EU-RAIL SYSTEM PILLAR

Release Note Cybersecurity Specification V1.1.1

Version: 1.1.1

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Document data

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Document History

Version	Date	Description	Status
1.1.1	28-OCT-2026	Release for ERA Technical Documents	released
1.1	23-MAR-2026	Error correction and additional guidance	released
1.0	20-FEB-2025	Initial public release	released

Maintenance

After release, this document immediately enters the maintenance phase. Maintenance includes error corrections and general improvement of the document. Please send your change requests to the following email address: cybersecurity.review@ertms.be

1.1 Release Content

SPP-22628 - The release is implementing the requirements from EU regulations and directives (NIS2, CSA, CRA, RED) and international standards (ISO 27001, IEC 62443, CENELEC TS 50701 / IEC PT 63452). This simplifies achieving compliance to these standards significantly. The requirements are implemented by four main specifications (Secure Component Specification, Secure Communication Specification, Shared Cybersecurity Services Specification, Secure Program Requirements) and supporting documents. **[** Open **]**

1.2 Restrictions of use and Application conditions

SPP-23521 - The Cybersecurity specification have following restrictions:

- Compliance tracing to IEC PT 63452 uses an intermediate draft version from Jan 2025. The final standard is expected earliest in 2027. The Cybersecurity specification will be updated once the standard is finalised.
- For EU CRA regulation (Cyber Resilience Act), harmonised standards are being developed. Once draft and final version will be available, an update of the Cyberseucrity specification is foreseen.
- Cybersecurity certification aspects and EU CE conformity requirements are not included in this version of
  the specifications. This aspect will be investigated in future work of the Cybersecurity domain

[Open **]**

1.3 STIP items addressed by the release

SPP-22631 - The STIP V2 items covered by this release are:

STIP item	Coverage (full| partial)	Comment
STIP_V2_175	partial	Shared Cybersecurity Services Specification V1.1.1 will be used as base for enhancement proposal for TSIs
STIP_V2_175	partial	Secure Communication Specification V1.1.1 will be used as base for enhancement proposal for TSIs
STIP_V2_175	partial	Secure Program Requirements V1.1.1 will be used as additional material for enhancement proposal for TSIs if necessary
STIP_V2_175	partial	Secure Component Specification V1.1.1 will be used as additional material for enhancement proposal for TSIs if necessary

[Open **]**

1.4 Main enhancements from the previous release

SPP-23522 - Documents entered maintenance phase after release version ESPR1.1. In total 54 changes where processed by the domains' change control management process based on the SP change process. All processed changes with approval until 20.10.2026 have been implemented and verified for this release. **[** Open **]**

SPP-60002 - The domain wants to thank all contributors for their constant efforts in further enhancing the quality of the Cyber Security Specifications. **[** Open **]**

SPP-60051 - Major changes compared to previous version v1.1:

opic	Description	Document
TWG comments	All accepted comments integrated	SP-SEC-CommSpec, SP-SEC-ServSpec
SSI usage	Added clarification in Chapter 3	SP-SEC-ServSpec
SSI-MNT	Interface SSI-MNT (maintenance) described in more detail	SP-SEC-ServSpec
SSI-BKP	Interface SSI-BKP (Backup) described in more detail	SP-SEC-ServSpec
SSI-MNT	Added background information to Interface SSI-IAM (Identity and Access Management)	SP-SEC-ServSpec
Certificate validation	Consolidated certificate validation requirement in new Chapter of SP-SEC-Comm Spec	SP-SEC-CommSpec
Other interfaces	Moved Chapter 6 of SP-SEC-Comm Spec "Securing other communication interfaces" to a separate document	SP-SEC-CommSpec, SP-SEC-OtherComm

[Open]

1.5 Deliverables

SPP-25225 -

Document Status	Document ID	Document Name	Name of Document Baseline in Polarion
Released	SP-SEC-MigGuide	Migration Guideline	856544 - V1.1 Release
Released	SP-SEC-PrdDocTmpl	Product Documentation Template	856545 - V1.1 Release
Released	SP-SEC-SysDesc	System Description	856548 - V1.1 Release
Released	SP-SEC-ThreatCat	Threat Catalogue	856550 - V1.1 Release
Open	SP-SEC-DetRiskAss	Detailed Risk Assessment	856542 - V1.1 Release
Open	SP-SEC-InitRiskAss	Initial Risk Assessment	856543 - V1.1 Release
Open	SP-SEC-RegCompl	Regulatory Compliance	999505 - V1.1.1 Release
Open	Release Note Cybersecurity Specification V1_1_1	Release Note Cybersecurity Specification V1.1.1	999507 - V1.1.1 Release
Open	SP-SEC-CommSpec	Secure Communication Specification	999333 - V1.1.1 Release
Open	SP-SEC-CompSpec	Secure Component Specification	999332 - V1.1.1 Release
Open	Securing External Communication Interfaces	Securing External Communication Interfaces	999339 - V1.1.1 Release

Document Status	Document ID	Document Name	Name of Document Baseline in Polarion
Open	SP-SEC-PrgmReq	Security Program Requirements	999334 - V1.1.1 Release
Open	SP-SEC-ServSpec	Shared Cybersecurity Services Specification	999335 - V1.1.1 Release
Open	SP-SEC-SuppEssFunc	Support for Essential Functions	999342 - V1.1.1 Release
Open	SP-SEC-Taxonomy-References	Taxonomy and References	999345 - V1.1.1 Release

[Open]

SPP-60003 - Although the document status in the table above is indicated as "open', the documents have been approved as part of the 1.1.1 release in October 2026. They have been published by Cybersecurity Domain as "EU-Rail Cybersecurity Specification V1.1.1" in October 2026 and are considered authoritative. **[** Open **]**

1.6 More information

1.6.1 Document Maintenance

SPP-23519 - After release, the released documents immediately enter the maintenance phase. Maintenance includes error corrections and general improvement of the documents. Please send your change requests to the following email address:
cybersecurity.review@ertms.be **[** Open **]**

1.6.2 Release by Cybersecurity Domain

SPP-23518 - This release will be published in parallel by the Cybersecurity Domain as "Cybersecurity Specification V1.1.1" in October 2026 and will be available publicy on the EU-RAIL website . The release contains known open problems (see ~~SPP-20991~~ - *Missing cross-reference*). **[** Open **]**

1.7 Problems Fixed

SPP-60004 -

CR or Issue Id	Issue Severity	Change Request or Issue title	Comment
SPPRAMS-14792	critical	Errors in SCS-IAM interface	change implemented and verified
multiple	various	improvements and clarifications (both technical and editorial)	in total 54 changes were implemented and verified since last release
multiple	various	Comments from ERA Topical Working Gruop on Cyber Security for Shared Cyber Security Services Specifications and Secure Communication Specifications	all changes based on comments from the ERA TWG have been resolved, implemented and verified in this release

[Open **]**

1.8 Known open problems, issues

SPP-60035 - The domain has currently open change requests about potential issues, various improvements and clarifications (both technical and editorial) where the change management is still in progress. **[** Open **]**