

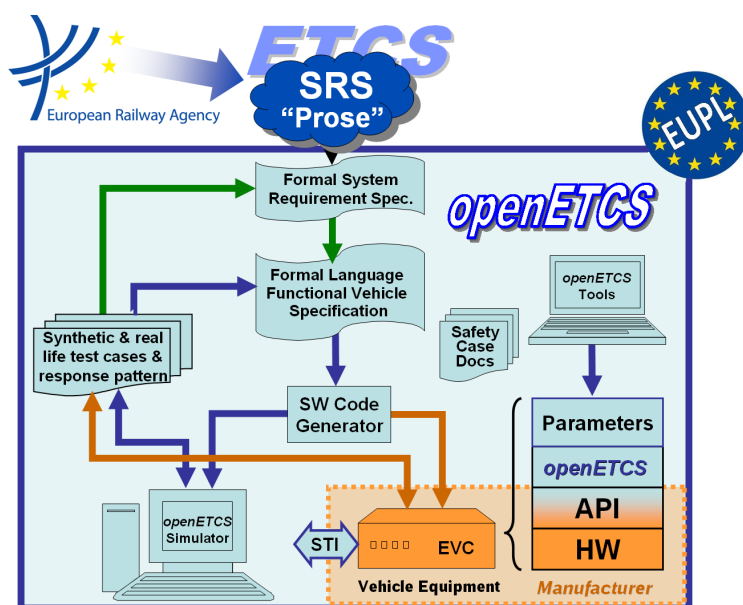
Work-Package 7: “Tool chain”

# openETCS: openETCS Extended Tool Construction Set

Release 1.0

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**Work-Package 7: “Tool chain”****OETCS/WP7/D7.4  
October 2013**

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**Release 1.0**

## Document approbation

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## Installation guide

Prepared for openETCS@ITEA2 Project

**Abstract:** This document defines the first release of the openETCS tool chain. It describes the installation procedure of the tool chain.

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## Document Information

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# 1 openETCS release 1.0

This release provides the tools for modeling at the system level and for managing the requirements.

## 1.1 What is openETCS ?

The openETCS tool chain provides the tool support and the development process to achieve a (semi-)formalized specification of ETCS EVC down to and an executable code of the OBU. The tool chain implements the development lifecycle defined in [? ].

[1] Marielle Petit-Doche and Matthias Güdemann. openETCS process. Definition D2.3, openETCS, February 2013.

## 1.2 List of Software

Following the decision of WP7 deliverable D7.1 the first release of the OpenETCS tool chain consists of the eclipse Kepler SR1 IDE with a set of plug-ins.

- Eclipse Modeling Tools package
- Papyrus
- ProR

## 1.3 Installation Guide

### 1.3.1 Install Eclipse Modeling tools

The eclipse modeling tools package is available for Windows (32/64-bit), Mac OS X(Cocoa 32/64) and Linux(32/64-bits)

1. Download the Eclipse Modeling, choose the right version according to your Operating System.
2. Extract the contents
3. Run eclipse

### 1.3.2 Install Papyrus

A more detailed installation guide may be found here.

1. Click Help> Install Modeling Components
2. Select Papyrus
3. confirm and accept the licence

### 1.3.3 Install ProR

1. Click Help>Install new Software ...
2. Add the new update site : <http://download.eclipse.org/rmf/updates> in the Work with: box
3. Select all items
4. Accept the terms of the license agreement
5. Finish the installation



## 2 Getting Started

### 2.1 Plug-in tutorial

Here is a list of tutorial to start using the openETCS components.

- Guidelines for Papyrus are available on GitHub [here](#)
- ProR documentation with a video introduction is available [Here](#)

### 2.2 Eclipse and git repositories

A tutorial on how to configure Egit may be found [here](#).

#### 2.2.1 How to import an Eclipse project from GitHub

1. From Menu File>Import... select Git>Project from Git
2. Choose "Clone URI"
3. Get the URL of your repository
4. Choose a protocol (e.g. https or ssh)
5. Choose the branch you want to clone and where the local copy will be set on your computer.
6. Click **Import existing project** and select a project.