooperative Vehicle-Highway Automation System (Platooning)
- Curve Speed Warning – Rollover Warning
- Enhanced Route Guidance and Navigation
- GPS Correction
- Highway Merge Assistant
- Highway/Rail Collision Warning
- Intersection Collision – Infrastructure-Based Warning
- Intersection Collision – Vehicle-Based Warning

- In-Vehicle Signage
- Just-In-Time Repair Notification
- Left Turn Assistant
- Low Bridge Warning
- Low Parking Structure Warning
- Map Downloads and Updates
- Non-Stop Tolling
- Pedestrian Crossing Information at Designated Intersections
- Point of Interest Notification
- Road Condition Warning
- Safety Recall Notice
- Stop Sign Movement Assistance
- Stop Sign Violation Warning
- Traffic Signal Violation Warning
- Work Zone Warning

Potential Vehicle-to-Infrastructure Application Scenarios

- Blind Merge Warning

- Emergency Vehicle Signal Preemption

- Infrastructure-Based Traffic Management – Probes

- Intelligent On-Ramp Metering

- Intelligent Traffic Lights

- Intersection Collision – Infrastructure-Based Warning

- Intersection Collision – Vehicle-Based Warning

- Just-In-Time Repair Notification

- Non-Stop Tolling

- Post-Crash Warning

- SOS Services

- Stop Sign Movement Assistance

Potential Vehicle-to-Vehicle Application Scenarios

- Approaching Emergency Vehicle Warning
- Blind Merge Warning
- Blind Spot Warning
- Cooperative Adaptive Cruise Control
- Cooperative Collision Warning
- Cooperative Glare Reduction
- Cooperative Vehicle-Highway Automation System (Platooning)
- Electronic Brake Lights
- Highway Merge Assistant
- Highway/Rail Collision Warning
- Instant Messaging

- Intersection Collision – Vehicle-Based Warning
- Lane Change Assistant
- Left Turn Assistant
- Post-Crash Warning
- Pre-Crash Sensing
- SOS Services
- Stop Sign Movement Assistance
- Vehicle-Based Road Condition Warning
- Vehicle-to-Vehicle Road Feature Notification
- Visibility Enhancer
- Wrong-Way Driver Warning