



NXP Congratulates the U.S. Department of Transportation on Proposed Rule to Mandate Vehicle-to-Vehicle (V2V) Communication

EINDHOVEN, Netherlands – **December 13, 2016 (Global Newswire)** – NXP Semiconductors (NASDAQ: NXPI), the world's largest supplier of semiconductors solutions for the automotive industry, applauds the Notice of Proposed Rulemaking issued by [the United States Department of Transportation \(DoT\)](#) and the National Highway Traffic Safety Administration (NHTSA). The proposed rule would mandate that automakers include Vehicle-to-Vehicle (V2V) technology in all new light-duty vehicles.

As a wireless, direct communications technology that connects cars across distances of more than one mile, Vehicle-to-Everything (V2X) will eventually pave the way for autonomous vehicles. It is a key enabling technology that makes the machine drive better than a human by truly extending the driver's senses beyond a human's line of sight. Furthermore, V2X is a great complement to other advanced driver assistance technologies such as radar, cameras or ultrasound for self-driving cars, as it works reliably in diverse weather and lighting conditions.

The accompanying report to the rule making proposal includes preliminary estimates of safety benefits for two safety applications - Left Turn Assist (LTA) and Intersection Movement Assist (IMA). The report estimates that these technologies alone could prevent up to 592,000 crashes and save 1,083 lives per year. Other research indicates that V2X can reduce CO₂ and improve traffic flow by warning drivers of road blocks, or hazards one mile ahead.

NXP is the technology leader with its RoadLINK solution, a complete automotive-grade, secure V2X system solution. Security in wireless communications is paramount; this is why the RoadLINK system solution incorporates a high-performance secure element comparable with the standards of banking cards or electronic passports designed to prevent hacking attacks in the connected car. The NXP RoadLINK solution is being introduced in first mass production cars in the U.S. through Delphi's communications platform.

Quotes:

"We are proud of the leading role that NXP and its partners have played over the past several years in developing and testing secure, privacy-respecting and reliable V2X technology. After more than 1 million days of V2X testing, we are contributing to the 'state of the art' and are convinced that the technology is mature, safe and ready for deployment worldwide," says Kurt Sievers, general manager of the automotive business at NXP. "As a leading technology provider to the automotive market, we view an accelerated rollout of this life-saving technology as one of the most important milestones in the history of our industry, one that will transform our roads and vehicles as never before."



According to Kurt Sievers, the market has suffered from a chicken or the egg situation, “The safety technology needs to be in both your car and the other car that is putting you at risk. [The decision of the United States Department of Transportation \(DoT\)](#) now provides a clear path forward for the industry and political decision makers to accelerate V2X introduction.”

“Having been deeply involved with testing this technology, NXP understands that there can be a positive impact even if only 5 to 10 percent of the cars are equipped with V2X — such as synchronizing the speed with other vehicles to improve the traffic flow. The benefits only increase as more and more vehicles have this capability, for which this proposed rule provides a strong foundation,” says Kurt Sievers.

Resources:

[NXP and Platooning video](#)

[Munich Live Demo](#)

*Source: NHTSA Report: The Economic and Societal Impact of Motor Vehicle Crashes, 2010 (Revised)

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About NXP

NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has 44,000 employees in more than 35 countries and posted revenue of \$6.1 billion in 2015. Find out more at www.nxp.com.

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