

A very short intro: Achieving cybersecurity governance along the complete vehicle life- cycle – ISO/SAE 21434

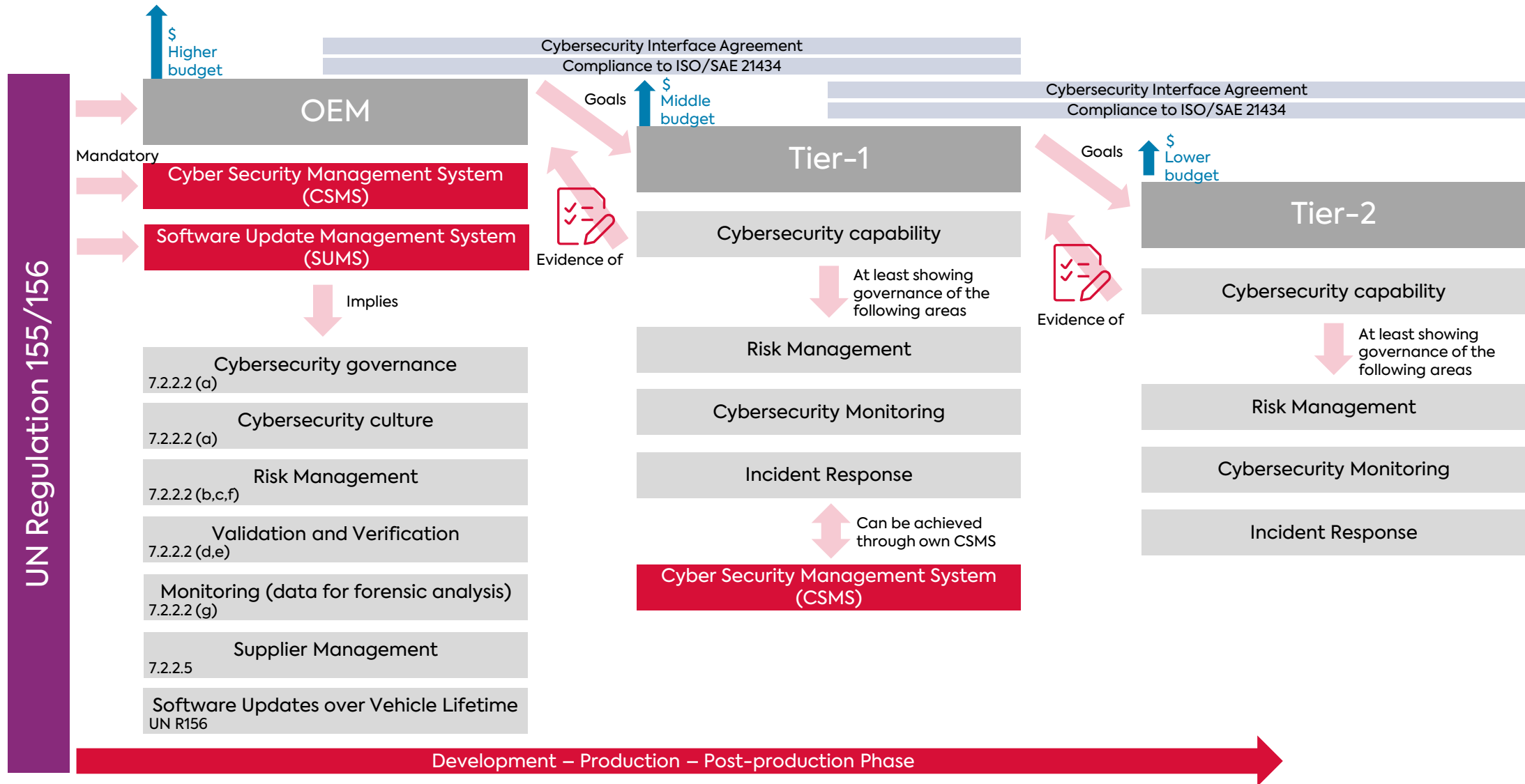
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Principal



Cybersecurity scope across production chain



What implies being “capable” of doing cybersecurity?

Tier-2

Cybersecurity capability

At least showing governance of the following areas

Risk Management

Cybersecurity Monitoring

Incident Response



- **Threat Analysis and Risk Assessment**
- Cybersecurity concept
- Cybersecurity engineering
- Assessments
- ...

Product Development

Products



Experience

Know-how



- Key Management and PKI systems

eID PKI SuiteaaS

- Adaptation of production lines
- Adaptation of Tools
- Validation and verification processes

Production



- Incident Response (e.g., with participation at Auto-ISAC)
- Change management
- Continuous monitoring / SOC

Post-Production

- Additional cybersecurity requirements for supply chain

NIS-2-Directive

- Gap Analysis
- Product / Process certification according to IEC 62443

How can a supporting partner improve the cybersecurity capability?



Evaluation, assessment and implementation of industry standards and regulatory requirements

IEC 62443 for OT/Production

ISO 2700X for Risk Management

NIST Risk Mgmt. Framework

ASPICE

TISAX

ISO/PAS 5112 Auditing

BSI IT-Grundschatz



Technical guidance regarding applied IT-security/cryptography for industry components and use cases

Concepts

TARA

PKI

Product CS Project Management



Vulnerability scanning and penetration testing for vehicles, ECUs and IoT components

Thank you!

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