

Intelligent Transportation Technology Policy Principles



The U.S. government should acknowledge and prioritize the information and communications technology (ICT) sector's value to and impact on the future of America's high-tech, surface transportation ecosystem. U.S. policymaking should align with ITI's belief that policies that encourage innovation, competition, and private investment are essential for transportation technologies to realize their maximum economic and societal benefits and be broadly available in a timely and globally competitive manner. Research and deployment of advanced ICT-enabled vehicular technologies should be accelerated to save lives, improve quality of life, improve personal and commercial goods mobility, and help address our nation's current and future infrastructure, environmental, and economic challenges.



ICTs such as automotive safety applications, smart fleet management, and intelligent transportation systems (ITS) infrastructure will be key components of the Internet of Things (IoT). Consistent with the ITI IoT Principles for 2015 U.S. federal legislative and regulatory policy, ITI will seek on its own, and in alliance with organizations that share our goals, the following policies:

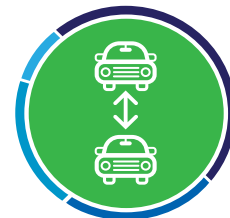
New private-public partnerships for transportation innovation across the automotive, transportation, and ICT sectors. The ICT sector is a primary driver and stakeholder in the future of America's ITS success. Emerging automotive and transportation technology innovations offer new partnership opportunities for saving lives and improving urban planning and traffic congestion, while also improving fuel economy and reducing harmful emissions. Government should engage the ICT sector as a priority partner and help incent the ICT sector to deliver the technological transportation breakthroughs of tomorrow. To drive private investment, these partnerships should be focused on enabling scale and sustainability of investment in the long term. Specifically, we seek:

- The establishment of a new competitively selected National Network for Manufacturing Innovation (NNMI) hub dedicated to advanced ICT-enabled automotive and transportation technologies; and,
- Partnerships to help address the distinct security challenges of connected vehicle technologies, harnessing appropriate technical and policy strategies to mitigate risks and enable safe, secure, trusted vehicles, while also protecting personal, commercial, and proprietary data from misuse.



Greater support for deployment of emerging vehicular technologies. Government should provide greater encouragement and incentives for deployment of new transportation technologies to save lives, reduce traffic congestion, and reduce harmful emissions. In particular, we seek:

- Increased funding for, and focus on, ITS deployment, including vehicle connectivity and autonomous vehicle technologies; and,
- Authorization and funding for market-driven, technology-neutral and scalable “smart city” pilots to research and deploy advanced communications, safety-of-life, and traffic management technologies, including connectivity of vehicles and infrastructure, advanced driving assistance systems and advanced autonomous vehicle technologies.



Removal of government barriers to emerging vehicular technology deployment. For the U.S. to compete effectively in the advancing surface transportation sector, innovation and market competition rather than regulation should be prioritized. Technology advancements that can save lives, improve transportation efficiency, and reduce harmful emissions will emerge faster than government policies and regulations often permit. Government will need to more aggressively remove such barriers. In particular, we seek:



- A mandated government review and public report, conducted in consultation with the ICT sector, of existing federal automotive standards, regulations, and policies that present barriers (whether legal or interpretive) to a competitive marketplace for safety and fuel efficiency technology breakthroughs, along with recommendations for removing or mitigating these barriers; and,
- Government engagement with international counterparts in the removal of regulatory barriers to safety and energy efficiency technology innovation.

Adoption of market-driven approaches to technological solutions in the automotive and transportation sectors. Leveraging competitive market forces to determine which technologies can best achieve specific outcomes will lead to better long-term results and spur greater innovation. Specifically, we seek:

- Technology-neutral regulatory frameworks to enable creative ICT innovation; and,
- Industry-led, voluntary global standards to accelerate adoption, drive competition, and enable cost-effective introduction of new technologies, while providing a clearer technology evolution path that stimulates investment.

Release of open traffic data to the public. Greater public availability of traffic information and open transportation-related data will help stimulate innovative new services and products for enhancing safety, fuel efficiency, and quality of life.

