

Committee Status 1/31/08

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P1800 Technical Chair

SV-AC

- Mantis items resolved or re-resolved since last status (8)
 - > 1667 - Local variable arguments for sequences and properties
 - > 1682 - Future value functions
 - > 1683 - Relax rules for multi-clocked sequences and properties
 - > 1729 - Immediate assume and cover
 - > 1769 - Elaboration-time assertions
 - > 1900 - Checkers
 - > 1995 - Assertions checkers in for loops
 - > 2091 - Clarify where concurrent assertions may appear
- Mantis items resolved before last status – waiting on other committees (6)
 - > [SV-CC] 1503 - Revise VPI diagrams for assertions
 - > [SV-CC] 1599 - API and VPI changes for 0805
 - > [SV-EC] 1601 - Untyped arguments
 - > [SV-CC] 1757 - accept_on/reject_on
 - > [SV-BC] 1758 - Boolean operators ->, <->
 - > [SV-CC] 1898 - Explicit mapping of assertion system tasks to callbacks

SV-AC (cont.)

- Mantis items sent back by the Champions
 - > 1648 - Default disable iff
 - > 1987 - Verification statement
- The committee is behind schedule on the following Mantis items (9)
 - > M: 1932 - LTL operators. Due 2007-11-27. In ballot and revision.
 - > m: 1756 - Change semantics of assertion control tasks in initial blocks. Due 2007-12-11. Not being worked on.
 - > m: 2172 - Sequence "if-else". Due 2008-01-15. Not being worked on.
 - > m: 2150 - Disallow automatic variables in subroutines and action blocks. Due 2008-01-22. In ballot and revision.
 - > v: 1786 - Formal semantics of "if-else" broken. This will be fixed in 1932.
 - > v: 1687 - Wrong equivalence for \$isunkown. Due 2008-01-15. Not being worked on.
 - > v: 1901 - Restrict identifier in cycle delay to be constant. Review due 2008-01-15.
 - > d: 2173 - Case for sequences and properties. Draft due 2008-01-08. Not being worked on.
 - > d: 0966/1982 - Problems with argument passing and \$. Draft due 2008-01-22. Some of these problems are resolved in 1549 and 1668. Otherwise, not being worked on.
- The committee continues to meet on a weekly basis

SV-BC

- Committee currently addressing the following issues
 - > Merge-related
 - Addressing as raised by reviewers and proposals received
 - > Identified by P1800 WG
 - New JEITA Items: 1832 – unlikely to be addressed
 - Past Ballot Issues: 676, 678, 697 – unlikely to be addressed
 - Champion's Feedback Issues: 2163, 2106 – in flight; ECD Feb 4 or Feb 21
 - Champion's Feedback Issue: 1809 – needs attention
 - > Mantis item 2008 – Likely to be addressed Feb 4 or Feb 21
 - > Mantis item 1772 – Likely to be addressed Feb 4 or Feb 21
- Other Remaining Mantis Items
 - > Past Ballot Issues: 677, 698 – ECD Feb 4 or Feb 21
 - > JEITA Items: 1827, 1828, 1829 – ECD Feb 4 or Feb 21
- The committee has returned to meeting bi-weekly

SV-CC

- Currently tackling (this is the same status given at the last WG meeting)
 - > Handle Lifetime – likely to be controversial
 - > Class Specialization
 - > Packed Arrays
 - > Expressions with side effects
- Holding a face-to-face meeting the week of DVCon (the week of Feb 18)
- Requested an extension to the end of March – email from Chas Jan 8, 2008
 - > Main issue is the representation and access of dynamic data
 - > Need a balance between functionality and performance
 - > If not resolved it is expected to become a ballot issue

SV-EC

- The committee has returned to meeting bi-weekly with 14-16 regular attendees
- Resolved/Closed Mantis items since last status
 - > 9 Mantis items Closed as already covered by Mantis Item 1702
 - 412, 516, 517, 518, 519, 521, 522, 801, 974
 - > 9 Mantis items Resolved
 - 2227, 958, 2137, 2181, 1447, 1336, 2003, 520 – Passed unanimously
 - 1858 – Passed with 2 no votes
 - > Most of the Mantis items on the “short list” were processed
 - > Main focus was taking care of Mantis items for feature freeze
- Request for permission to work on the following Mantis items
 - > 2229, 2233, 2183 – fairly narrow subject matter – constraint, randc related
 - > No anticipated impact on other committees
- Will continue to meet bi-weekly until the end of February

SV-EC (cont.)

- Other Mantis items
 - > 1601 – adds an 'untyped' type – from the SV-AC
 - ▣ The Champions sent it to the SV-EC for review
 - ▣ The SV-EC decided to not take any action at this time – sent back to SV-AC
 - > 1787 – in Review state – Champion's/WG requested a minor amendment
 - > 888 – in Review state – Champion's/WG requested a minor amendment
 - > 1612 – Editor place it into Feedback state – needs to be Closed
 - > 1648 – From SV-AC
 - ▣ Champions/WG sent it to the SV-EC for review
 - ▣ The SV-EC decided to not take any action at this time – sent back to SV-AC

SV-XC

- Committee has lost momentum due to lack of technical material
 - > There haven't been any meetings for the last 2 months
- A proposal from Mentor is expected
 - > This might be enough to kickstart discussions
 - > Not sure when the proposal will be made available

Champions

- Held conference calls on Dec 20th and Jan 17th
- Dec 20th
 - > 27 Mantis items were processed
 - > 22 were approved by the Champions
 - > 5 were sent back to the Technical Committees
- Jan 17th conference call
 - > 20 Mantis items were processed
 - > 15 were approved by the Champions
 - > 5 were sent back to the Technical Committees
- Email vote is currently in progress – ends Feb 4th
 - > 28 Mantis items being reviewed
 - > All remaining Mantis items that were in the Resolved state
- Next meeting is scheduled for Feb 14th