Data for Automated Vehicle Integration (DAVI) Guiding Principles

The DAVI Guiding Principles define an approach for U.S. DOT and our stakeholders to prioritize and facilitate the iterative development of voluntary data exchanges. The principles shape actions by U.S. DOT and its partners to increase access to data for AV integration, and lead to actionable priorities and clear roles in implementation. U.S. DOT continues to refine and use these principles to engage with potential data generators and users.

1 | **Promote proactive, data-driven safety, cybersecurity, and privacy-protection practices.**

U.S. DOT aims to accelerate the safe U.S. integration of AV by encouraging private sector innovation while ensuring appropriate safeguards for cybersecurity, confidential business information, and privacy. Proactive safety practices identify and mitigate risks before they cause harm. Such practices require timely data and analysis that cut across traditional silos. To develop appropriate system safeguards, the U.S. DOT, local jurisdictions, and industry partners would benefit from multi-modal data from testing and development efforts to inform investments and policies.

2 | **Act as a facilitator to inspire and enable voluntary data exchanges.**

Industry and government share the objective of bringing safer AVs to market more quickly and recognize the enabling role of data exchanges. U.S. DOT is uniquely positioned to convene stakeholders around mutually beneficial use cases and common standards. Sometimes, U.S. DOT will directly manage raw or anonymized data but often our role will be to enable others to exchange data via a range of mechanisms.

3 | **Start small to demonstrate value and scale what works toward a bigger vision.**

The U.S. DOT and our stakeholders cannot define all data exchange opportunities upfront and will need to build policies and capabilities iteratively via agile and collaborative methods. We should start small and focus initially on areas of clearest public-private benefit and the smallest amount of data exchange necessary to answer critical questions – while keeping in mind long term goals and needs.

4 | **Coordinate across modes to reduce costs, reduce industry burden, and accelerate action.**

Similar types of data exchanges will be valuable for similar purposes across all modes of transportation. U.S. DOT's operating administrations and external stakeholders can learn from each other and share tools and resources to reduce costs and time to deploy capabilities, while improving interoperability. Also, some agencies make duplicative requests for industry information, increasing the cost of partnering with the government. Consolidating and streamlining those requests can reduce costs and increase interest in collaboration.