International Newsroom

Audi and Navistar showcase technology designed to help make back to school safer at bus stops

Audi demonstrates connecting cars directly to their surroundings can prevent accidents and save lives

Audi vehicles and IC Bus® school buses from Navistar send direct alerts to each other

Early notifications and warnings better equip drivers to anticipate school bus stops and keep school children safer year-round



HERNDON, Va., Sept. 6, 2023 – This back-to-school season, Audi of America and Navistar demonstrate the role direct communication via Cellular Vehicle to Everything (C-V2X) technology can play to provide potentially life-saving safety technology for the 26 million children riding school buses every day in the United States. C-V2X technology offers the potential to unlock the next substantial improvements to road safety and create a safer environment for children to travel to and from school.

With C-V2X direct communications technology, the driver receives a direct message alert in the cockpit of the Audi vehicle providing an early notification of an approaching school bus stop situation. The alert is provided even when the school bus is not visible to the driver such as around a corner, over a hill or if the driver's view is blocked by other vehicles. Conversely, the school bus driver receives an alert of the approaching vehicle during a school bus stop as

well as a warning if a vehicle is potentially approaching too quickly to be able to stop in time. This allows the school bus driver to take actions such as to not open the door or to alert the children to remain on the curb. The end result is that it enables drivers to have additional time to prepare or react and contributes to safer transportation for school children.

Direct communication allows vehicles and school buses to communicate 10 times per second at a distance of up to 400 yards, virtually eliminating the latency inherent to communicating via cell tower networks. Each vehicle shares its location, speed and direction with others, thereby providing more safety for all, especially when every second counts.

Audi has already demonstrated the benefits of direct communication within school and construction zones as well as for cyclists, and construction workers. The same technology implementation can be utilized for motorcyclists as well as emergency vehicles and at some point in the relatively near future, pedestrians. Direct communications technology has the potential to help save lives and provide an incredibly valuable step toward automated driving.

Audi and Navistar worked with technology partner, Applied Information, to bring this demonstration to life. Audi, Navistar and Applied Information are committed to sharing the knowledge gained and working closely with local, state and national government officials to push its adoption forward. Learn more about C-V2X **here**.

ABOUT AUDI OF AMERICA

At Audi of America, we believe the future is electric. By 2025, our U.S. model lineup will be at least 30 percent electrified, including fully electric and plug-in hybrid vehicles. Globally, we are committed to net CO2 neutrality by 2050. In 2022, Audi sold 186,875 vehicles in the U.S., sold more fully electric models than ever before, and achieved a record-breaking year in after sales. Learn more about who we are and how we're working to create a more sustainable, innovative, and inclusive future at **audiusa.com** or **media.audiusa.com**.

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