SVI FACT SHEET

autocare ASSOCIATION
Independence drives us.

Today, any telematics data coming in and out of vehicles go through OEMs, making them the data's gatekeepers and giving them full control over who has access, how the data is accessed and how much access costs. Auto Care supports a solution that provides security, privacy, choice, safety, and a level playing field for the marketplace. A solution that enables a smart global infrastructure, where the vehicles of the future can "talk" to infrastructure components like roads, traffic lights, emergency vehicles and other vehicles , which results in safer and more efficient roadways using Intelligent Transportation Standards defined SDO (standard developing organizations) such as ISO, IEEE, SAE, CEN, etc. Currently there is a solution in advanced development that delivers – ***SVI (Secure Vehicle Interface).***

ABOUT SECURE VEHICLE INTERFACE (SVI)

SVI provides a standardized, secure design for vehicle data to be shared with third parties at the owner's discretion. It enables a smart global infrastructure where vehicles can "talk" to their surroundings (e.g., traffic lights, emergency vehicles, other vehicles, etc.) in order to adapt to an evolving driving environment, which results in safe and more efficient roads.

Solutions based on SVI use hardware and software connected to a vehicle's internal network that translates its data into common language. It creates two secured interfaces for the data to be transmitted—the first, at the vehicle network, either through a wired or wireless method and the second, at the external receiving point collecting data.

SVI BENEFITS

One of the main benefits of SVI is that it puts consumers at the center when it comes to data access and control. This is because SVI offers a common language and set of interfaces for communicating vehicle information to third parties. Another benefit is that SVI provides a secure system for sharing data directly to an intended third party, and ensures the integrity of the data being transmitted. Lastly, while SVI is a new technology, it can be retrofitted in older cars.

SVI IS CYBER-SECURE

Solutions based on SVI incorporate a multi-layer approach to ensuring consumer data is safe and secure. Using cryptographic security as the starting point, SVI ensures the following:

- source authenticity (i.e., did the data come from a trusted source);
- data integrity (i.e., was the data altered while being transmitted);
- data availability (i.e., will the data be available when needed); and
- data confidentiality (i.e., is there any possibility that unauthorized entities got a hold of the data).

SVI COMPARED TO EXTENDED VEHICLE

Extended Vehicle (ExVe) provides access to data, but keeps the automaker in control over its collection and distribution; SVI puts consumers at the center when it comes to data access and control through the use of standardized communication profiles authorized by the vehicle owner. ExVe leaves it up to each manufacturer to decide what data is shared and how to share it. If the automakers continue to control the data, consumers will:

- face a less competitive marketplace for obtaining vehicle repair
- be subject to the commercial business preferences of the vehicle manufacturers regarding the use of their vehicle's data
- face restrictions on access to the critical data needed to repair their highly sophisticated late model cars