10th ITS European Congress

Executive Session: From Connected to Automated Vehicles

June 17, 2014
Helsinki, Finland

Ken Leonard
Director, Intelligent Transportation Systems
Joint Program Office
U.S. Department of Transportation
The path toward connected vehicles will ultimately lead to automated vehicles.

**Connected Vehicle**
Communicates with nearby vehicles and infrastructure; Not automated

**Connected Automated Vehicle**
Leverages autonomous automated and connected vehicles

**Autonomous Vehicle**
Operates in isolation from other vehicles using internal sensors
USDOT’s Role in Vehicle Automation

- Facilitate development and deployment of automated transportation systems that enhance safety, mobility, and sustainability
- Identify benefit opportunities in automated vehicle technology
- Invest in research areas that further industry investments and support realization of benefit opportunities
- Establish Federal Motor Vehicle Safety Standards
- Ensure a safe transitional period during mixed traffic operations

We are also collaborating internationally with Japan and Europe on vehicle automation through a Tri-lateral Working Group on Automation in Road Transportation.
The Future of Connectivity

The full benefits of vehicle automation can be achieved only through connectivity.

By integrating connected with automated vehicles, we can improve the safety of our roads, expand our transportation capabilities, and greatly extend mobility options to everyone—from the disabled, the elderly, to the inexperienced teenage driver.