

# U.S. Department of Transportation Data for Automated Vehicle Integration (DAVI) Framework

Category	Goals	Data Generators & Users Participating in the Exchange	Specific Data to Exchange	Real-World Examples
<b>Business-to-Business (B2B)</b>	<ul style="list-style-type: none"> <li>Mitigate known and emerging cyberthreats</li> <li>Improve industry-wide safety through shared learning in safety-critical and edge case scenarios</li> <li>Inform future insurance policies</li> <li>Accelerate the resolution of legal liability claims</li> </ul>	<ul style="list-style-type: none"> <li>Heavy- and light-duty original equipment manufacturers (OEMs)</li> <li>Transportation network companies (TNCs) and fleet operators</li> <li>Insurance companies</li> </ul>	<ul style="list-style-type: none"> <li>Cybersecurity incidents</li> <li>Edge cases</li> <li>Near-miss events</li> <li>Performance in safety-critical scenarios</li> <li>Post-accident data</li> </ul>	<p>Automotive Information Sharing and Analysis Center</p> <p>ClinicalStudyDataRequest.com</p> <p>PEGASUS</p> <p>TNO Streetwise</p> <p>TS America Data Exchange</p>
<b>Business-to-Government (B2G) ...and/or G2B</b>	<ul style="list-style-type: none"> <li>Understand performance of rapidly evolving technology during testing phases</li> <li>Inform policies and investments to improve system safety and efficiency</li> </ul>	<ul style="list-style-type: none"> <li>Heavy- and light-duty OEMs</li> <li>TNCs and fleet operators</li> <li>Insurance companies</li> <li>Non-federal government (state, county, municipal)</li> <li>Federal government (FHWA, FMCSA, FTA, NHTSA)</li> </ul>	<ul style="list-style-type: none"> <li>Cybersecurity incidents</li> <li>Near-miss events</li> <li>Performance in safety-critical scenarios</li> <li>Crash reconstruction</li> <li>Connected vehicle pilot data</li> <li>Robust inventory of infrastructure assets</li> </ul>	<p>Aviation Safety Information Analysis and Sharing</p> <p>Voluntary Safety Self-Assessments</p>
<b>Infrastructure-to-Business (I2B) ...and/or B2I</b>	<ul style="list-style-type: none"> <li>Help vehicles navigate safely around obstacles and in adverse weather conditions</li> <li>Reduce system congestion</li> <li>Help optimize infrastructure maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Infrastructure owners &amp; operators (state, county, municipal, federal, academic)</li> <li>Infrastructure tech companies</li> <li>In-vehicle &amp; aftermarket services</li> <li>Heavy- and light-duty OEMs</li> <li>TNCs and fleet operators</li> </ul>	<ul style="list-style-type: none"> <li>Work zone activities and geometrics</li> <li>Road weather information</li> <li>Missing signage or broken infrastructure</li> <li>Curb use rules and availability</li> </ul>	<p>National Transit Map</p> <p>Waze Connected Citizens Program</p> <p>Meteorological Assimilation Data Ingest System</p>
<b>Open Training Data</b>	<ul style="list-style-type: none"> <li>Improve ADS performance in common safety-critical scenarios</li> <li>Support basic research and education</li> </ul>	<ul style="list-style-type: none"> <li>Government</li> <li>Industry</li> <li>Academia</li> <li>Individuals</li> </ul>	<ul style="list-style-type: none"> <li>Road, signage, and other infrastructure imagery</li> <li>Edge cases</li> <li>Bike/ped near misses</li> <li>Truck platooning pilot data</li> </ul>	<p>ImageNet</p> <p>Multimedia Commons</p> <p>Nexar NEXET</p> <p>BikeMaps.org</p> <p>FHWA Platooning POC</p>

