

T7.1: Mainly follow-up on decisions

WP7 Review meeting Task 7.1

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Outline

- 1 T7.1 Overview
- 2 T7.1- Sum-up of the Decisions
- 3 T7.1 - Follow-up on Decisions
- 4 T7.1 Conclusion

T7.1 Aim

- Identify the modelling languages
- Identify the modelling tools
- Identify the tool platform (see Block 2)

⇒ **Proposal** : Benchmark of means, tools and tool platform

T7.1 Organisation

- Inputs: WP2 deliverables
- Outputs :
 - Set of models: O7.1.1, O7.1.5
 - Criteria template: O7.1.3, O7.1.7, O7.1.9, O7.1.10
 - Selection: O7.1.4, O7.1.8, O7.1.11
 - **Decision : D7.1**
- Key dates for T7.1
 - November 2012: start for first models
 - April 2013: Criteria templates and Spring meeting
 - July 2013: 1st Decision meeting and 1st version of D7.2
 - October 2013: 2nd Decision meeting (PCC) and 2nd version of D7.2

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T7.1 Results

October 2013 Braunschweig PCC meeting

- D7.1 document accepted
- 12 Decisions proposed, 11 accepted by vote
- Action Plan agreed:
 - start the openETCS Charta (ERTMSSolutions, CEA, NS, EclipseSource, Alstom)
 - prepare the toolchain decision
- WP3 activities can start
- WP7 development activities can start

T7.1 On-going (1)

- Decision 1** By vote in Paris on July 4th, 2013, all the partners agree on the use of Eclipse as tool platform.
- On-going** WP7 toolchain development on Eclipse, secondary tool selection in accordance

T7.1 On-going (2)

- Decision 2** By vote in Paris on July 4th, 2013, all the partners agree on the use Papyrus/SysML to cover the highest level of the OpenETCS V-cycle. Later it was clarified that it will be an original or bidirectional synchronized (but not a derived) artifact.
- Discussion** NS/LLRE did not agree to the proposal. The difference in opinion can be seen as a different interpretation of the process.
- Errata** added in D7.1
- On-going** Papyrus included in the toolchain (WP7), SysML modelling started (WP3)

T7.1 On-going (3)

Decision 3 As the first tool chain release, WP7 will provide at a minimum a Papyrus SysML environment to WP3, under the assumption that this is sufficient for WP3 to start modeling, until the final decision has been made (see Decision 5).

On-going First release provided (WP7), modelling started (WP3 task force)

T7.1 On-going (4)

Decision 7 Unless new evidence is provided in agreement with Decision 5, SCADE will be considered the foundation for the primary tool chain. In that case, a feasible migration from what had been done with SCADE is essential.

On-going Modelling started with SCADE (WP3 task force)

Open Issue Migration ?

T7.1 Open Issues (1)

Decision 5 A final decision on the primary tool chain must be made by the end of January 2014. After this point, WP7 resources must not be spread between competing tools.

Discussion an action plan is currently not visible to prepare for this decision and how we are going to proceed with this decision in January. Foundation of the plan has to be the openETCS Charta which needs to be started now to be available in January. The base for the charta is seen in the Eclipse Way of Life.

Feedbacks from the partners ?

T7.1 Open Issues (2)

Decision 8 Work on the tool chain must always take the objective of an OSS migration into account, e.g. by standardizing interfaces between tools. It is acknowledged that such a migration may not be feasible within the timeframe of the openETCS project. However, by the end of the project, feasibility of a migration must be demonstrated (e.g. with a prototype or case study).

Discussion Rephrasing the text was recommended in order to increase the understanding of the document.

Feedbacks from the partners ?

T7.1 Open Issues (3)

Decision 9 All openETCS project partners must be made aware of the need for acquiring a SCADE license (depending on their activities). If a partner feels that this is not achievable, this must be escalated to the project office by November 15, 2013. The project office will assist in finding a solution. If no solution has been found by January 31, 2014 for all partners who escalated, then SCADE will be abandoned for anything on the critical path of the tool chain.

Feedbacks from the partners ?

T7.1 Open Issues (4)

Decision 10 According to the spirit of an open proofs project, team members are permitted to continue evaluating B, even with the objective of contradicting Decision 7. However, if unsuccessful by the deadline set by Decision 5, they must refocus either by contributing elsewhere, or by focusing on the transition to OSS, as outlined in Figure 57. The team is strongly encouraged to coordinate with POLARSYS.

Discussion The proposal is seen to special. A more general recommendation is requested.

Feedbacks from the partners ?

T7.1 Proposition

- More than a year for the evaluation (1/3 of project duration)
- Now at the middle term of the project
- Two decision meetings with votes
- Few activities mentioned as follow-up of the meetings
- Next steps started in the project (WP7, WP3, WP4,...)
- Few resources available

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