IEEE DASC Steering Committee
Approved Minutes

Date: Thursday, 27 July, 2006
Time: 4:00pm to 7:00pm, US Pacific Daylight-Saving Time
Venue: San Francisco Moscone Convention Center Room #218
Dial In Number: 408-894-3000 #ID 1076

Name	Position	Voting member	
Victor Berman	Chair	X	
Alex Zamfirescu	Vice-Chair	X	
Gary Delp	Secretary	X	
Kathy Werner	Treasurer	X	
Chuck Swart	ISAC	X	Proxy for Jim Lewis
Steve Bailey	Ex-Secry.		
Dennis Brophy	DASC Mmbr		
Gerrard Berry	Esterel SG		
Al Dunlop	CEDA		
Ernst Christen	1076.1 AMS	X	Proxy for Alain Vachoux
Lance Thompson	Accellera TC		
Wolfgang Roethig	1603 ALF	X	
Peter Ashenden	Ex-Chair		
Ajay Varikat	1076.4 Vital	X	
Perry Alexander	Rosetta SG		
Yaron Kahai	1647 'e'	X	

1. Call to order – 27 July 2006 4:10 pm.
2. Quorum determined present.
3. Minutes of previous meeting
    a. Chuck Swart moved to approve the agenda seconded by Kathy no objections
    b. Minutes approved with no objections
4. Report of business conducted by email
    a. Introduction of New Officers
        i. Alex Zamfirescu, VP
        ii. Gary Delp Secretary
        iii. Kathy Werner - Treasurer
5. Financial Report
    a. No expenses since last meeting $2800 accrued since last meeting.
6. Al Dunlop – Council on Electronic Design Automation (CEDA) gave a report on recent activities – see presentation attached
7. Study Groups
    a. ESTEREL – see the presentation attached.
        i. Study Group -> to be approved.
        ii. Discussion included:
            1. This has been 22 years since inception and has 2 commercial implementations

2. This is not true; it was a research project until 2000.
3. IEEE would provide a forum for improvement, the potential members span many companies
4. Individual rather than entity
   iii. Motion to approve the study group and to move forward to Draft PAR – Alex Zamfirescu with, Seconded by Chuck Swart, passed with no objections.
   b. Rosetta – study group proposal
      i. Presentation from Perry Alexander
      ii. Dave Barton is working on draft PAR but could not attend.
      iii. SystemC is in the ESL space, this is in the Design Automation space. (new
      iv. Move to approve [the study group], by Gary Delp, seconded by Alex Zamfirescu, passed with no objections.
8. Project reports
   a. 1076.1 (VHDL-AMS) Alain Vachoux / Ernst Christen
      i. see presentation. Gary to import text
      ii. AI: Victor to connect the verilog-AMS work in Accellera with VHDL-AMS
   b. 1647 (e) Yaron
      i. Add presentation data
   c. 1603 (ALF)
   General:
   The work over the past year has been focused on validation and application of the standard rather than extension.
   Milestones:
   (1) Creation of an open source ALF reference implementation with the following features:
   - IEEE 1603-2003 compliant lexical parser, syntax parser, and semantics checker
   - Bidirectional translator from and to de-facto industry library formats such as Liberty
   Results:
   - Validation of IEEE 1603-2003 as a fully implement-able spec.
   - Uncovered very few minor inconsistencies that can be published as errata or comments
   - Found that the semantics of library models expressed in Liberty are fully encompassed in IEEE 1603-2003
   (2) Study of applicability to new fields such as radiation hardness
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Results:
- Whitepaper by Alex Zamfirescu (Alex plans to attend the meeting, he can provide more info if needed)

(3) IEEE 1603-2003 got IEC accreditation.

Plans moving forward:
- Publish errata and application notes
- Validate the IEEE 1603-2003 semantics wrt emerging industry needs (e.g. Liberty ECSM, CCS extensions)
- Implement and validate the radiation hardness extensions

Discussion items for DASC meeting:
Find out whether www.eda.org <http://www.eda.org/> is still the preferred portal to DASC-sponsored standards and provide administrative access as necessary.
Advise to which extend the work on IEEE 1603-2003 is suitable for publication under the DASC umbrella.
Should it be restricted to the formal revision of the standard (errata etc) only?
Is it desirable to publish the informative collateral (open source code, application notes etc) under the DASC umbrella?
Would this create any ownership issue (as the access to open source code is not restricted to DASC members)? (3) IEEE 1603-2003 got IEC accreditation.

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    d. 1076.4 (VITAL) Ajay
        i. Have a PAR for correcting small errors WG active on this.
        ii. Limitations of generics has been resolved in Accellera standard
        iii. Something to be done in the next month or so.
        iv. Memory feature will be addressed over the next 2 meetings
    e. 1076 (VHDL) Jim Lewis / Chuck Swart / Lance Thompson
        i. VHDL presentation in the Accellera presentation
        ii. 3.0 approved: will keep in Accellera for trial implementations
        iii. PSL & Encryption,
    f. 1076.1.1 (VHDL-AMS packages)
    g. 1481 (OLA)
    h. 1499 (OMI)
    i. 1666 (SystemC)
        i. Standard Approved, LRM is out, Openly available for download
        ii. Waiting for TLM 2.0 from OSCI
    j. 1685 SPIRIT
    k. 1800/1364 (SystemVerilog/Verilog)
    l. 1850 (PSL)

9. Any Other business
10. DATC Report
    a. Juan-antonio Carballo named new DATC Chair – see enclosed report
11. Encryption
    a. 1076.1 VHDL-AMS
    b. IBIS
    c. Coordination with Andrew Dahlman
12. Activities and meeting schedule
13. Adjourn