Panel 1

Security challenges along the industrial value chain – how to harmonize national perspectives?

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Key Questions for this session

- What are the security challenges for implementing global industrial value networks?
  - Integrity of data, systems and processes
  - Know how protection
  - Counterfeiting prevention
  - Authenticity of the business partners
Key Questions for this session

- Which approaches is your initiative taking?
  - A holistic approach taking into account
    - Identification and authentication based on secure identities as a prerequisite
    - Secure communication with interoperable security profiles based on this
    - Ensuring the integrity of data, system and processes
    - Roles and permissions to limit the access
    - Skill profiles and organisational structures,

- What are the norms and standardization requirements?
  - Many of the required controls are well defined in IEC 62443 and ISO 27k
  - Missing
    - Standards for security profiles and how to deal with it are missing
    - Information classification scheme is required
    - Method for assessing the degree of trustworthiness of cooperation partners.
    - Standards for a global security infrastructure for cross-company communication
Key Questions for this session

- Which obstacles are ahead of us from your perspective (technical, organizational, sociological and regulatory)?
  - National regulatory frameworks vs. global value chains
  - Security is taken as afterthought rather than security by design
  - Until now, security is no quality feature for products and organizations

- Which issues will be at the centre of future cooperation of the Industrie 4.0 initiatives?
  - Focusing on selected topics (e.g. integrity, roles and rights management)
  - Harmonize the perspective and bring this perspective into the international standardization