



## **AVILOO battery diagnostics are now "DoIP-enabled"**

**AVILOO's engineering consistently is on par with the latest vehicle technologies of the most renowned EV manufacturers.**

**AVILOO GmbH, Wiener Neudorf, Austria, December 10<sup>th</sup>, 2024:** The provider of the industry standard in testing the State of Health (SoH) and detecting defects in drive batteries of used electric vehicles and plug-in hybrids, AVILOO GmbH, announces that its analysis solution is now DoIP-enabled. The AVILOO FLASH Test, used by customers worldwide, can now capture battery data from the new DoIP vehicle communication technology and incorporate it into its own specific and dynamic parameters. This makes it the first comprehensive, independent rapid test for EV batteries globally capable of communicating with the new generation of automotive system control.

DoIP – Diagnostics over Internet Protocol – is a high-performance communication protocol used in automotive electronics. It represents a new network technology for data exchange in control units, such as the battery management system (BMS) relevant to AVILOO. DoIP offers significant efficiency gains in automotive maintenance and diagnostics, as well as improved data quality and security. An increasing number of manufacturers are replacing the old CAN protocol with DoIP.

AVILOO's FLASH Test is used by car dealerships, remarketers, and private individuals to detect the health status, remaining capacity, and any defects in used EV drive batteries. The market leader adds hundreds of new EVs and plug-in hybrid vehicles to its program each year. In response to major players like Mercedes and Renault switching from CAN to DoIP, AVILOO quickly took the immediately picked up the ball. As always, it develops its testing methods not only broadly to accommodate new EV models but also in depth with advanced engineering. Considering the speed at which car manufacturers are transitioning to DoIP, it can be said that AVILOO is not merely reacting but is, in fact, developing its hardware and software in parallel with OEMs.

For FLASH Test users, primarily car dealers and remarketers, the benefits of the generated battery test certificate now also apply to vehicles equipped with the new DoIP communication technology. Among the first major manufacturers to implement DoIP in EVs are Mercedes-Benz with the EQE and EQS, Volvo, Renault and Polestar. Other big players are expected to follow in the coming year.

"From now on, and in the future, dealers and remarketers of used EVs with DoIP communication protocols can fully benefit from the advantages of AVILOO's independent battery test reports when offering vehicles with the DoIP communication protocol. According to the AVILOO Remarketing Study from 2024, these benefits range from profit maximization, to facilitating the sales process, to increasing customer trust," says AVILOO CEO Marcus Berger.

As mentioned, the data from the battery management system is only a fraction of what the compact AVILOO Box captures to ultimately deliver a precise and comprehensive result report after just 3 minutes of testing on a stationary vehicle. The diagnostic accuracy achieved at this speed, down to the cell level, is made possible by leveraging additional AVILOO-specific predictors and sophisticated algorithms.



All of this, implemented in a fully automatic plug-and-play mode, has made AVILOO tests an independent industry standard and a global success. The simple operation - connecting to the OBD-II interface - and the speed of just 3 minutes from test start to receiving the comprehensive test certificate via email remain guaranteed, even when communicating with systems using DoIP.

### **About AVILOO**

The company is the global market leader in battery diagnostics for electric vehicles and plug-in hybrid vehicles. It develops and markets precise, fast, and independent tests for detecting the State of Health (SoH) and defects in drive batteries of used vehicles. The test results are provided in the form of detailed reports and certificates. All analysis procedures are TÜV or CARA certified, ensuring profit maximization on the one hand and safety on the other for used car buyers, sellers, and users (both commercial and private). The currently fastest and most detailed diagnostic solution on the global market is the AVILOO FLASH Test, which can be implemented cost-effectively and easily within three minutes on the vehicle. AVILOO tests are the industry standard, covering 95% of all available EV brands.

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Press contact: Yvonne Steinhäusser, Corporate Communications, Tel. +43 676 3310430