UNECE Services

The UNECE R155 and R156 regulations contain cybersecurity and software update requirements, to strengthen the safety and security of automotive systems. From 1st of July 2024, automotive suppliers are required to comply with this regulation. We can help you reach compliance.

These UNECE Services give you:

Insight into readiness

You gain insight into how your current security controls relate to the UNECE R155/R156 requirements.

Action to take

You receive concrete recommendations for action so that you can get your vehicle certified.

A global partner

You benefit from our broad experience in the automotive sector, from small to large companies.

Why choose UNECE Services?

To better protect vehicles and consumers against growing cyber threats, **UNECE**, the United Nations Economic Commission for Europe, has created two regulations concerning vehicle cybersecurity and software updates requirements. **R155** focusses on the Cyber Security Management System (CSMS). **R156** focusses on the Software Update Management System (SUMS). The scope of the regulations includes a wide range of vehicles, including a number of industrial vehicles, personal vehicles, a number of transportation vehicles and trailers. Do you plan on selling your vehicle or product to a country covered by UNECE? Then you need to comply with R155/R156 from 1st of July 2024. As a recognized Technical Service, we can support you with official UNECE audits, as well help you prepare for compliance.

The UNECE Services we offer

Training	R155 and R156 Gap Assessment	R155 Risk Assessment	Implementation Support	Certification Support

UNECE Training

It is crucial for you to gain thorough understanding of the regulation's requirements, and the impact they might have on the management systems or the vehicle, especially since the automotive domain relies heavily on the supply chain. We can provide remote or on-site workshops on the requirements.

Gain deep insight into the workings of UNECE R155/R156 and make sure your staff has the knowledge and skills they need to reach compliance.

Save weeks of research: our experts have extensive experience in the UNECE regulations and are happy to share their knowledge.

Receive a training tailored to your needs: our trainers take your company into account when preparing this training, so it answers the questions you have.

UNECE R155 and R156 Gap Assessment

To reach compliance with UNECE Cybersecurity (R155) or Software Updates (R156) compliance, you need to know how your existing controls or processes relate to the regulations. To help you gain this insight, we can conduct a UNECE Gap Assessment.

How a UNECE Gap Assessment works

1	Our experts obtain knowledge of your existing processes and documentation relating to your CSMS (R155) or SUMS (R156).
2	Based on thorough documentation review and interviews with your specialists, we confirm your maturity and identify potential gaps.
3	You receive a report of the findings. It also details recommendations, so that you can take the necessary steps to reach UNECE compliance.

UNECE R155 Risk Assessment / TARA

Which attack paths can an attacker use to compromise your vehicle or vehicle part? The UNECE R155 Risk Assessment is built around 4 interactive workshops. You gain insight into threats through an initial Threat Modeling session, we review attack paths, do risk calculation and draw up joint conclusions. The resulting TARA is fully compliant with the R155 and ISO 21434 requirements, and you can use it as direct evidence for certification.

Implementation and Testing Support

Based on the results of the Gap Assessments and Risk Assessments we can help you address gaps in line with UNECE R155 and R156. For instance, we can help you create a plan of approach to address the gaps as efficiently as possible and we can organize focused sessions with the relevant process owners. An important part of the UNECE cybersecurity regulation is the demonstration of the security features integrated into the vehicle. We have extensive testing experience and can help you perform the necessary tests.

Drafting and implementing all CSMS and SUMS process documents can be difficult and time-consuming for you as a vehicle manufacturer. Our consultants have a lot of experience in this area. This means they can help you make sure that all necessary documents are ready for certification quickly and effectively.

Certification and Type Approval

As a designated **Technical Service** (E4, E5, E24, E49) we can support you with the formal UNECE CSMS/SUMS certification of processes, and type approval of your vehicles.

What our customers say

"We will make the deadline"

"To be honest, we were not sure we would be able to implement UNECE in time. The Implementation Support Secura gave us really helped to speed the process up. I am sure we will make the deadline."

Related Services

Design reviews

Are your vehicle and its components ready to meet all the necessary R155 security controls and threats? We can support you with focused design review sessions, both for whole vehicles or individual components, taking into account all the R155 requirements.

Vehicle and component pentesting

Under R155 and R156, the vehicle architecture must be able to resist penetration testing. Is your design ready for this? We can help you conduct focused and specialized pentesting assignments, on specific components or on the whole vehicle and backend.

About Secura / Bureau Veritas

Secura is a leading cybersecurity company. We help customers all over Europe to raise their cyber resilience. Our customers range from government and healthcare to finance and industry. We offer technical services, such as vulnerability assessments, penetration testing and red teaming, but also audits, forensic services and awareness training.

Secura is a Bureau Veritas company. Bureau Veritas (BV) is a publicly listed company specialized in testing, inspection and certification. BV was founded in 1828, has over 80.000 employees and is active in 140 countries.

Example case | UNECE Services

What problem did the customer have?

An international heavy-duty vehicle manufacturer wanted to certify its vehicles and asked us to support them with the whole R155 lifecycle. This started from an initial training, all the way to complete preparation for the type approval.

Result

We helped this OEM with tailored services such as training, gap analysis, implementation support and a final pre-audit. We also supported in the communication with external suppliers. The OEM got smoothly certified for R155 and R156 for its vehicles.

Interested?

Contact us today to start raising your cyber resilience.

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