



GlobalPlatform and COVESA Join Forces to Advance Trusted Connected Vehicle Services

Collaboration will map connected vehicle security and trust requirements to existing technologies and advance work on in-vehicle payments and digital wallets

October 21, 2026—GlobalPlatform, the digital security standards organization, and COVESA, the Connected Vehicle Systems Alliance, have signed a Memorandum of Understanding (MoU) to collaborate on the development of secure and interoperable connected vehicle services.

Modern vehicles draw on components and software from many suppliers—and automakers need to understand how those services are protected and what evidence supports their security claims. The collaboration therefore combines COVESA's work on interoperable vehicle technologies with GlobalPlatform's market-proven security technologies and evaluation methodologies, helping the industry address both service delivery and security assurance.

GlobalPlatform brings decades of experience developing industry-standard specifications, including those for Hardware Protected Security Environments (HPSEs) within Software-Defined Vehicles (SDVs). Meanwhile, COVESA brings together automakers, suppliers, technology companies, and other adjacent stakeholders to develop common approaches for vehicle technologies.

The collaboration will initially focus on how connected vehicle requirements can be addressed using Secure Elements (SEs) and Trusted Execution Environments (TEEs). COVESA will identify relevant security requirements and GlobalPlatform will map them to existing capabilities, highlighting gaps for potential future work. A further area of focus will be digital wallets and in-vehicle payments, aligning COVESA's work on authentication, protected credentials, and vehicle-origin trust with GlobalPlatform's technologies.

"GlobalPlatform provides foundational security technologies underpinning mass market services across the globe," said Gil Bernabeu, CTO of GlobalPlatform. "Our collaboration with COVESA will demonstrate how standardized solutions can reduce duplicated effort and costs in automotive."

"The connected vehicle ecosystem depends on an open, trusted foundation that enables companies to innovate with confidence," said Jennifer Stenberg, COVESA Executive Director. "By combining COVESA's collaborative, industry-driven approach with GlobalPlatform's proven security expertise, we can help accelerate interoperable vehicle services and create a clearer path for high-value use cases such as in-vehicle payments and digital wallets while preserving each company's ability to innovate and differentiate where it matters to deliver maximum customer value."

Building on Automotive Security Expertise

GlobalPlatform is adapting proven specifications and security frameworks to the needs of the automotive industry. [SAE J3101-5](#) describes how GlobalPlatform SE and TEE specifications correspond to SAE's recommended practices for Hardware Protected Security Environments (J3101-5). GlobalPlatform is also working with SAE on how SESIP security assessment evidence can support cybersecurity assurance objectives under ISO/SAE 21434. [SESIP](#) provides a common methodology for security evaluation, enabling results from certified components to be reused across the supply chain, subject to their evaluated scope and integration conditions.

COVESA is developing reference architectures for trusted in-vehicle digital services, including payments and digital wallets. The work explores how user authentication, hardware-protected credentials, and SIM-based vehicle trust can be combined into a common model for payment and other external services, while allowing OEMs to leverage existing secure hardware such as SEs and TEEs.

Next Steps

An initial demonstration is planned for COVESA's Fall meetings in October 2026, which will incorporate SESIP assurance information within COVESA's Vehicle Data Model (VDM). This will illustrate how security assurance information can be represented for electronic control units (ECUs) with different assurance levels.

The two organizations are also exploring opportunities to showcase their collaboration at COVESA's CES 2027 event in Las Vegas in January, potentially demonstrating how GlobalPlatform technologies can be integrated within COVESA connected vehicle models.

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About GlobalPlatform

GlobalPlatform is a technical standards organization that enables the efficient launch and management of innovative, secure-by-design digital services and devices, which deliver end-to-end security, privacy, simplicity, and convenience to users. It achieves this by providing standardized technologies and certifications that empower technology and service providers to develop, certify, deploy, and manage digital services and devices in line with their business, security, regulatory and data protection needs. GlobalPlatform technologies are used in billions of smart cards, smartphones, wearables and other connected and IoT devices.

GlobalPlatform standardized technologies and certifications are developed through effective industry-driven collaboration, led by multiple diverse member companies working in partnership with industry and regulatory bodies and other interested parties from around the world.

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About the Connected Vehicle Systems Alliance

The Connected Vehicle Systems Alliance (COVESA) is an open and member-driven global technology alliance accelerating the full potential of connected vehicles and the mobility ecosystem. As the only alliance focused solely on developing open standard approaches and technologies for connected vehicles, COVESA serves as a collaborative platform that brings together automotive software stakeholders with world-class developers to address opportunities and challenges in the automotive industry and navigate the digital transformation shaped by customer expectations.

To learn more about COVESA or to join our community, visit www.covesa.global.