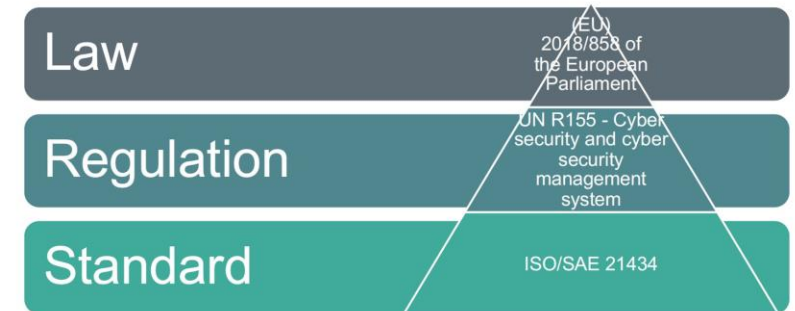


Talk 1: Christoph Schmittner ATI, AT Automotive Cyber-Security – from standards to regulations



- Vehicular security
- Regulations (mandatory) vs. standards (not mandatory)
- Global view of automotive Cybersecurity (CS) regulations – interesting world map
- UN R155 CS and CS management system (CSMS)
- CSMS from R155 to ISO/SAE 21434 and ISO PAS 5112
- Divide between experts in security, experts in automotive
- Vehicle type cybersecurity
- ISO/SAE 8475
 - Cybersecurity Assurance Levels (CAL) and Target Attack Feasibility (TAF)
- CS of items does not imply CS of architecture
- Several enjoyable Charllie Ciso cartoons

UN R155 CYBER SECURITY AND
CYBER SECURITY MANAGEMENT SYSTEM

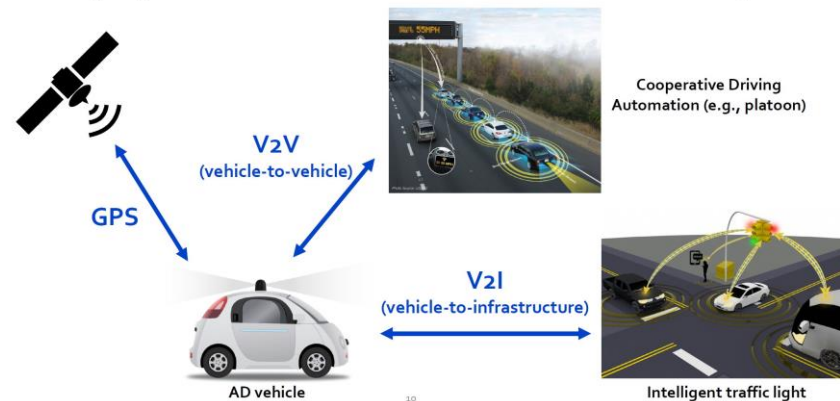


Talk 2: Qi Alfred Chen, UC Irvine, US

Cyber-Attacks Against AI Stack in Autonomous Driving and Intelligent Transportation

- AI stack: Brain for AD
- Cyber attack on AD (autonomous driving) and V2X

Today: Cyber-attack surface to AD & V2X-based transp. AI



- First automatic vulnerability discovery method in CV protocols using *model checking*
- Results



Discussion

Balanced well between the two talks

- Questions concerning
- Model checking
- Need for analysis by engineers to support standards
- Cybersecurity and Safety – To what extent dependent?

This was questioned and discussed more than other topics

■ Definition of (Road Vehicle) Cybersecurity per ISO/SAE 21434:2021

