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Executive Session: From Connected to Automated Vehicles

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The Evolution of Connected to Automated Vehicles

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.

EU★US★JAPAN
ITS COOPERATION



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.

