



Voluntary Safety Self-Assessment Template

On September 12, 2017, U.S. DOT and NHTSA released new Voluntary Guidance – Automated Driving Systems 2.0: A Vision for Safety. It replaces the Federal Automated Vehicles Policy (FAVP) released in September 2016. Section I of this new guidance includes a recommendation that entities involved in the testing and deployment of Automated Driving System (ADS) provide an assessment of how they are addressing safety to the public.

To support entities in this effort, NHTSA is providing a template on the types of summary information that entities may want to provide to the public to demonstrate how they are addressing safety. Below is an example to illustrate the type of summary information for the safety element of Crashworthiness, just 1 of the 12 safety elements presented in the new Voluntary Guidance. It is based on a fictitious vehicle and provided for illustration and guidance. This fictitious vehicle is one that has received necessary exemptions from NHTSA. It is a Level 4 vehicle with four seats and two large doors.

Safety Element: CRASHWORTHINESS

Structural Integrity

- Summary of crash simulation scenarios, component testing, and physical tests.
- Summary of benchmarks for testing.

Protection of Occupants in the Vehicle

- Summary information about how the vehicle design leverages industry best practices and internal standards for crashworthiness.
- If the vehicle contains a non-traditional seating configuration, include summary information related to the following:
 - Protection for the occupants expected to use the vehicle.
 - Testing and countermeasures related to crash impact protection and the impact directions considered.
 - If appropriate, discussion of methods related to rollover protection.
- If the vehicle will transport children (those under age 12), a summary of child passenger safety measures to address:
 - Child occupant detection and accommodations;
 - Car seat use: anchors, tethers, designated seat locations; and
 - Booster seat use and designated seat locations.

Protection of Other Road Users

- Summary information of how the vehicle considers crash forces from other road vehicles or the infrastructure.
- Summary information of how the vehicle seeks to mitigate injuries to pedestrians and other vulnerable road users.