

OCORA

Open CCS On-board Reference Architecture

Release Notes

OCORA Release R5.1

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Revision history

Version	Change Description	Initial	Date of change
0.90	DRAFT version for Review	LDL	18.06.2024
1.00	Final version for R5.1	LDL	01.07.2024

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1 Release

This is a minor maintenance release of the former OCORA Release R5. It contains only the introduced changes to R5. The purpose of this maintenance release is to provide a stable and updated OCORA documentation baseline for the ongoing work in EU-Rail.

The OCORA maintenance release R5.1 provides in addition to R5 two new documents:

- Train Display System – PoC Concept and
- Virtual ETCS Transponder Service – Discussion Paper


as well as minor updates of the following already under R5 existing documents, that result from various sector discussions:

- Train Display System – Concept,
- OCORA Addendum to SUBSET-147,
- Modularisation Roadmap, considering feedback on the computational platform and
- System Architecture and CCS-OB architecture, considering feedback on the computational platform.

2 Imprint

- Publisher: OCORA Cooperation
- Channel: OCORA publishes exclusively over <https://github.com/OCORA-Public/Publication>
- Any feedback for OCORA is welcome! If you would like to attend a workshop or give feedback, please contact luca.de_libero@sbb.ch. For specific feedback the *OCORA-BWS01-040 – Feedback Form* shall be used.
- For active collaboration (within the OCORA framework) the OCORA Code of Conduct must be accepted and signed. In case of interest for active collaboration and you are eligible to become a partner according to the OCORA Code of conduct, please drop a "interest of becoming a OCORA member by E-mail" to luca.de_libero@sbb.ch.
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3 Authors and Reviewers

The OCORA maintenance Release has been reviewed by several technical experts, approved by the OCORA Core Team and endorsed for publication by the OCORA Steering Committee. 

4 Content

Doc ID – Doc Title	Change	Version
Release Documentation from Business Workstream BWS01		
OCORA-BWS01-010 – Release Notes	Update for R5.1	0.90
OCORA-BWS01-020 – Glossary	No update for 5.1	0.00
OCORA-BWS01-030 – Question and Answers	No update for 5.1	4.11
OCORA-BWS01-040 – Feedback Form	No update for 5.1	1.00
Communication Material from Business Workstream BWS02		
OCORA-BWS02-020 – Program Slide Deck	No update for 5.1	1.00
OCORA-BWS02-030 – Technical Slide Deck	Update for R5.1	5.10
Program Documentation from Business Workstreams BWS03-08		
OCORA-BWS03-010 – Introduction to OCORA	No update for 5.1	6.30
OCORA-BWS03-020 – Guiding Principles	No update for 5.1	2.10
OCORA-BWS04-010 – Problem Statements	No update for 5.1	4.20
OCORA-BWS05-010 – Road Map	No update for 5.1	2.30
OCORA-BWS06-010 – Economic Model – Guiding Principles - Assumptions - Assessment Criteria	No update for 5.1	2.11
OCORA-BWS06-020 – Economic Model	No update for 5.1	1.00
OCORA-BWS06-030 – Economic Model – Model Description	No update for 5.1	2.11
OCORA-BWS06-040 – Economic Model – User Manual	No update for 5.1	2.11
OCORA-BWS06-050 – Economic Model – CCS System Life Cycle Costing Scenario Studies	No update for 5.1	1.11
OCORA-BWS06-060 – Economic Model – CCS Impact on Vehicle System Life Cycle Costing Scenario Studies	No update for 5.1	1.10
OCORA-BWS06-070 – Economic Model – Evolution of the modeling	No update for 5.1	1.10
OCORA-BWS07-010 – Alliances	No update for 5.1	4.22
OCORA-BWS08-010 – Methodology	No update for 5.1	3.01
OCORA-BWS08-020 – Tooling	No update for 5.1	3.10
Technical Documentation from Technical Workstreams TWS01-15		
OCORA-TWS01-010 – Design Requirements	No update for 5.1	2.2
OCORA-TWS01-020 – Operational & System Analysis	No update for 5.1	4.00
OCORA-TWS01-025 – Modularisation Roadmap Proposal	Update for R5.1	1.20
OCORA-TWS01-030 – System Architecture	Update for R5.1	5.10
OCORA-TWS01-035 – CCS On-Board (CCS-OB) – Architecture	Update for R5.1	5.10
OCORA-TWS01-040 – Capella Modelling	No update for 5.1	3.20
OCORA-TWS01-041 – MBSE Modelling Guidelines	No update for 5.1	2.10
OCORA-TWS01-050 – Capella Model Export	No update for 5.1	30.11.23
OCORA-TWS01-100 – Localisation On-Board (LOC-OB) – Introduction	No update for 5.1	4.00
OCORA-TWS01-101 – Localisation On-Board (LOC-OB) – Requirements	No update for 5.1	3.1
EUG 22E126 – LOC-OB System Definition & Operational Context	No update for 5.1	1.2
EUG 22E135 – LOC-OB Risk Analysis	No update for 5.1	2.0
OCORA-TWS01-112 – Automated Train Protection On-Board (ATP-OB) - MLM Interface Analysis	No update for 5.1	1.1
OCORA-TWS01-201 – Train Display System – Concept	Update for R5.1	3.0
OCORA-TWS01-220 – Train Display System – PoC Concept	New for R5.1	1.0
OCORA-TWS01-301 – Virtual ETCS Transponder Service – Discussion Paper	New for R5.1	1.0
OCORA-TWS02-010 – CCS Communication Network – Evaluation	No update for 5.1	5.01
OCORA-TWS02-020 – CCS Communication Network – Proof of Concept (PoC)	No update for 5.1	5.00
OCORA-TWS02-030 – OCORA Addendum to SUBSET-147	Update for R5.1	2.03
OCORA-TWS03-010 – SCP – Whitepaper Computing Platform for Railway Applications	No update for 5.1	1.10
OCORA-TWS03-020 – SCP – High-Level Requirements	No update for 5.1	4.10
OCORA-TWS03-030 – SCP – Specification of the PI API between Application and Platform	No update for 5.1	2.00
OCORA-TWS04-010 – Functional Vehicle Adapter – Introduction	No update for 5.1	6.00
OCORA-TWS04-011 – Functional Vehicle Adapter – Requirements	No update for 5.1	3.00
OCORA-TWS04-012 – Standard Communication Interface Specification - SCI-TCMS	No update for 5.1	5.10
OCORA-TWS04-015 – OCORA Addendum to SUBSET-119	No update for 5.1	0.40
OCORA-TWS04-016 – OCORA Addendum to SUBSET-139	No update for 5.1	0.30
OCORA-TWS05-010 – Requirements – Management Guideline	No update for 5.1	2.20
OCORA-TWS05-020 – Stakeholder Requirements	No update for 5.1	2.2
OCORA-TWS05-021 – Program Requirements	No update for 5.1	2.2
OCORA-TWS07-010 – RAMS – Modular Safety Strategy	No update for 5.1	3.51
OCORA-TWS07-020 – RAMS – Evolution Management	No update for 5.1	3.51
OCORA-TWS07-030 – RAMS – SRAC/AC Management	No update for 5.1	2.71
OCORA-TWS07-040 – RAMS – Optimised Approval Process	No update for 5.1	2.31
OCORA-TWS07-050 – RAMS – RAM Strategy	No update for 5.1	2.11
OCORA-TWS07-060 – Configuration Management – Concept	No update for 5.1	2.0
OCORA-TWS07-100 – CENELEC Phase 1 – Concept	No update for 5.1	2.40
OCORA-TWS07-202 – QRAMSS – Plan	No update for 5.1	1.00
OCORA-TWS07-203 – RAMSS – Policy	No update for 5.1	1.00
OCORA-TWS08-010 – MDCM-OB – Introduction	No update for 5.1	1.03
OCORA-TWS08-030 – MDCM-OB – SRS	No update for 5.1	1.01
OCORA-TWS15-040 – CCS-OB Retrofit - Guideline for Projects	No update for 5.1	1.03
OCORA-TWS15-050 – PoC OMS SS-149 - Concept	No update for 5.1	0.30
OCORA-TWS15-051 – PoC OMS SS-149 - Results	No update for 5.1	1.0
OCORA-TWS15-060 – PoC Configuration Management - Concept	No update for 5.1	1.0

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