New converged solution by G+D Mobile Security integrates SIM and other security applications on a single chip

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Giesecke+Devrient Mobile Security has developed a new solution that enables the integration of multiple security applications on a single security chip, e.g. for mobile connectivity, mobile payment, transit and other security applications. G+D will be presenting its solution for the first time at Mobile World Congress 2019.

As a leading provider of security technology and eSIM management services, Giesecke+Devrient (G+D) Mobile Security has developed a security solution for device manufacturers combining the eUICC (Embedded Universal Integrated Circuit Card) and the eSE (Embedded Secure Element) on a single chip. This allows the embedded SIM functionality to be combined with other services such as mobile payment, ticketing or secure authentication. The solution meets all relevant specifications and certification requirements of the GSMA as well as international payment and transit organizations. In addition, it has successfully completed end-to-end tests against all relevant back-end systems of mobile network operators (MNOs), banks or transit authorities.

The new converged solution is based on the Sm@rtSIM CX secure element product line and the AirOn eSIM management platform provided by G+D, including the required secure personalization and data management services. Sm@rtSIM CX is G+D's high-end platform, offering telecommunications, payment transactions, transportation, digital signatures and many other mobile and contactless applications in a secure, scalable and multi-application-capable product. G+D Mobile Security's eSIM management solution enables secure activation, provisioning, management and deactivation of SIM profiles on mobile devices without having to exchange a physical SIM card. By using the eSIM management solution, the services of multiple mobile network operators can be managed efficiently on a single device using an embedded SIM card. G+D's new solution allows the combination of eSIM functionality according to GSMA RSP 2.2 specifications with Visa or Mastercard payment solutions, chip card and transit schemes such as MIFARE or FeliCa on a single chip.

Device makers and end users will benefit from the new integrated solution. The space-saving format of the single-chip solution enables device makers to develop smaller, leaner and therefore more attractive products, enabling a wide range of functions easily, quickly and securely on a fully integrated platform. They can also reduce the number of suppliers and components, resulting in less integration effort and the avoidance of compatibility problems. End users with mobile devices using the G+D platform can use the device's eSIM functionality including mobile payment or mobile ticketing – in a secure and seamless way.

"The new converged solution is the first of its kind that will be commercially available, standards-compliant and tested for interoperability" explains Carsten Ahrens, CEO of G+D Mobile Security. "It helps device manufacturers optimize PCB layouts, reduce costs, and differentiate themselves from the competition by providing all relevant services on a single chip."

The new solution by G+D Mobile Security will be available in the third quarter of 2019.

G+D Mobile Security will also be showcasing the solution at MWC Barcelona from February 25 to 28 at booth 7A41 in hall 7.

About G+D Mobile Security

G+D Mobile Security is a global mobile security technology group headquartered in Munich, Germany. The company is part of the Giesecke+Devrient Group. G+D Mobile Security has around 5,700 employees worldwide and generated sales of around 812 million euros in the 2017 financial year. More than 40 sales offices and more than 20 certified production and personalization locations worldwide ensure international customer proximity.
G+D Mobile Security manages and secures billions of digital identities over their entire lifecycle. Our products and solutions are used daily by banks, network operators, manufacturers of mobile devices and automobiles, health insurance companies, private and public transport companies and their customers to secure mobile payment, communication and interaction between devices. G+D Mobile Security holds a leading competitive and technological position in these markets.