

AADL Standards Meeting Jan 30-Feb 1, 2012

Toulouse, France with ERTS Conference

N7-INPT University de Toulouse

<http://maps.google.com/maps?q=Rue+Charles+Camichel,+31000+Toulouse,+France&z=16>

Teleconference and Web Meeting at end of agenda.

All times are for Toulouse.

Monday Jan 30

- 08:30-09:00 AADL News and Notes (Bruce Lewis, Chair)
- 09:00-09:30 Conditional Expressions for BLESS and Modeling of the Integrated Clinical Environment (ICE) with AADL and BLESS (Brian Larson)
- 09:30-10:00 TOPCASED Update to Polarsys Industrial Working Group (Pierre Gaufillet)
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- 10:00-10:30 Break
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- 10:30-11:00 AADL Constraint Language Annex/PSL – Query Language (Jerome Hugues, Serban Gheorghe)
- 11:00-11:30 continued
- 11:30-12:00 Ballot of Updated AADL V2 5506A (Peter Feiler)
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- 12:00-01:30 Lunch
- 01:30-02:00 Ballot of Updated AADL V2 5506A
- 02:30-03:00 continued
- 03:00-03:30 Update on FIACRE (Mamoun Filali)
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- 03:30-04:00 Break
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- 04:00-04:30 SysML to AADL Rockwell META Toolset (Darren Cofer)
- 04:30-05:00 Subset Annex (Frank Singhoff)
- 05:00-05:30 continued
- 05:30-06:00 continued

Tuesday Jan 31

- 08:30-09:00 Update on Annex for Requirements and tool progress (Dominique Blouin, Skander Turki)
- 09:00-09:30 “
- 09:30-10:15 “
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- 10:15-10:30 Break

10:30-11:00 Behavior Annex Errata (Etienne Borde, Mamoun Filali)
 11:00-11:30 Continued

11:30-12:00 Behavior Annex Plug-in (Etienne Borde)

12:00-01:30 Lunch

01:30-02:00 ADELE Presentation/demo (Pierre Dissaux)
 02:00-02:30 Discussion on integration with OSATE (Pierre Dissaux, Peter Feiler)
 02:30-03:00 AADL Compliance Test Suite (Alexey Khoroshilov) “

03:00-03:30 Break

03:30-04:00 Error Modeling Annex (Peter Feiler)
 04:00-04:30 “
 04:30-05:00 “
 05:00-05:30 “
 05:30-06:00 “

Wed Feb 1

08:30-09:00 Demo of Error Modeling Annex in OSATE.

09:00-12:00 Tutorial on TASTE – Everyone should have the TASTE toolset already installed and working on their PC. This session is at N7. (see end of document for installation instructions).

12:00-01:30 Lunch

01:30-02:30 Plan Summer and Fall meetings.

Presentations below are at ERTS and involve the AADL. Those involving TASTE recommended as part of the training.

03:10-03:40 Julien and Jerome have a presentation at ERTS
2D.1 - Validate implementation correctness using simulation : the TASTE approach
 Julien Delange - ESA, Netherlands
 Jerome Hugues - ISAE, France
 Pierre Dissaux - Ellidiss, France

05:40-06:10 Julien has presentation at ERTS
3C.3 - TASTE An open-source toolchain for embedded software development
 Maxime Perrotin, Julien Delange - European Space Agency, Netherlands

Also on following days:

4A.3 THE ASSERT SET OF TOOLS FOR ENGINEERING (TASTE): DEMONSTRATOR, HW/SW CODESIGN AND FUTURE EVOLUTION Marc Pollina - M3Systems, France Yann Leclerc - M3systems, France Eric Conquet - ESA - ESTEC, France Maxime Perrotin - ESA - ESTEC, France Guy Bois - Space Codesign Systems, Canada Laurent Moss - Space Codesign Systems, Canada

5B.3 Combining SysML and AADL for the Design, Validation and Implementation of Critical Systems Pierre De Saqui-Sannes - LAAS/ISAE, France Jerome Hugues - ISAE, France

6C.1 SAVOIR: Reusing specifications to improve the way we deliver avionics Jean-Loup Terraillon - European Space Agency, Netherlands Savoir Advisory Group - SAVOIR group represented by the European Space Agency, Netherlands

7B.2 Model-Based Engineering approach for system architecture exploration Julien Delange - European Space Agency, Netherlands Christophe Honvault - European Space Agency, Netherlands James Windsor - European Space Agency, Netherlands

Webex Meeting Information

Topic: AS-2C Meeting

Date: Every 1 day, from Monday, January 30, 2012 to Wednesday, February 1, 2012

Time: 8:00 am, Europe Time (Paris, GMT+01:00) Meeting Number: 656 807 136 Meeting

Password: AS2caad1

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dlloyd@sae.org

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TASTE Toolset

During the next AADL meeting, a tutorial will be dedicated to TASTE. For that, we use a virtual machine executed within VirtualBox (available as a free and open-source software at <http://www.virtualbox.org>). The virtual machine is available here : <http://download.tuxfamily.org/taste/aadl-tutorial-vm.tgz> . I updated the previous virtual machine with the latest TASTE toolset so if you download the previous version, please get the new one.

In addition, in order to prevent any problem during the tutorial due to special configuration/system, I recommend to install and try VirtualBox on your laptop as soon as possible and send me any issue you encounter. So, we could fix any issue prior the tutorial and focus only on AADL- and TASTE- related aspects. Also, it would be particularly useful if you can try the TASTE virtual machine itself prior the tutorial. To do so, I made an instructions document that indicates how to import the virtual machine within VirtualBox and test the TASTE toolchain. Please find it at <https://wiki.sei.cmu.edu/aadl/images/1/17/TASTE-aadl-tutorial-instructions.pdf>.