

# IEEE OOVHDL Working Group

## Draft Bylaws - 13 August 2000

### Introduction

The IEEE Object-Oriented VHDL (OOVHDL) Working Group is established to develop the standard document, "IEEE Trial Use Standard for Object-Oriented Extensions to IEEE Standard VHDL." The Scope of the project is:

To define new language features and to extend existing language features of VHDL to allow object-oriented and generic modeling of electronic systems. Among the approaches to be considered are: expression of abstract data types, including encapsulated data and applicable operations; inheritance of data and operations; polymorphism of objects; and genericity of types.

The Purpose of the project is:

Object-oriented and generic modeling offer mechanisms for abstraction and encapsulation of descriptions of designs and testbenches, and thus provide significant potential for reuse. These mechanisms are important for managing the increasing complexity of design descriptions. The overall goal is to increase the productivity of electronic system design engineers.

### Governance

The OOVHDL Working Group shall be subject to these bylaws, and to the bylaws of the Design Automation Standards Committee (DASC) and the policies, procedures and bylaws of parent bodies of the DASC.

### Organization

#### Membership

The OOVHDL Working Group shall comprise Members and Observers. Any person may be an Observer by participating in meetings and dialog on the oovhdl email list. An Observer shall become a Member by participating in two out of three successive Events. An Event is an announced meeting of the OOVHDL Working Group or a vote conducted on the oovhdl email list. Upon becoming a Member, a person is eligible to vote. An Observer may participate in an email vote by responding to the call for votes, however, their vote shall not be counted.

Upon approval of these bylaws by the DASC Steering Committee, Members and Observers will be determined as above by participation in the three Events preceeding approval of the bylaws.

#### Officers

The OOVHDL Working Group shall have the following Officers:

- a Chair,
- a Vice-Chair,
- a Secretary, and
- a Technical Editor.

The Chair, Vice-Chair and Secretary shall be distinct persons. The Technical editor may be one of the Chair, Vice-Chair or Secretary.

The responsibilities are set out in the DASC, SAB and SA policies, procedures and bylaws. In addition, the Secretary shall be responsible for maintaining a roster of Observers and Members, and for maintaining the oovhdl email list and the oovhdl web site. The Secretary may coopt assistance in these activities.

### **Election of Officers**

The Chair shall be a Member appointed by the DASC Steering Committee. The nominee for Chair shall be elected by the Members. The remaining Officers shall be Members nominated and elected by the Members. Officers shall be elected for terms of two-years, with a maximum of four terms.

Officers shall be elected by the “approval” method of voting, where a voter may vote for any number of candidates and the one with the most votes wins. In the case of a tie, a run-off vote shall be held among the tied candidates.

Where an Officer ceases to be an Officer, another Member shall be appointed on an interim basis by the DASC Steering Committee for a period of at most six months. Within that period, the Members shall elect a new Officer.

Upon approval of these bylaws by the DASC Steering Committee, the Members shall elect the first set of Officers under these bylaws.

### **Conduct of Business**

The business of the OOVHDL Working Group shall be conducted in a combination of “in-person” meetings and by email on the oovhdl email list. Notice of meetings shall be given on the oovhdl email list and on the web site.

Consensus shall be determined by approval votes, either at meetings or by email on the oovhdl email list. Only Members shall be eligible to vote, however, the responses of Observers shall be recorded. In particular, the response of an Observer shall count towards the Observer’s potential conversion to Member status.

The quorum for a meeting or an email vote shall be 50% of Members. Where a quorum of Members is not present at a meeting, matters voted upon informally shall be ratified by a subsequent email vote. A vote shall pass with a majority of at least 75% of participating eligible voters.

### **Maintenance of Bylaws**

These bylaws are subject to the approval by ballot of the DASC Steering Committee, and any question of interpretation shall be resolved by the DASC Steering Committee. Any changes to these bylaws shall be proposed and approved by a vote of the Members, and shall then be subject to approval by ballot of the DASC Steering Committee.