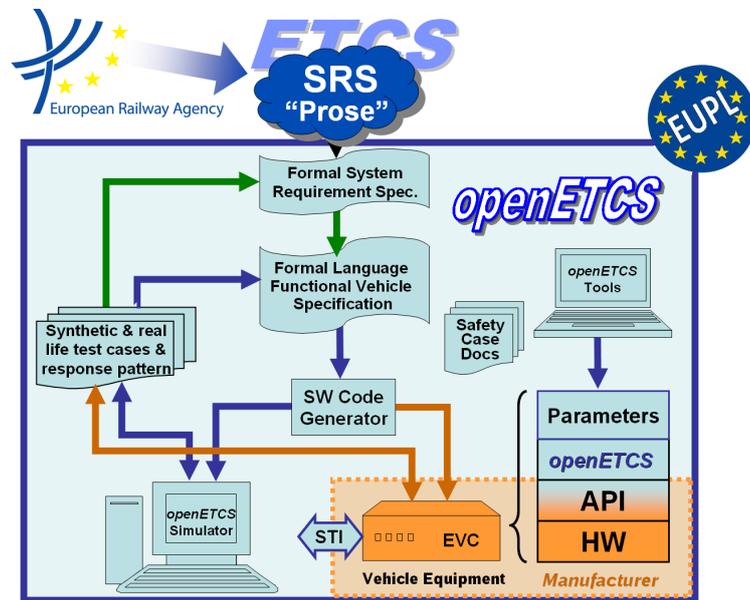


Work-Package 3: “Modelling”

# Open Source Code

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December 2015



Funded by:



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**Work-Package 3: “Modelling”****OETCS/WP3/D3.8  
December 2015**

# Open Source Code

## Document approbation

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## Deliverable

Prepared for openETCS@ITEA2 Project

**Abstract:** This document represents deliverable D3.8 "Open Source Code" of the openETCS project. Since this is a software deliverable this document only provides links to the source code of the openETCS onboard unit (OBU) developed in work package 3 "Modelling" of the project.

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## Modification History

Version	Section	Modification / Description	Author
1.0	all	initial release	Peter Mahlmann

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## 1 Introduction

A primary goal of the openETCS ITEA2 project is to provide a formal specification and a non-vital reference implementation of an ETCS onboard unit (OBU) according to the specification defined in Subset-026 by the European Railway Agency (ERA).

This deliverable, i.e. D3.8, provides the open source code of the openETCS OBU, which has been developed in work package 3 “Modelling” of the project. Further information about the model respectively source code can be found in the following openETCS documents and deliverables:

- the corresponding SysML model (SCADE System), available at [https://github.com/openETCS/modeling/tree/master/model/sysml/openETCS\\_EVC](https://github.com/openETCS/modeling/tree/master/model/sysml/openETCS_EVC),
- the corresponding functional model (SCADE Suite), available at [https://github.com/openETCS/modeling/tree/master/model/Scade/System/OBU\\_PreIntegrations/openETCS\\_EVC](https://github.com/openETCS/modeling/tree/master/model/Scade/System/OBU_PreIntegrations/openETCS_EVC),
- the corresponding functional design description, i.e. D3.6.4, available at <https://github.com/openETCS/modeling/blob/master/deliverables/D3.6.4.docx>, and
- the documentation of the generic openETCS Application Programming Interface (API), available at [https://github.com/openETCS/modeling/blob/master/openETCS%20ArchitectureAndDesign/D3.5.4%20\\_API/D3.5.4-API.pdf](https://github.com/openETCS/modeling/blob/master/openETCS%20ArchitectureAndDesign/D3.5.4%20_API/D3.5.4-API.pdf).

## 2 Link to the Open Source Code

The open source code generated from the model mentioned above is available via the projects “srcAndBinary” GitHub repositories, i.e. <https://github.com/openETCS/srcAndBinary>.