



Children in Automated Vehicles

The Consortium reviewed all Federal motor vehicle safety standards and found the ones shown here to have aspects that are especially relevant to the safety of child passengers.

Analysis of U.S. Federal Vehicle Safety Standards: Child Passengers and AVs 400 and 500 Standards

Standard No.	Topic	Aspect(s) related to children	Child safety considerations to bear in mind if standard is targeted for amendment to remove AV barriers
401	Interior Trunk Release	Prompted by children getting locked inside vehicle trunks, this standard provides a visible and easy-to-use release mechanism	Future vehicles with trunks should continue to include this feature
403	Platform Lift Systems in Motor Vehicles	Children with special needs requiring use of a wheelchair use lifts to access vehicles. This standard applies to the power lift.	May need to add that children with special needs require a human attendant for loading/unloading. However, this seems unlikely to be addressable through motor vehicle regulation.
404	Platform Lift Installations in Motor Vehicles	Children with special needs requiring use of a wheelchair use lifts to access vehicles. This standard applies to the vehicle requirements for power lifts	May need to add that children with special needs require a human attendant for loading/unloading. However, this seems unlikely to be addressable through motor vehicle regulation.
500	Low Speed Vehicles	Speed limited	Although this standard has no direct relation to children, it is important to consider because many proposed AVs (such as various types of shuttles) may be made to fit this vehicle designation. As such, these vehicles, which currently are exempt from certain safety child-friendly safety standards (such as FMVSS 225) and are used relatively infrequently by children, could become a much more important type for families.