

AUTOMOTIVE CYBER SECURITY

BASED ON ISO 21434 & SAE J3061

Three-Day Training with Optional CACSP Qualification Exam

SGS-TÜV Saar and kVA introduce *Automotive Cyber Security Training* in the U.S. Over the course of three days, participants will gain an understanding of the commonalities between safety and security processes and their impact on the automotive industry. Additionally, methods of incorporating cyber security with the functional safety standard ISO 26262 will be covered.

1 **Introduction to Cyber Security**
Day 1 training will address cyber security introductions applicable to the automotive industry. Participants will learn how to mitigate the risk of threats.

- Introduction to Cyber Security
- Key Definitions of Terms
- Example Threats
- Overview of Cyber Security Standards

2 **Introduction to SAE J3061**
Day 2 training will address best practices for cyber security development processes. Common tools and methods used for designing, verifying and validating cyber security will be discussed.

- Introduction to SAE J3061
- Cyber Security Management
- Cyber Security Lifecycle
- Comparison of SAE J3061 & ISO 26262 Lifecycle

3 **Introduction to ISO 21434**
Day 3 training will address cyber security requirements and examples from practice as they relate to road vehicles. A framework is established for product, hardware and software development processes.

- Introduction to ISO 21434
- Risk Management
- Comparison of ISO 21434 & ISO 26262 Lifecycle
- Product Development Lifecycle
- Supporting Processes

Optional CACSP Personal Qualification Exam

In the afternoon participants have the option to achieve CACSP "Certified Automotive Cyber Security Professional" qualification by SGS-TÜV Saar. This one hour written exam consists of all multiple-choice questions.

CONTACT US

This training is held at multiple sites in the U.S. throughout the year. To register for one of our events visit kvausa.com/training/.