T7.1		Primary Tool Chain Analyses and Recommendations	Duration		Complete?
T7.1.1		Identify and define the potential means of description	6 months	Nov-2012 - May-2013	
	→	WP2: List of suitable means of description	Nov-2012	T0+5	no
	→	WP2: Small subset of ERTMS requirements that is representative	Nov-2012	T0+5	no
	→	WP2: Preliminary requirements	Dec-2012	T0+6	no
	→	WP2: Requirements	Mar-2013	T0+9	no
	←	O7.1.1 Formal Model representing the sample spec, one for each candidate	Mar-2013	T0+9	no
	←	O7.1.2 Documentation of the changes to each means of description used (if any)	Mar-2013	T0+9	no
	←	O71.3 Evaluation of the models against the WP2 requirements	Apr-2013	T0+10	no
	←	O7.1.4 Decision on the final means of description choice(s)	May-2013	T0+11	no
T7.1.2		Identify and compare existing modelling tools	7 months	Nov-2012 - Jun-2013	
	→	WP2: List of suitable tools (based on State of the Art Analysis)	Nov-2012	T0+5	no
	→	WP2: Preliminary requirements	Dec-2012	T0+6	no
	→	WP2: Requirements	Mar-2013	T0+9	no
	←	O7.1.5 Evaluation of tool and model for each proto-type	Apr-2013	T0+10	no
	←	O7.1.6 Documentation of the changes to each tool (if any)	Apr-2013	T0+10	no
	←	O7.1.7 Evaluation of the tools against the WP2 re-quirements	May-2013	T0+11	no
	←	O7.1.8 Decision on the final tool choice(s)	Jun-2013	T0+12	no
	D	D7.1 Report on the final choice(s) for the primary tool chain (means of description, tool and platform)	Jun-2013	T0+12	no
T7.1.3		Identify the tool platform	6 months	Nov-2012 - May-2013	
	→	List of target platforms, based on the tools being evaluated (1.2)	Nov-2012	T0+5	no
	→	WP2: Preliminary requirements	Dec-2012		
	→	WP2: Requirements	Mar-2013	T0+9	no
	←	O7.1.9 Evaluation of each tool platform against WP2 requirements, independent of target tool	Apr-2013	T0+10	no
	←	O7.1.10 Evaluation of tool platform in the context of specific target tools	May-2013	T0+11	no
	←	O7.1.11 Selection of Tool Platform (and reasoning)	May-2013	T0+11	no

T7.2	Secondary Tools Analyses and Recommendations			Complete?
T7.2.1	Identify and define the supporting tools and methods	7 months	Nov-2012 - Jun-2013	
	→ WP2: List of suitable means of description	Nov-2012	T0+5	no
	→ WP2: Small subset of ERTMS requirements that is representative	Nov-2012	T0+5	no
	→ WP2: Preliminary requirements	Jan-2013	T0+7	no
	→ WP2: Definition of method / process	Jan-2013	T0+7	no
	→ I:O7.1.4: Decision of the final choice for the core language	May-2013	T0+11	no
	← O7.2.1 Evaluation of supporting tools and methods against the WP2 requirements and task 1 choices	Jun-2013	T0+12	no
	← O7.2.2 Decision on the supporting tools choice(s)	Jun-2013	T0+12	no
	D D7.2 Report on all aspects of secondary tooling (results of T7.2)	Oct-2013	T0+16	no
T7.2.2	Model Transformation and Code Generation	8 months	Jan-2013 - Sep-2013	
	→ WP2 Requirements	Jan-2013	T0+7	no
	→ I:O7.1.4: Decision of the final choice for the core language	May-2013	T0+11	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	
	→ WP2 Requirements	Jan-2013	T0+7	no
	→ I:O7.1.4: Decision of the final choice for the core language	May-2013	T0+11	no
	← O7.2.5 Captured and organized designer requirements	Sep-2013	T0+15	no
T7.2.4	Validation and Verification Tools	5 months	Jan-2013 - Jun-2013	
	→ WP2 Requirements	Jan-2013	T0+7	no
	→ WP3b formalized API	Mar-2013	T0+9	no
	→ Those sufficient elements of WP4 V&V Plan to evaluate tools	Mar-2013	T0+9	no
	← O7.2.6 V&V tool choice	Jun-2013	T0+12	no
	← O7.2.7 Test automation tool choice with experience report	Jun-2013	T0+12	no
T7.2.5	Safety analyses Tools	6 months	Mar-2013 - Sep-2013	
	→ WP2 Requirements	Mar-2013	T0+9	
	→ Those sufficient elements of WP4 Safety case to evaluate tools	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	Mar-2013 - Sep-2013
	→ I:O7.1.1: Formal Model representing the sample spec, one for each candidate	Mar-2013	T0+9	no
	→ I:O7.1.2 Documentation of the changes to each means of description used (if any)	Mar-2013	T0+9	no
	→ I:O7.1.4 Decision on the final means of description choice(s)	May-2013	T0+11	no
	→ I:O7.1.3: Evaluation of the models against the WP2 requirements	Apr-2013	T0+10	no
	→ I:O7.1.8 Decision on the final tool choice(s)	Jun-2013	T0+12	no
	→ I:O7.1.11: Selection of Tool Platform	May-2013	T0+11	no
	→ I:O7.2.6: Verification and test tool choice(s)	Jun-2013	T0+12	no
	← O7.3.1 Tool chain development plan (or equivalent)	Jul-2013	T0+13	no
	← O7.3.2 Specification of tool interoperability mechanisms	Jul-2013	T0+13	no
	← O7.3.3 Safety Plan (or equivalent)	Sep-2013	T0+15	no
T7.3.2	Development Infrastructure		5 months	Jun-2013 - Nov-2013
	→ WP2: Definition of method / process	Jun-2013	T0+12	no
	→ I:O7.2.5: Captured and organised designer requirements	Sep-2013	T0+15	no
	→ WP1-7: Feedback from project partners (All WPS)	continuous		
	← O7.3.3 Specification of primary and support tool chain architecture and its embedding into the platform	Oct-2013	T0+16	no
	← O7.3.4 Infrastructure evolution strategy	Nov-2013	T0+17	no
	← O7.3.5 Tool chain infrastructure maintenance	continuous		
T7.3.3	Decomposition and Distribution of work		7 months	May-2013 - Jan-2014
	→ I:O7.1.8 Decision on the final tool choice(s)	Jun-2013	T0+12	no
	→ I:O7.1.11: Selection of Tool Platform	May-2013	T0+11	no
	→ I:O7.3.4: Infrastructure evolution strategy	Nov-2013	T0+17	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		5 months	Jul-2013 - Dec-2013
	→ I:O7.3.1 Tool chain development plan (or equivalent)	Jul-2013	T0+13	no
	→ I:O7.3.2 Specification of tool interoperability mechanisms	Jul-2013	T0+13	no
	→ I:O7.3.4: Infrastructure evolution strategy	Nov-2013	T0+17	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	Jul-2013	T0+13	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.