

## **Autotalks Addresses Anticipated USDOT V2X NPRM with Improved Security Solution Available Today**

*Autotalks 2nd generation V2X chipset delivers Cybersecurity protection and a cryptoagile eHSM*

Kfar Netter, Israel ([PRWEB](#)) April 19, 2016 -- Autotalks announced today its security solution for addressing the anticipated USDOT V2X Notice of Proposed Rulemaking (NPRM). To realize the vision of V2X, vehicles must be able to trust messages from their surroundings. A basic set of V2X parameters is specified to facilitate minimal security requirements.

Autotalks, an international expert in multi-layer protection for vehicular security, believes that a far better security solution is available today and should be offered for protecting the V2X entry-point to the vehicle.

The Autotalks multi-layer approach includes a crypto-agile embedded Hardware Security Module (eHSM) integrated within the Autotalks 2nd-generation chipset, eliminating the need for an external HSM. In addition to reducing system costs, the integrated eHSM provides enhanced side-channel protection for preventing key extraction by analyzing power and time-variation patterns. It completes signing operations with shorter latency than first generation solutions.

Autotalks' solution minimizes the surface of attack by applying verify-all scheme whereby each received message is verified before reaching the application. This surpasses the basic verify-on-demand scheme, in which the application selects messages for verification. With verify-all, application development can be security-unaware, with the amount of code potentially exposed to unsecure data reduced by an order of magnitude and testable. A further benefit of verify-all includes the ability to process every safety event without making assumptions about maximal number of relevant messages, as those assumptions may become invalid in case of an accident.

The upper protection layer in Autotalks' multi-layer protection approach is a secure V2X gateway that assures that the entire operation is resilient to malware.

Mr. Hagai Zyss, Autotalks' CEO, explained: "Autotalks is proud to offer a truly secure solution for the anticipated NPRM, pondering that security cannot be compromised. Any successful attack will irrevocably harm the market, and Autotalks cannot take that risk." Mr. Zyss continues: "We believe that OEMs and Tier1s cannot take this risk as well."

About Autotalks Ltd.

Autotalks enables the V2X communication revolution by providing an automotive qualified chipset that supports all functions required from a V2X ECU. The unique technology of Autotalks addresses all key V2X challenges: communication reliability, security, positioning accuracy and vehicle installation. Autotalks' ready solution is used in series production units. Autotalks and STMicroelectronics have formed a strategic partnership for the V2X market, and are working to produce a mass market-optimized second-generation V2X chipset.

For more information, visit <http://www.auto-talks.com> or e-mail: [info@auto-talks.com](mailto:info@auto-talks.com)



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