Ready for UN Regulation No. 155 and ISO/SAE 21434?

Our long experience in the security field makes us an excellent partner for ensuring you have carried out design, specification, component testing and system testing according to security industry best practice.

Being situated in Gothenburg, we have had the forefront of the automotive industry, research and development right by our doorstep since we started. Since then our expertise has been employed on the local as well as the international scene.
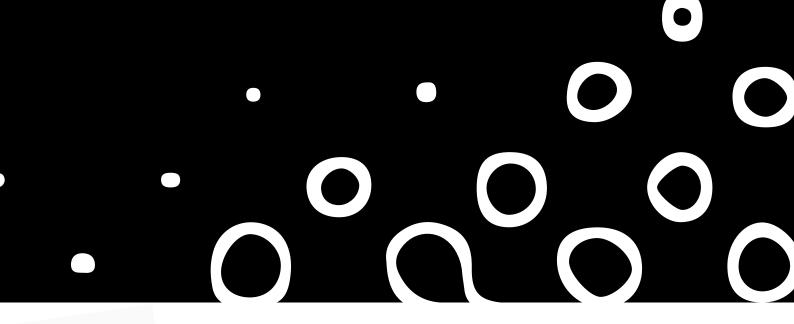
Infotainment and telematics

As vehicles become more and more dependent on being online with a plethora of connected services, our expertise in penetration testing, embedded security and network infrastructure is highly appreciated by manufacturers and developers of connected vehicles.

Infotainment and telematics systems are core components in modern vehicles. Their connectivity features contribute to the attack vector for external threats.

We specialize in finding vulnerabilities in these systems and proposing mitigations to improve security and making the vehicle compliant with UN Cybersecurity Regulation No. 155 and the ISO/SAE 21434 standard.

Be it an electric hypercar, a hybrid car-sharing platform, a self-driving truck, a connected bus for local transport or any type of vehicle in between: Assured's security consultants have the tools and qualified experience to assess the security of such vehicles.

Penetration test reports

Our penetration test reports for automotive security testing are constructed in a way that the issues reported: are easy to understand, reproduce and verify; are risk assessed according to recipients' needs; have a clear mitigation strategy; and relate to threats in UN R155 Annex 5.

We help our clients take their products from the design stage to production in a secure manner by assisting in threat modelling and risk analysis, protocol and application design reviews and implementation of security features. We assess and verify systems' security posture through penetration testing, code analysis and configuration reviews.

References

We've worked with several prominent parties in the automotive industry in short-term projects, as long-term contractors and as research partners.

Assured enthusiastically participates in research projects into how vehicles and the automotive industry can be secured.

Get in touch if you want to know more!

Education and training

We offer a hands-on security workshop "CAN Hack!", for anyone with an interest in automotive security, hacking and embedded system security. Participants learn how a modern vehicle communicates and how to exploit vulnerable or weak implementations of security concepts. The workshop includes theory and practice with interesting challenges and a race for the win!

Assured also offers talks, training and workshops on everything from application security to cryptography and secure infrastructure.

About Assured

Our team of senior security specialists provide companies and organizations with world-class IT/information security competence. We base our consultancy on a shared passion for security.

We've found that working as a team is key not only to running a successful business, but also to delivering at the highest level for our customers. Everyone at Assured has a skillset and a personality which enhances this shared vision, it is absolutely vital for the work we do.

Security should be non-blocking and transparent. We apply these values not only in the work we deliver, but also in how we work internally.

To stay ahead of the game, we strive for continuous learning, invest in research projects and participate actively in the security community.

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Our office is conveniently located in central Gothenburg, Norra Allégatan 7. Come by for a coffee and say hello!