OETCS/WP7/D7.4

openETCS

ITEA2 Project
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2012 – 2015

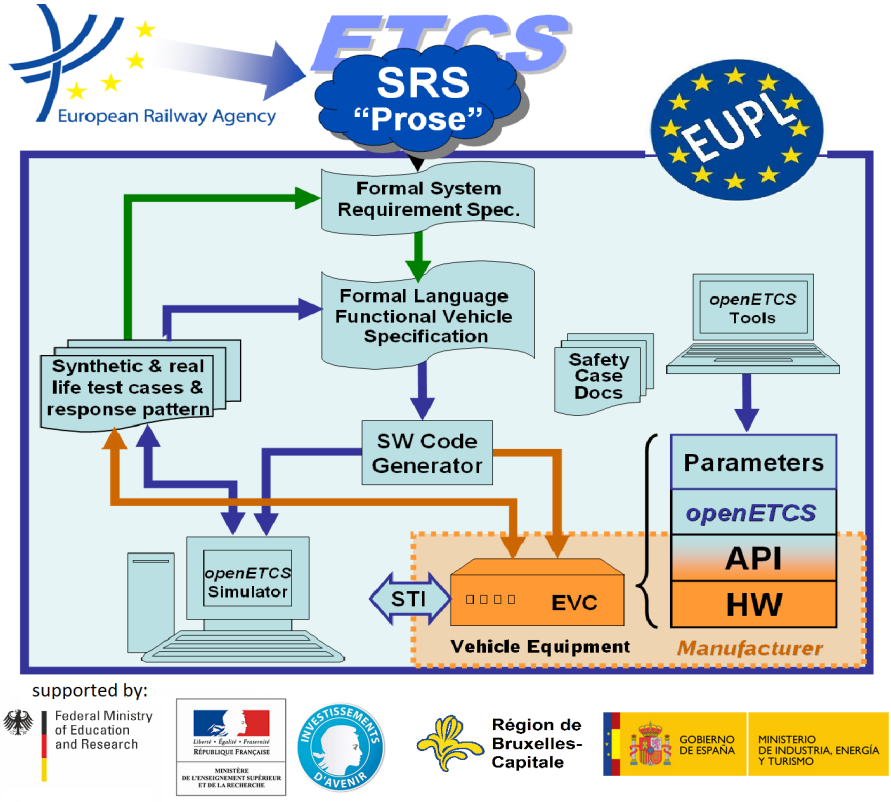
Work-Package 3: “Tool chain”

Tool chain Release 1.0

Installation Guide

Cecile Braunstein and Jan Peleska

October 2013



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Installation guide

Prepared for ITEA2 openETCS consortium
Europa

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 Release 1.0

The name has to be define see `https://github.com/openETCS/toolchain/wiki/ToolchainName`

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

1.1 List of Software

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

- Eclipse : contains Egit
- EMF : Contains EMF and XSD
- Papyrus
- ProR

Short explanation and contains of each plug-in ?

1.2 Installation Guide

1.2.1 Install Eclipse

1. Install a JVM (JRE or JDK) if one is not already installed, JDK 1.4 will work
2. Download Eclipse 4.3.1 Kepler choose the right version acc. to your installation.
3. Run eclipse

1.2.2 Install EMF

You can find more information here

1. Click `Help>Install new Software ...`
2. add the new update site : `http://download.eclipse.org/modeling/emf/emf/updates/releases/`
3. Install : EMF Core and MDT XSD

Which version of EMF ?

1.2.3 Install Papyrus

Same procedure as EMF with the following update site: `http://download.eclipse.org/modeling/mdt/papyrus/updates/releases/kepler`

Guidelines for Papyrus are available on GitHub at this location

1.2.4 Install ProR

Same procedure as EMF with the following update site: `http://download.eclipse.org/rmf/update`.

1.3 Eclipse and git repositories

More detail led in formations may be found here.

1.3.1 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.

