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Maintenance

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Note: this threat catalog is used in this version of the specification. The catalog is based on BSI publications. ERORAT v3 and the corresponding Security Guideline are available on <https://ertms.be/activities/ertms-security-core-group>.

Document data

G 0.13 Interception of Compromising Interference Signals

G 0.14 Interception of Information / Espionage

G 0.15 Eavesdropping

G 0.16 Theft of Devices, Storage Media and Documents

G 0.17 Loss of Devices, Storage Media and Documents

G 0.19 Disclosure of Sensitive Information

G 0.20 Information or Products from an Unreliable Source

G 0.21 Manipulation of Hardware or Software

G 0.22 Manipulation of Information

G 0.23 Unauthorised Access to IT Systems

G 0.24 Destruction of Devices or Storage Media

G 0.28 Software Vulnerabilities or Errors

G 0.29 Violation of Laws or Regulations

G 0.30 Unauthorised Use or Administration of Devices and Systems

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G 0.35 Coercion, Blackmail or Corruption

G 0.36 Identity Theft

G 0.37 Repudiation of Actions

G 0.38 Misuse of Personal Information

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G 0.42 Social Engineering

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G 0.47 Harmful Side Effects of IT-Supported Attacks

IND.1.2 Insufficient integration of OT into the safety organisation

IND.1.3 Insufficient integration of OT into operational processes

IND.1.4 Insufficient physical access protection

IND.1.5 Unsecure project planning process/application development process

IND.1.6 Unsecure administration concept and remote administration

IND.1.7 Insufficient monitoring and detection procedures

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IND.2.1.3 Insufficient logging

IND.2.1.9 Manipulated firmware

IND.2.2.1 Incomplete documentation

IND.3.2.1 Incompletely documented remote maintenance access in the OT

IND.3.2.2 Insufficient availability due to dependencies on office and building IT

IND.3.2.3 Insufficient regulations for the use of OT remote maintenance access

IND.3.2.4 Insufficient human oversight over OT remote maintenance sessions

IND.3.2.5 Direct IP-based access to systems from insecure zones

IND.3.2.6 Insecure alternative OT remote maintenance access in the event of faults

IND.3.2.7 Insecure design of OT remote maintenance accesses

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OPS.1.1.3.6 Insufficient recovery options for patch and change management

OPS.1.1.3.8 Manipulation of data and tools during patch and change management

Created by	System Pillar Cybersecurity Domain
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Document History

Version	Date	Description	Status
1.1	23-MAR-2026	Error correction and additional guidance for version 1.0	released
1.0	20-FEB-2025	Initial public release	released

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