DWARF Debugging Information Format Committee
Operating Procedures

1.　Overview and Objectives

The DWARF Debugging Information Format Committee (generally referred to below as the DWARF Committee) is a program of the IEEE Industry Standards and Technology Organization (IEEE-ISTO). It is an open forum established to facilitate computer industry consensus, and promote uniform standards for the DWARF Debugging Information Format.   The DWARF Debugging Information Format is used to describe computer programs in a variety of programming languages and how they are translated into machine language. This description is used to support debugging or other analysis of these programs.

The DWARF Committee will provide a source of information regarding the DWARF Debugging Information Format, and foster communication between potential suppliers, customers of the resulting products, and potential members.

2.　Scope and Term

The DWARF Committee is expected to continue its activities indefinitely. The DWARF Steering Committee (see Section 4) is responsible for oversight of all activities, including the continued evaluation and determination of the life span of the organization.

3.　Membership

Membership in the DWARF Committee is granted on either a corporate or individual basis, and is open to all interested persons.

All members are expected to use reasonable efforts to promote standardized object code and debugging formats, but members are in no way restricted from supporting proposals or delivering products compliant to specifications beyond or competitive with those proposed or supported by the DWARF Committee.

All members will be referenced according to their membership level on the DWARF Committee's web site, and provided regular updates on the status and activities of the program. DWARF Committee members are industry leaders developing software development tools such as compilers, assemblers, linkers, debuggers, and source browsers.

Members who are interested in actively participating in the development of the DWARF Debugging Information Format, by contributing time and other resources, may join the DWARF Steering Committee.

> **Corporate Sponsor ($2,000)**
> Corporate Sponsor members have voting rights on the DWARF Steering Committee, the body responsible for oversight of all DWARF Committee activities, including but not limited to:
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> > - expenditures
> > - scope and messaging of marketing efforts
> > - need and cost structure for follow-on work
> > - selection of sources for technical editing and program management
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> **Individual Supporter ($100)**
> Individual Supporter members are those individuals who wish to help accelerate the DWARF Debugging Information Format standards by supporting and participating in the activities of the DWARF Committee. Individual Supporters have equal voting rights on the DWARF Steering Committee.

Both Corporate Sponsors and Individual Supporters are granted a license to reference their DWARF Debugging Information Format Committee support in all marketing and promotion material.

4.   DWARF Steering Committee

The DWARF Steering Committee is responsible for oversight of all DWARF Committee activities. All public communications, including technical reports and press releases, must be approved by the Steering Committee. The Steering Committee also appoints a Chair, as well as consultants and contractors needed to assist in the administration and activities of the DWARF Committee, and monitor's the DWARF Committee 's relationships with such persons.

The IEEE-ISTO, as secretariat of the DWARF Committee, is authorized to enter into contracts on behalf of the DWARF Committee. Expenditures greater than $5,000 require the simple majority vote of the DWARF Steering Committee.

The Steering Committee will consist of those companies and individual members who have joined the DWARF Committee and have made a commitment to active participation in the direction of the DWARF Committee. Members of the Steering Committee are expected to attend at least the majority of the meetings of the Steering Committee.

The Steering Committee may meet via face-to-face meetings and/or conference calls scheduled on announced dates. The Chair will prepare an agenda, and action items (minutes) will be distributed shortly after each meeting.

Each Corporate Sponsor or Individual Supporter has a single vote on the Steering Committee. The Steering Committee may, at its discretion, establish working groups to address specific issues. All members may participate in the activities of the working groups and have equal say in the discussions at the working group meetings.

The DWARF Steering Committee may amend, rescind, or create policies to manage the activities and affairs of the Debugging Committee. A simple majority vote of the Steering Committee is required for approval.

5. Dues and Fees

Dues and fees for each class of members will be established from time to time by the Steering Committee. The Steering Committee may suspend any member who is delinquent in payment of dues or fees from participation in the Steering Committee and/or general DWARF Committee activities.

The dues for annual membership in the DWARF Committee will be:

- Corporate Sponsor Member - $2,000
- Individual Supporter Member - $100

The member dues are to be billed on an annual basis (July - June). The dues for those members who join after November 1 will be 50% of the annual membership dues for the remainder of the membership year. Dues for members who join after April 1 will be the full membership dues, but will extend through the following membership year. The IEEE-ISTO, as secretariat of the DWARF Committee, will coordinate all membership dues collection and renewals.

Any member may avoid liability for dues or fees by promptly submitting a written resignation upon notification of the dues or fees. However, no dues or fees will be refunded to any person whose membership terminates for any reason, and termination will not waive a person's obligation for any previously assessed and accepted dues or fees that are delinquent.

6. Resignation, Suspension or Termination

Any member may resign as a member of the DWARF Committee or the DWARF Steering Committee, effective immediately, by submitting a written resignation letter to the IEEE-ISTO with a copy addressed to the DWARF Steering Committee Chair. A member may be suspended or expelled from participation in the DWARF Committee for failure to pay dues and fees as may be required, or for conduct which is seriously detrimental to the best interests of the DWARF Committee. Suspension or expulsion will be by a two-thirds vote of the Steering Committee after fifteen (15) days written notice to the member. Once suspended or terminated, members may be reinstated with a two-thirds vote of the Steering Committee.

A member of the Steering Committee who does not participate in three consecutive meetings of the Steering Committee may be removed from the Steering Committee by a vote of the majority of the participating Steering Committee members.

7. Intellectual Property Guidelines

Ownership of intellectual property rights in deliverables and work developed by the IEEE-ISTO and the DWARF Committee shall reside in the IEEE-ISTO, as more fully described below.

Deliverables are defined as the materials, Program Services and output generated by the IEEE-ISTO on behalf of the DWARF Committee, and the output generated by the DWARF Committee as a program of the IEEE-ISTO. A deliverable is defined as, but is not limited to, marketing materials, graphic designs, reports, white papers, etc. Program Services to be completed by the IEEE-ISTO are set forth in the DWARF Committee Participant Program Agreement Exhibit A - Schedule 1.

IEEE-ISTO agrees to execute and deliver any and all papers necessary to reflect the DWARF Committee 's interest in the deliverables developed and delivered. To the extent that any intellectual property right owned by IEEE-ISTO relates to any of the deliverables or activities of the DWARF Committee, the IEEE-ISTO grants the DWARF Committee, upon full and final payment to IEEE-ISTO hereunder, a royalty-free, fully paid-up, nonexclusive license for an unlimited term to use such intellectual property rights for purposes in connection with the deliverables. Such purposes may include work by third parties who will be bound by an appropriate non-disclosure Agreement.

Except as to any patent needed to comply with a standard or specification developed and published by the DWARF Committee, IEEE-ISTO agrees that any invention or discovery, whether patentable or not, made or conceived by its employees assigned to provide services, which directly relates to the objectives of the DWARF Committee, and was conceived of or reduced to practice during the providing of Program Services, shall be the property of the DWARF Committee, as shall any invention made or conceived by any employee of IEEE-ISTO which is at least partially based on confidential information of the DWARF Committee. As to any such patent needed for compliance, IEEE-ISTO shall retain an interest for the purpose of assuring the availability of non-discriminatory and reasonable licenses.

All materials developed by IEEE-ISTO solely for the DWARF Committee, whether in written, videotape or some other form, shall be considered works for hire and all rights to such materials, including the copyright, shall be assigned to the DWARF Committee.

All publications, documents, models, drawings, specifications, applications and copies thereof, supplied by the DWARF Committee and/or its members to IEEE-ISTO, or prepared by IEEE-ISTO for the DWARF Committee in the course of carrying out the Secretariat Services set forth below, are and shall remain the property of IEEE-ISTO, and licensed to the DWARF Committee under a royalty-free, fully paid-up, nonexclusive license for an unlimited term. Upon completion of the Program, IEEE-ISTO shall return such material, if required, to the DWARF Committee and/or its member(s).

8.   DWARF Committee Governance

The DWARF Committee is organized as a program of the IEEE-ISTO, and as such agrees to abide by the policies and procedures of the IEEE-ISTO as from time to time may be in force. The policies and procedures by which the DWARF Committee 's activities are governed are embodied in the following documents: DWARF Debugging Information Format Committee Operating Procedures (this document), DWARF Debugging Information Format Committee Participant Program Agreement (executed between the IEEE-ISTO and the DWARF Committee), IEEE-ISTO Bylaws, and the IEEE-ISTO Antitrust Guidelines.

9. DWARF Committee and the IEEE-ISTO

The IEEE Industry Standards and Technology Organization (IEEE-ISTO) was established on 1 January 1999 as an independent not-for-profit corporation, tax exempt under Section 501(c)(6) of the U.S. tax code. The organization is affiliated with the Institute of Electrical and Electronics Engineers (and the IEEE Standards Association), through a license agreement which permits the IEEE-ISTO to utilize the IEEE Name and Service Marks.

The IEEE-ISTO offers industry groups (e.g., consortia, special interest groups, alliances, forums, working groups) an innovative and flexible operational forum and support services for development and post-development standards and technology development activities. The IEEE-ISTO operates as an umbrella organization to provide the legal forum for industry groups to operate, without the need to incorporate themselves as a legal entity.

The IEEE-ISTO enables developers to define their unique rules and procedures to build a foundation tailored to the technology, the market, the participants, the required time-frame, and the financial and human resources available to achieve their goals. The organization provides a forum not only to develop standards, but also to facilitate the activities that support the standard in the marketplace.

The IEEE-ISTO provides the legal forum under which the DWARF Committee operates. The IEEE-ISTO facilitates the DWARF Committee 's activities by providing the following "secretariat" services:

- Formation assistance
- Financial management
- Record keeping
- Planning and meeting management (e.g., representation at trade shows)
- Headquarters office services and identity
- On-line services and communications
- Promotion and marketing

The formal agreement establishing the DWARF Committee as a program of the IEEE-ISTO is set forth in a Participant Program Agreement entered into between the two organizations. The IEEE-ISTO shall have the right to have a representative involved as an observer during all activities (including but not limited to: conference calls, meetings, interoperability demonstrations) of the DWARF Committee.