

# openETCS Web Conference on Testing (V&V)

19 June 2013

# Schedule

The following points were identified for this week's meeting:

1. Verification and Validation Plan - Contribution Plan (Hardi)
  1. See table
2. Time Domain Model Testing (Jan Peleska)
  1. Concept sketch (slides) for „minimal scenario“ with a „proxi sub-model“ to enable threshold-guided test generation (without explicit environment model)
    1. Discuss interface concept with DLR and SIE
  2. Next week: presentation of concept for automated generation of environment model (better test generation), „ambitious scenario“
3. Secondary Toolchain Evaluation (Marielle)
  1. minutes of organisational meeting available,
  2. presentation V&V concept desired at the meeting
4. Preparation of 26th of June Telco on Testing to the topic:  
Presentation and discussion of methods and their application area (Hardi)
  1. Each partner participating: Send one slide per partner with description of tool/plan to Marc/Hardi

# Verification and Validation Plan

What	Contribution	Review
V&V Strategy (FLOSS etc.)	SQS, A4T	AeBt, Sys, TUBS, UHB (tbd)
V&V Plan Full Development (what we would do if we had enough resources)	A4T	AeBt, TUBS, UHB (tbd)
V&V Plan: openETCS Implementation (what we actually intend to do: some V&V activities)	<ul style="list-style-type: none"><li>• SQS,</li><li>• A4T (subject to assessor role conflict),</li><li>• UHB (code generator, object code V&amp;V),</li><li>• SIE,</li><li>• DB (end user scenarios)</li></ul>	AeBt, Sys, TUBS, UHB (tbd)
Methods and Tools (both „Full Development“ and „openETCS“)	<ul style="list-style-type: none"><li>• CEA (own tools)</li><li>• UHB (RTTester, Bounded MC)</li><li>• TWT (Timed verification)</li><li>• TUBS (general list)</li></ul>	AeBt, TUBS, UHB (tbd)

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## 5. Further points should be discussed:

1. How to organise the backlog?
  1. Issue tracker, two variants
    1. Labels to distinguish between tasks/topics
    2. Different repositories for different tasks
    3. Telco with Bernd Hekele on organisational support
  2. Present proposal on Friday
2. How to organise the work?
  1. V&V plan: Enter contributions directly into the .tex (take care to merge/avoid merge necessity)
  2. ???
3. What tools are needed?
4. How to proceed, what to take for our first process verification taking preliminary results?
  1. Qualification of models/ tools for the first phase.
    1. Just classify qualification need (e.g. most probably T2 for test tools)
  2. Which artifacts to review/ analyse/ test?
    1. If collaboration with modeller: ✓
    2. Ask around
    3. Ask taskleader to help organising
  3. Test DB
    1. Not addressed
  4. Test execution
  5. Environment Model
  6. Concept

## 6. Any other business

The complete results should be recorded as backlog points.