

OCORA

Open CCS On-board Reference Architecture

Release Notes

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Version: 1.00 Release: Delta

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Revision history

Version	Change Description	Initial	Date of change
0.90	DRAFT version for Review	RM	21.06.2021
1.00	Official version for OCORA Delta Release		30.06.2021
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1 Release Delta

The OCORA Delta Release is the fourth release (after Alpha, Beta and Gamma) of documents prepared by the OCORA cooperation.

- OCORA Delta adds new content and provides deeper insight into a selection of topics.
- It completely replaces the OCORA Alpha, Beta and Gamma Release.

OCORA Delta provides its content in a structured manner and provides topic specific documents. An overview is given in chapter 5 Content, highlights are:

- OCORA Delta continues to include feedback from sector dialogue with various stakeholders.
- OCORA Delta contains for the first-time the Economic Model
- OCORA Delta contains for the first-time a baseline of structured requirements
- OCORA Delta contains for the first-time a view into Testing

OCORA Delta is the fourth release and it is still in a preliminary state.

2 Imprint

- Publisher: OCORA Cooperation
- Channel: OCORA publishes exclusively over https://github.com/OCORA-Public/Publication
- OCORA liaison partners: UIC TOBA, RCA, CER
- Any feedback for OCORA is welcome! If you would like to attend a workshop or give a feedback, please contact jean-baptiste.simonnet@sncf.fr . 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 rolf.muehlemann2@sbb.ch .
- All OCORA deliverables and work will be published and licensed under the dual licensing Terms EUPL 1.2 (Commission Implementing Decision (EU) 2017/863 of 18 May 2017) and the terms and condition of the Attributions- ShareAlike 3.0 Unported license or its national version (in particular CC-BY -SA 3.0 DE).

3 Capella Model publishing Announcement

In addition to the official OCORA releases, frequent publications of the Capella Model shall facilitate discussions with other initiatives (e.g. RCA, X2Rail4, LinX4Rail) and/or potential suppliers without overreaching someone. Model updates will be available for download on OCORA public GitHub.

4 Authors and Reviewers

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







5 Content

Doc ID	Doc Title	Content	
Release Documentation from	Business Workstream BWS01		
OCORA-BWS01-010	Release Notes	General information about the release: why and what to read / feedback possibilities / etc.	
OCORA-BWS01-020	Glossary	The within OCORA used terms and definitions, as well as abbreviations and acronyms / Polarion Export of Definitions	
OCORA-BWS01-030	Question and Answers	Collection of frequently asked questions and related answers	
OCORA-BWS01-040	Feedback Form	Feedback form to structure internal and extern feedbacks	
Communication Material from	n Business Workstream BWS02		
OCORA-BWS02-010	Executive Summary Slide Deck	Update based on Gamma Release including Delta content (e.g. ER JU)	
OCORA-BWS02-020	Program Slide Deck	Update based on Gamma Release including Delta content (e.g. liaison and time plan ER JU)	
OCORA-BWS02-030	Technical Slide Deck	Update based on Gamma Release including Delta content	
OCORA-BWS02-040	Program Posters	Minor refinements	
OCORA-BWS02-050	Technical Posters	Update based on Gamma Release including Delta content	
OCORA-BWS02-060	Confidentiality Clause	OCORA Confidentiality Clause	
Program Documentation from	m Business Workstreams BWS0	3-09	
OCORA-BWS03-010	Introduction to OCORA	Minor refinements and carve out of guiding principles	
OCORA-BWS03-020	Guiding Principles	New document seperating the guiding principles from the general Introduction to OCORA	
OCORA-BWS04-010	Problem Statements	Minor refinements	
OCORA-BWS05-010	Road Map	Update	
OCORA-BWS05-020	Minimal Viable Product	Minor refinements	
OCORA-BWS06-010	Economic Model – Introduction & Overview	Update based on Gamma Release including Delta content	
OCORA-BWS06-020	Economic Model	New document containing the actual model	
OCORA-BWS07-010	Alliances	Minor refinements	
OCORA-BWS07-020	CCS On-board for Europe's Rail Joint Undertaking	Update based on Pre-Delta Gamma Release	
OCORA-BWS08-010	Methodology	Update based on Gamma Release including Delta content (e.g. Interlinking of CENELEC, Requirements Mgmt and MBSE)	
OCORA-BWS08-020	Tooling	Update based on Gamma Release including Delta content	
OCORA-BWS09-010	Acceptance of Global Standards	New document after skipping this subject matter in the Gamma Release	
OCORA-BWS09-020	Acceptance of Global Standards – Focus on Safety in CCS	New document	
Technical Documentation fro	om Technical Workstreams TWS	01-15	
OCORA-TWS01-030	System Architecture	Update based on Gamma Release including Delta content	
OCORA-TWS01-040	Capella Modelling	Update based on Gamma Release including Delta content	
OCORA-TWS01-050	Capella Model Export	Capella zip file from sandbox work	
OCORA-TWS01-910	CENELEC Phase 1 – Concept	New document	
OCORA-TWS02-010	CCS Communication Network – Evaluation	Update based on Gamma Release including Delta content	
OCORA-TWS02-020	CCS Communication Network – Proof of Concept (PoC)	New document	
OCORA-TWS03-010	Computing Platform – Whitepaper	Minor refinements including RFI results	
OCORA-TWS03-020	Computing Platform – Requirements	Polarion Export of corresponding D-Level Building Block Requirements (after RFI update, valid for both on-board & wayside)	
OCORA-TWS04-010	Functional Vehicle Adapter – Introduction	Update based on Gamma Release including Delta content	
OCORA-TWS04-011	Functional Vehicle Adapter – Requirements	New document / Polarion Export of corresponding D-Level Building Block Requirements	





OCORA-TWS04-012	Functional Vehicle Adapter – Standard Communication Interface Specification	New document after redefining the scope of the document
OCORA-TWS04-013	Functional Vehicle Adapter – Design Guideline	New documents
OCORA-TWS05-010	Requirements – Management Guideline	New document after redefining the scope of the document
OCORA-TWS05-020	Stakeholder Requirements	New document / Polarion Export of A-Level Stakeholder Requirements
OCORA-TWS05-021	Program Requirements	New document / Polarion Export of B-Level Program Requirements
OCORA-TWS05-022	Design Requirements	New document / Polarion Export of B-Level Design Requirements
OCORA-TWS06-010	(Cyber-) Security – Project Security Management Plan	New document
OCORA-TWS06-020	(Cyber-) Security – Guideline	Adjusted document
OCORA-TWS07-010	Modular Safety – Strategy	New document
OCORA-TWS09-010	Testing – Strategy (Guideline for Modular testing)	New document
OCORA-TWS09-020	Testing – Benchmarking Report Modular Testing	New document
OCORA-TWS15-010	Prototyping – ATO Demonstrator - Case Study - S2R-IP-5-ARCC	Update finalizing the report of this prototyping activity
OCORA-TWS15-020	Prototyping – CCS-TCMS- Interface-ETCS-Functionality	Update explicitly for prototyping activity
OCORA-TWS15-021	Prototyping – CCS-TCMS- Interface-ATO-Functionality	Update explicitly for prototyping activity

 Table 1
 Release Documents and Content

