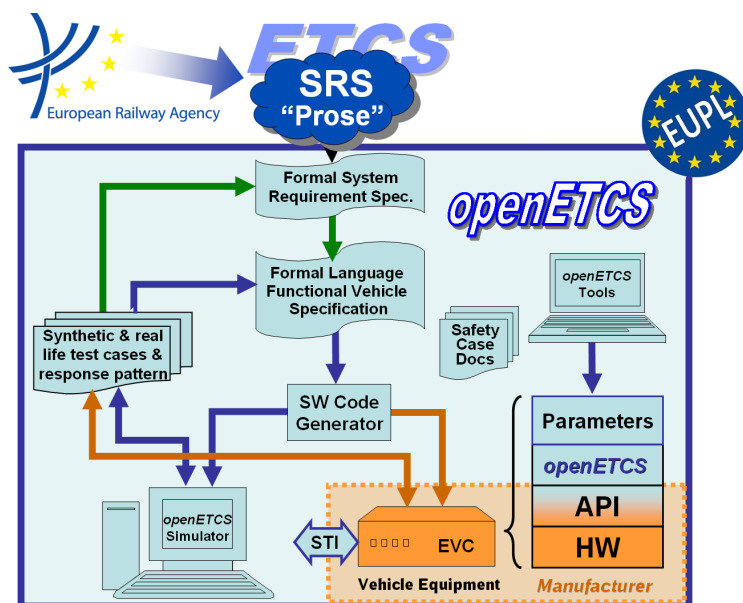OETCS/WP3/D3.5.2

openETCS

Work Package 3: "Modeling"

openETCS Architecture and Design Specification

Software Component Design and Internal Interface Specification

Peter Mahlmann, Bernd Hekele, Baseliyos Jacob   June 2015

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Work Package 3: "Modeling"   **OETCS/WP3/D3.5.2**
                                                                                   June 2015

openETCS Architecture and Design Specification
Software Component Design and Internal Interface Specification

Document approbation

Lead author:	Technical assessor:	Quality assessor:	Project lead:
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Architecture and Design Specification

Prepared for   openETCS@ITEA2 Project

Abstract: This document describes the architecture and design specification of the openETCS onboard unit (OBU) model. The functional scope of the openETCS OBU model is to cover the functionality required for running on the ETCS level 2 Utrecht Amsterdam track. The OBU model is developed iteratively and the system model is documented in D3.5.x and the functional model is documented in D3.5.x, where x denotes the iteration.

Modification History

Version	Sections	Modification / Description	Author	Date
1.0	all	Initial document	Peter Mahlmann	30.06.2015

Table of Contents

1   Introduction

Important note on the documentation of this iteration of the openETCS OBU model

Please note that the architecture and design document of the second iteration of the openETCS OBU model, i.e. D3.5.2 system model and D3.6.2 functional model, has been skipped. The reason for this is that after an initial review of the document it had been decided to revise the architecture and design document to better fit the verification and validation needs and reflect CENELEC EN50128 requirements.

Due to the revision process the document would not have be completed before the next iteration (D3.5.3 system model and D3.6.3 functional model) was about to be completed. Consequently, it has been decided to focus on the documentation of the third iteration model (D3.5.3 and D3.6.3) to safe resources and we refer to these documents.