

# OCORA

Open CCS On-board Reference Architecture

## Release Notes

### Beta Release

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## Revision history

Version	Change Description	Name (Initials)	Date of change
1.00	DRAFT Version for Review	RM	2020-06-26
1.01	Final Version	RM	2020-06-29
1.02	Revised list in chapter 3	RM	2020-07-02

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# 1 Release Beta

The OCORA Beta release is the second release (after Alpha) of documents prepared by the OCORA cooperation.

- OCORA Beta adds new content and provided deeper inside into a first selection of topics.
- It completely replaces the OCORA Alpha release.
- OCORA Beta provides its content in a structured manner and provides topic specific documents. An overview is given in chapter 3 Content.
- OCORA Beta contains additionally to the explanation around the who and the why in the Alpha release also a more solid foundation of the how. Therefore it is a first basis for an exchange with various stakeholders.
- OCORA Beta is the second 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 partner: 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](mailto:jean-baptiste.simonnet@sncf.fr) . For specific feedback the OCORA-10-003-Beta, 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 mail" to [rolf.muehlemann2@sbb.ch](mailto: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 Content

Doc ID	Doc Title	Content
<b>Release Information</b>		
OCORA-10-001-Beta	Release Notes	General information about the release: why and what to read / feedback possibilities / etc.
OCORA-10-002-Beta	Review Plan	Defines who must review what section, including review deadlines
OCORA-10-003-Beta	Feedback Form	Excel Form allowing to provide review feedback
<b>Communication Material</b>		
OCORA-20-001-Beta	Program Slide Deck	Official slide set for presenting program aspects (e.g. problem statements, road map, etc.)
OCORA-20-002-Beta	Technical Slide Deck	Official slide set for presenting technical aspects (e.g. architecture, UVCC Bus Evaluation, etc.)
OCORA-20-003-Beta	Program Posters	Official posters for presenting program aspects (e.g. problem statements, road map, etc.)
OCORA-20-004-Beta	Technical Posters	Official posters for presenting technical aspects (e.g. architecture, UVCC Bus Evaluation, etc.)
<b>Program Documentation</b>		
OCORA-30-001-Beta	Introduction to OCORA	Outlining the OCORA initiative and providing an introduction
OCORA-30-002-Beta	Problem Statements	Problem Statements for CCS On-board
OCORA-30-003-Beta	Road Map	Presenting and explaining the OCORA road map
OCORA-30-004-Beta	Business Objective and Economic Model	Presenting and explaining the OCORA economic evaluation
OCORA-30-005-Beta	Alliances	Providing an overview on OCORA alliances / liaisons
OCORA-30-006-Beta	High Level Methodology	Presenting the methodology used in the OCORA program
OCORA-30-007-Beta	High Level Tooling	Presenting the tooling used in the OCORA program
OCORA-30-008-Beta	Acceptance of Global Standards	Proposal for global standards to be used for OCORA based tenders
OCORA-30-009-Beta	Minimal Viable Product-MVP	MVP for 1st iteration
OCORA-30-010-Beta	Set of Requirements	Proposal for OCORA requirements
<b>Technical Documentation</b>		
OCORA-40-001-Beta	System Architecture	Design goals, design principles, various architectural views, component and IF identification
OCORA-40-002-Beta	System Architecture – Capella Model	Proposal for OCORA Capella model
OCORA-40-003-Beta	UVCC Bus Evaluation	Evaluation of Bus Technology
OCORA-40-004-Beta	Computing Platform - Whitepaper	Description of the intended computing platform (hardware & runtime environment)
OCORA-40-005-Beta	Functional Vehicle Adapter - Introduction & Overview	Proposal for OCORA CCS Vehicle Adapter
OCORA-40-006-Beta	CCS-TCMS Interface - ETCS Functionality SS119	Application SS 119 (ETCS OBU – Vehicle interface)
OCORA-40-007-Beta	CCS-TCMS Interface - ATO Functionality SS139	Application SS 139 (ATO OBU – Vehicle interface)
OCORA-40-008-Beta	(Cyber) Security	Proposal for OCORA cyber security approach
<b>Supporting Documents</b>		
OCORA-90-001-Beta	Question and Answers	Answers to questions from various stakeholders
OCORA-90-002-Beta	Glossary	Terms, Definitions, Abbreviations, and Acronyms used in OCORA documentation

Table 1 - Beta Release Documents and Content

### 4 Authors and Reviewers

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