DASC Presentation — FDL-2001

P1076 VHDL Analysis and Standards Group

- *2000 Edition* approved: added protected types for shared variables
- 2001 revision in final recirculation before approval
- Collecting requirements for VHDL-200x

Issues Screening and Analysis Committee

- Plans to address outstanding issues, forward LCSs to VASG for 200x.

VHDL Programming Language Interface Task Force

- Aiming for iternal draft end of 2001.

P1076.1 VHDL Analog and Mixed-Signal Working Group

- Approved 1999.
- Working group considering minor enhancements to improve language usability
- Study group formed for standard packages for energy domains (elec, mech, thermal, etc)

P1076.2 VHDL Math Package Working Group

- Approved 1996. Revision/reaffirmation review due to start.

P1076.3 VHDL Synthesis Package Working Group

- Approved 1997. Revision review due soon. Proposal for synthesizable fix- and floating-point packages.

P1076.4 Timing (VITAL) Working Group

- Revision approved 2000, now reviewing issues arising.

P1076.6 VHDL Synthesis Interoperability Working Group

- Approved 1999: “lowest common denominator” subset
- Now working towards significantly expanded subset based on “in principle” synthesizability.

P1164 VHDL Multivalue Logic Packages Working Group

- Approved 1993. Review in progress: minor enhancements, including I/O for std-logic types.

P1577 Object Oriented VHDL Working Group

- Quiescent.

Lib IEEE Study Group

- Seeking PAR to standardize what may go in library IEEE, to avoid incompatibility between vendors’ tools.

VHDL Microwave Study Group

- Developing proposal to extend VHDL & VHDL-AMS for high-frequency modeling.

P1029.1 Waveform and Vector Exchange Working Group

- Revision approved in 1998. Working Group quiescent.

P1364 Verilog Working Group

- Revision approved 2001: several language enhancements. In final editing phase.

P 1364.1 Verilog Synthesis Subset Working Group

- Quiescent pending Verilog-2001 completion.

P1481 Circuit Delay and Power Calculation Working Group

- Approved 1999. Working group meeting regularly to review and update work.

P1499 Open Modeling Forum Working Group

- Approved 1998. Working group quiescent.

P1497 Standard Delay Format Working Group

- Draft ready for submission to IEEE approval process.

P1551 VHDL System and Interface based Design Working Group

- Quiescen

P1596 Advanced Library Format (ALF) Working Group

- PAR approved 2001. Standardizing semantics of descriptions of technology-specific library cells. Functional, physical & electrical characteristics.

OpenAccess Study Group

- Was CHDstd. Change of contributed technology (was IBM, now Cadence) lead to name change.
- Proposing standard API for accessing design data. Work in progress.