

New Safety Recommendations

Safety Recommendation Number	Safety Recommendation Recipient	Safety Recommendation Text
H-17-037	United States Department of Transportation	Define the data parameters needed to understand the automated vehicle control systems involved in a crash. The parameters must reflect the vehicle's control status and the frequency and duration of control actions to adequately characterize driver and vehicle performance before and during a crash.
H-17-038	National Highway Traffic Safety Administration	Develop a method to verify that manufacturers of vehicles equipped with Level 2 vehicle automation systems incorporate system safeguards that limit the use of automated vehicle control systems to those conditions for which they were designed.
H-17-039	National Highway Traffic Safety Administration	Use the data parameters defined by the US Department of Transportation in response to Safety Recommendation H-17-37 as a benchmark for new vehicles equipped with automated vehicle control systems so that they capture data that reflect the vehicle's control status and the frequency and duration of control actions needed to adequately characterize driver and vehicle performance before and during a crash; the captured data should be readily available to, at a minimum, National Transportation Safety Board investigators and National Highway Traffic Safety Administration regulators.

Safety Recommendation Number	Safety Recommendation Recipient	Safety Recommendation Text
H-17-040	National Highway Traffic Safety Administration	Define a standard format for reporting automated vehicle control systems data, and require manufacturers of vehicles equipped with automated vehicle control systems to report incidents, crashes, and vehicle miles operated with such systems enabled.
H-17-041	Manufacturers of vehicles equipped with Level 2 vehicle automation systems (Volkswagen Group of America, BMW of North America, Nissan Group of North America, Mercedes-Benz USA, Tesla Inc., and Volvo Group North America)	Incorporate system safeguards that limit the use of automated vehicle control systems to those conditions for which they were designed.
H-17-042	Manufacturers of vehicles equipped with Level 2 vehicle automation systems (Volkswagen Group of America, BMW of North America, Nissan Group of North America, Mercedes-Benz USA, Tesla Inc., and Volvo Group North America)	Develop applications to more effectively sense the driver's level of engagement and alert the driver when engagement is lacking while automated vehicle control systems are in use.
H-17-043	Alliance of Automobile Manufacturers and to the Association of Global Automakers	Notify your members of the importance of incorporating system safeguards that limit the use of automated vehicle control systems to those conditions for which they were designed.

#### Reiterated Safety Recommendations

Safety Recommendation Number	Safety Recommendation Recipient	Safety Recommendation Text
H-13-030	National Highway Traffic Safety Administration	Develop minimum performance standards for

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		connected vehicle technology for all highway vehicles.
H-13-031	National Highway Traffic Safety Administration	Once minimum performance standards for connected vehicle technology are developed, require this technology to be installed on all newly manufactured highway vehicles.

September 28, 2017

The Honorable Secretary Elaine L. Chao  
Secretary of Transportation  
US Department of Transportation

On September 12, 2017, the NTSB adopted its report *Collision Between a Car Operating With Automated Vehicle Control Systems and a Tractor-Semitrailer Truck Near Williston, Florida, May 7, 2016*, NTSB/HAR-17/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

Among the Safety Recommendations is one issued to the US Department of Transportation, which can be found on page 43 of the report.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days, detailing the actions you have taken or intend to take to implement this recommendation. When replying, please refer to the safety recommendation by number. We encourage you to submit your response to [correspondence@nts.gov](mailto:correspondence@nts.gov). If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.



September 28, 2017

Mr. Jack Danielson

Acting Deputy Administrator  
National Highway Traffic Safety Administration

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Among the Safety Recommendations are three new recommendations and two reiterated recommendations issued to the National Highway Traffic Safety Administration, which can be found on pages 43 and 44 of the report.

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September 28, 2017

Mr. Thomas Zorn  
General Manager, Safety Affairs and Vehicle Testing  
Volkswagen Group of America

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September 28, 2017

Mr. Bryan Jacobs  
Vice President, Government and External Affairs  
BMW of North America

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Among the Safety Recommendations are two issued to BMW of North America, which can be found on page 43 of the report.

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September 28, 2017

Ms. Tracy Woodard

Director, Government Affairs  
Nissan Group of North America

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September 28, 2017

Mr. David Tait

General Manager, Engineering Services  
Mercedes-Benz USA

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September 28, 2017

Mr. Diarmuid O'Connell  
Vice President of Business Development  
Tesla Inc.

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September 28, 2017

Mr. Timothy L. Lafon  
Vice President, Regulatory Affairs  
Volvo Group North America

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September 28, 2017

Mr. David Schwietert  
Executive Vice President, Federal and Government Relations and Public Policy  
Alliance of Automobile Manufacturers

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Among the Safety Recommendations is one issued to the Alliance of Automobile Manufacturers, which can be found on page 44 of the report.

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September 28, 2017

Mr. Steve Gehring  
Vice President, Vehicle Safety and Connected Automation

Association of Global Automakers

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September 28, 2017

Mr. Jack Danielson

Acting Deputy Administrator  
National Highway Traffic Safety Administration

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