

| T7.1 | Primary Tool Chain Analyses and Recommendations | Duration | Complete? |
|--------|---|----------|---------------------|
| T7.1.1 | Identify and define the potential means of description | 6 months | Jan-2013 - Oct-2013 |
| | → D2.1: Report on existing methodologies | Jan-2013 | T0+7 yes |
| | → D2.5: Methods and tools benchmarking methodology | Feb-2013 | T0+8 yes |
| | → D2.6a: Set of requirements for the model used and the modeling process (preliminary) | Jan-2013 | T0+7 yes |
| | → D2.6b: Set of requirements for the model used and the modeling process (intermediate) | Mar-2013 | T0+9 yes |
| | → D2.6c: Set of requirements for the model used and the modeling process (intermediate) | May-2013 | T0+11 yes |
| | ← O7.1.1 Formal Model representing the sample spec, one for each candidate | Jun-2013 | T0+12 yes |
| | ← O7.1.2 Documentation of the changes to each means of description used (if any) | Jun-2013 | T0+12 yes |
| | ← O7.1.3 Evaluation of the models against the WP2 requirements | Jul-2013 | T0+13 yes |
| | ← O7.1.4 Decision on the final means of description choice(s) | Oct-2013 | T0+16 yes |
| T7.1.2 | Identify and compare existing modelling tools | 6 months | Jan-2013 - Oct-2013 |
| | → D2.1: Report on existing methodologies | Jan-2013 | T0+7 yes |
| | → D2.8a: Set of requirements for the tools used: | Jan-2013 | T0+7 yes |
| | → D2.8b: Set of requirements for the tools used: | Mar-2013 | T0+9 yes |
| | → D2.8c: Set of requirements for the tools used: | May-2013 | T0+11 yes |
| | → D2.5: Methods and tools benchmarking methodology | Feb-2013 | T0+8 yes |
| | ← O7.1.5 Evaluation of tool and model for each prototype | Jun-2013 | T0+12 yes |
| | ← O7.1.6 Documentation of the changes to each tool (if any) | Jun-2013 | T0+12 yes |
| | ← O7.1.7 Evaluation of the tools against the WP2 requirements | Jul-2013 | T0+13 yes |
| | ← O7.1.8 Decision on the final tool choice(s) | Sep-2013 | T0+15 yes |
| | D7.1 Report on the final choice(s) for the primary tool chain (means of description, tool and platform) | Oct-2013 | T0+16 yes |
| T7.1.3 | Identify the tool platform | 6 months | Jan-2013 - Oct-2013 |
| | → D2.1: Report on existing methodologies | Jan-2013 | T0+7 yes |
| | → D2.5: Methods and tools benchmarking methodology | Feb-2013 | T0+8 yes |
| | → D2.8a: Set of requirements for the tools used: | Jan-2013 | T0+7 yes |
| | → D2.8b: Set of requirements for the tools used: | Mar-2013 | T0+9 yes |
| | → D2.8c: Set of requirements for the tools used: | May-2013 | T0+11 yes |
| | ← O7.1.9 Evaluation of each tool platform against WP2 requirements, independent of target tool | Jul-2013 | T0+13 yes |
| | ← O7.1.10 Evaluation of tool platform in the context of specific target tools | Jul-2013 | T0+13 yes |
| | ← O7.1.11 Selection of Tool Platform (and reasoning) | Oct-2013 | T0+16 yes |

| T7.2 | Secondary Tools Analyses and Recommendations | 7 months | Jan-2013 | Complete? |
|--------|--|----------|---------------------|-----------|
| T7.2.1 | Identify and define the supporting tools and methods | Jan-2013 | Jan-2013 - Sep-2013 | |
| | → D2.1: Report on existing methodologies | Jan-2013 | T0+7 | yes |
| | → D2.5: Methods and tools benchmarking methodology | Feb-2013 | T0+8 | yes |
| | → D2.9a: Set of requirements for the verification and validation process: | Jan-2013 | T0+7 | yes |
| | → D2.9b: Set of requirements for the verification and validation process: | Mar-2013 | T0+9 | yes |
| | → D2.9c: Set of requirements for the verification and validation process: | May-2013 | T0+11 | yes |
| | → D2.3: Definition of the overall process for the formal description of ETCS and the rail system it works in | Feb-2013 | T0+8 | yes |
| | → D2.4: Definition of the methods used to perform the formal description | Sep-2013 | T0+15 | no |
| | → D2.8a: Set of requirements for the tools used: | Jan-2013 | T0+7 | yes |
| | → D2.8b: Set of requirements for the tools used: | Mar-2013 | T0+9 | yes |
| | → D2.8c: Set of requirements for the tools used: | May-2013 | T0+11 | yes |
| | → I:O7.1.4: Decision of the final choice for the core language | Jul-2013 | T0+13 | yes |
| | → O7.2.1 Evaluation of supporting tools and methods against the WP2 requirements and task 1 choices | Aug-2013 | T0+14 | no |
| | → O7.2.2 Decision on the supporting tools choice(s) | Aug-2013 | T0+14 | no |
| D | D7.2 Report on all aspects of secondary tooling (results of T7.2) | Sep-2013 | T0+15 | no |
| T7.2.2 | Model Transformation and Code Generation | 8 months | Jan-2013 - Sep-2013 | |
| | → D2.7a: Set of requirements for API: | Jan-2013 | T0+7 | yes |
| | → D2.7b: Set of requirements for API: | Mar-2013 | T0+9 | yes |
| | → D2.7c: Set of requirements for API: | May-2013 | T0+11 | yes |
| | → I:O7.1.4: Decision of the final choice for the primary means of description | Jul-2013 | T0+13 | yes |
| | → O7.2.3 Model Transformation Strategy | Sep-2013 | T0+15 | no |
| | → O7.2.4 Code Generation Strategy | Sep-2013 | T0+15 | no |
| T7.2.3 | Requirement traceability | 8 months | Jan-2013 - Sep-2013 | |
| | → D2.8a: Set of requirements for the tools used: | Jan-2013 | T0+7 | yes |
| | → D2.8b: Set of requirements for the tools used: | Mar-2013 | T0+9 | yes |
| | → D2.8c: Set of requirements for the tools used: | May-2013 | T0+11 | yes |
| | → I:O7.1.4: Decision of the final choice for the primary means of description | Jul-2013 | T0+13 | no |
| | → O7.2.5 Requirement management tool choices | Sep-2013 | T0+15 | no |
| T7.2.4 | Validation and Verification Tools | 6 months | Jan-2013 - Jul-2013 | |
| | → D2.9: Set of requirements for the verification and validation process: | Jan-2013 | T0+7 | yes |
| | → O4_WP3_T2 WP3 formalized API | Apr-2013 | T0+10 | no |
| | → D.4.1 VnV Plan & Methodology | Apr-2013 | T0+10 | yes |
| | → O7.2.6 V&V tool choice | Jul-2013 | T0+13 | no |
| | → O7.2.7 Test automation tool choice with experience report | Jul-2013 | T0+13 | no |
| T7.2.5 | Safety analyses Tools | 7 months | Jan-2013 - Sep-2013 | |
| | → D2.6a: Set of requirements for the model used and the modeling process: | Jan-2013 | T0+7 | yes |
| | → D2.6b: Set of requirements for the model used and the modeling process: | Mar-2013 | T0+9 | yes |
| | → D2.6c: Set of requirements for the model used and the modeling process: | May-2013 | T0+11 | yes |
| | → D.4.3.3 Report on the prototypical application of the V&V tool chain and processes | Apr-2013 | T0+10 | no |
| | → O7.2.8 Safety analyses tools choices | Sep-2013 | T0+15 | no |

| T7.3 | Define and Develop Tool Chain | Complete? |
|--------|---|------------------------------|
| T7.3.1 | Overall Tool Architecture | 6 months May-2013 - Nov-2013 |
| | → I:O7.1.1: Formal Model representing the sample spec, one for each candidate | May-2013 T0+11 no |
| | → I:O7.1.2 Documentation of the changes to each means of description used (if any) | Jun-2013 T0+12 no |
| | → I:O7.1.4 Decision on the final means of description choice(s) | Jul-2013 T0+13 no |
| | → I:O7.1.3: Evaluation of the models against the WP2 requirements | Jul-2013 T0+13 no |
| | → I:O7.1.8 Decision on the final tool choice(s) | Jul-2013 T0+13 no |
| | → I:O7.1.11: Selection of Tool Platform | Jul-2013 T0+13 no |
| | → I:O7.2.6: Verification and test tool choice(s) | Jul-2013 T0+13 no |
| | → O7.3.1 Tool chain development plan (or equivalent) | Sep-2013 T0+15 no |
| | → O7.3.2 Specification of tool interoperability mechanisms | Oct-2013 T0+16 no |
| | → O7.3.3 Guideline for developing the tool chain according to CELENEC | Nov-2013 T0+17 no |
| T7.3.2 | Development Infrastructure | 8 months Jan-2013 - Sep-2013 |
| | → D2.4: Definition of the methods used to perform the formal description | Sep-2013 T0+15 no |
| | → I:O7.2.5: Requirement management tool choices | Sep-2013 T0+15 no |
| | → WP1-7: Feedback from project partners (All WPS) | continuous |
| | → D2.2a: Set of requirements to be fulfilled according to CENELEC standards (state-of-the-art) | Jan-2013 T0+7 yes |
| | → D2.2b: Set of requirements to be fulfilled according to CENELEC standards (state-of-the-art) | Mar-2013 T0+9 yes |
| | → O7.3.4 Specification of primary and support tool chain architecture and its embedding into the platform | Sep-2013 T0+15 no |
| | → O7.3.5 Infrastructure evolution strategy | Sep-2013 T0+15 no |
| | → O7.3.6 Tool chain infrastructure maintenance | continuous |
| T7.3.3 | Decomposition and Distribution of work | 5 months Jul-2013 - Jan-2014 |
| | → I:O7.1.8 Decision on the final tool choice(s) | Jul-2013 T0+13 yes |
| | → I:O7.1.11: Selection of Tool Platform | Jul-2013 T0+13 yes |
| | → I:O7.3.4: Infrastructure evolution strategy | Sep-2013 T0+15 no |
| | → WP1-7: Bugs report and feedback from project partners (All WPS) | continuous |
| | → O7.3.7 Tool chain qualification test suite | Dec-2013 T0+18 no |
| | → O7.3.8 Tool chain maintenance and debug | continuous |
| | D D7.3 Tool Chain Qualification Process Description | Jan-2014 |
| T7.3.4 | Tool chain development | 3 months Sep-2013 - Dec-2013 |
| | → I:O7.3.1 Tool chain development plan (or equivalent) | Sep-2013 T0+15 no |
| | → I:O7.3.2 Specification of tool interoperability mechanisms | Oct-2013 T0+16 no |
| | → I:O7.3.4: Infrastructure evolution strategy | Sep-2013 T0+15 no |
| | → I:O7.3.6 Tool chain qualification test suite | Dec-2013 T0+18 no |
| | → WP1-7: Bugs report and feedback from project partners (All WPS) | continuous |
| | → O7.3.9 Tool chain releases | continuous |
| D | D7.4 Tool chain first release | Oct-2013 T0+16 no |

| T7.4 Develop Open Source Ecosystem | | 34 months | Aug-2012 | Complete? Jun-2015 |
|------------------------------------|---|------------|----------|-----------------------|
| → | Feedback from project partners (All WPS) | continuous | | |
| → | WP1: Requirements for the open source ecosystem | continuous | | |
| → | WP1: Legal decisions | continuous | | |
| ← | O7.4.1 Initial proposal for license model | Aug-2012 | T0+2 | yes |
| ← | O7.4.2 Initial proposal for open source development process | Aug-2012 | T0+2 | yes |
| ← | O7.4.3 Initial proposal for infrastructure and tools | Aug-2012 | T0+2 | yes |
| ← | O7.4.4 Adaptation of license model | continuous | | |
| ← | O7.4.5 Adaptation of open source development process | continuous | | |
| ← | O7.4.6 Adaptation of infrastructure and tools | continuous | | |
| D | D7.5 Ecosystem Artefacts: - Proposed Terms of use - Proposed Committer Agreements - Proposed IP Policy - Proposed Development Process Description - Development Process Guidelines - Infrastructure Documentation - Infrastructure Template - Evolution Report of previous Deliverables | Jun-2015 | T0+36 | no |

Instructions

- This spreadsheet lists the inputs, outputs and deliverables, grouped by Task
- Every time you make changes, you must generate a PDF. (This PDF is incorporated into the DoW)
- Also regenerate the DoW (using Latex), to make sure it contains the updated information.