	Primary Tool Chain Analyses and Recommendations	Duration		Complete?
T7.1				
T7.1.1	Identify and define the potential means of description	6 months	Jan-2013 - Jul-2013	
→	D2.1: Report on existing methodologies	Jan-2013	T0+7	no
→	D2.5: Methods and tools benchmarking methodology	Feb-2013	T0+8	no
→	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	no
←	O7.1.1 Formal Model representing the sample spec, one for each candidate	May-2013	T0+11	no
←	O7.1.2 Documentation of the changes to each means of description used (if any)	Jun-2013	T0+12	no
←	O71.3 Evaluation of the models against the WP2 requirements	Jul-2013	T0+13	no
←	O7.1.4 Decision on the final means of description choice(s)	Jul-2013	T0+13	no
T7.1.2	Identify and compare existing modelling tools	6 months	Jan-2013 - Jul-2013	
→	D2.1: Report on existing methodologies	Jan-2013	T0+7	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	no
→	D2.5: Methods and tools benchmarking methodology	Feb-2013	T0+8	no
←	O7.1.5 Evaluation of tool and model for each prototype	Jun-2013	T0+12	no
←	O7.1.6 Documentation of the changes to each tool (if any)	Jun-2013	T0+12	no
←	O7.1.7 Evaluation of the tools against the WP2 requirements	Jul-2013	T0+13	no
←	O7.1.8 Decision on the final tool choice(s)	Jul-2013	T0+13	no
D	D7.1 Report on the final choice(s) for the primary tool chain (means of description, tool and platform)	Jul-2013	T0+13	no
T7.1.3	Identify the tool platform	6 months	Jan-2013 - Jul-2013	
→	D2.1: Report on existing methodologies	Jan-2013	T0+7	no
→	D2.5: Methods and tools benchmarking methodology	Feb-2013	T0+8	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	no
←	O7.1.9 Evaluation of each tool platform against WP2 requirements, independent of target tool	Jul-2013	T0+13	no
←	O7.1.10 Evaluation of tool platform in the context of specific target tools	Jul-2013	T0+13	no
←	O7.1.11 Selection of Tool Platform (and reasoning)	Jul-2013	T0+13	no

	Task / Deliverable	Months / Date	T0	Complete?
T7.2	**Secondary Tools Analyses and Recommendations**			
T7.2.1	Identify and define the supporting tools and methods	7 months		Jan-2013 - Aug-2013
	→ D2.1: Report on existing methodologies	Jan-2013	T0+7	no
	→ D2.5: Methods and tools benchmarking methodology	Feb-2013	T0+8	no
	→ 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	no
	→ D2.3: Definition of the overall process for the formal description of ETCS and the rail system it works in	Feb-2013	T0+8	no
	→ D2.4: Definition of the methods used to perform the formal description	Feb-2013	T0+8	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	no
	→ I:O7.1.4: Decision of the final choice for the core language	Jul-2013	T0+13	no
	← 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	no
	→ I:O7.1.4: Decision of the final choice for the primary means of description	Jul-2013	T0+13	no
	← 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	no
	→ I:O7.1.4: Decision of the final choice for the primary means of description	Jul-2013	T0+13	no
	← O7.2.5 Captured and organized designer requirements	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	no
	← 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	no
	→ 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

				Complete?
T7.3	**Define and Develop Tool Chain**			
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	Feb-2013	T0+8	no
→	I:O7.2.5: Captured and organised designer requirements	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	no
→	D2.2b: Set of requirements to be fulfilled according to CENELEC standards (state-of-the-art)	Mar-2013	T0+9	no
←	O7.3.3 Specification of primary and support tool chain architecture and its embedding into the platform	Sep-2013	T0+15	no
←	O7.3.4 Infrastructure evolution strategy	Sep-2013	T0+15	no
←	O7.3.5 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	no
→	I:O7.1.11: Selection of Tool Platform	Jul-2013	T0+13	no
→	I:O7.3.4: Infrastructure evolution strategy	Sep-2013	T0+15	no
→	WP1-7: Bugs report and feedback from project partners (All WPS)	continuous		
←	O7.3.6 Tool chain qualification test suite	Dec-2013	T0+18	no
←	O7.3.7 Tool chain maintenance and debug & continuously	continuous		
D	D7.3 Tool Chain Qualification Process Description	Jan-2014		
T7.3.4	**Tool chain development**	**4 months**	**Sep-2013**	**- Feb-2014**
→	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		
←	O7.3.8 Tool chain releases & follow the scrum	continuous		
D	D7.4 Tool chain first release	Feb-2014	T0+20	no

T7.4	**Develop Open Source Ecosystem**			**Complete?**
		34 months	Aug-2012	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.