

PAR FORM

PAR Status: New PAR (Unapproved PAR)

PAR Approval Date: 0000-00-00

PAR Signature Page on File: No

1. Assigned Project Number: 1450.4

2. Sponsor Date of Request: 2004-02-03

3. Type of Document: Standard for

4. Title of Document:

Draft: Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Test Flow Specification

5. Life Cycle: Full-Use

6. Type of Project:

6a. Is this an update to an existing PAR? No

6b. The Project is a: New Standard

7. Working Group Information:

Name of Working Group: STIL Flow Working Group

Approximate Number of Expected Working Group Members:10

8. Contact information for Working Group Chair:

Name of Working Group Chair: Dave Dowding

Telephone: 970-635-6928 **FAX:** 970-679-5300

Email: dave_dowding@agilent.com

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian: Tony Taylor

Telephone: 650-584-5684 **FAX:** 650-584-4128

Email: t.taylor@ieee.org

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Computer Society Test Technology

Name of Sponsoring Committee Chair: Rohit Kapur

Telephone: 650-584-1487 **FAX:** 650-584-4128

Email: rkapur@synopsys.com

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: **FAX:**

Email:

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

Telephone: **FAX:**

Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: **FAX:**

Email:

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: 2004-09-01

12. Fill in Projected Completion Date for Submittal to RevCom: 2004-12-01

Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

Define structures in STIL for specification of the order of execution of test program components. Define structures in STIL such that test flows are specified in a structured manner to facilitate automated modification or maintenance. Define structures in STIL for specifying a common interface between the flow environment and test program components. Define structures in STIL for defining flow related variables and expression processing that is managed by the flow. Create in STIL examples of a test program components for the purpose of illustrating the key features of the interface. An example of a typical set of test program components shall be developed to model and demonstrate the flow methodology and common Flow-Test interface being proposed with this supplement. A set of test program components is to be developed by a separate working group (P1450.5). Define structures in STIL that provide for a hierarchy of flow and test component modules. Examples of the need for hierarchy in STIL is in support of sub-flows and binning.

Is the completion of this document contingent upon the completion of another document? Yes

The syntax of P1450.4 may need to use constructs now being finalized in P1450.1. It is anticipated that P1450.1 will be approved in advance of this project.

14. Purpose of Proposed Project:

STIL is the standard for the interchange of digital test data from the test generation environment (where a great deal of design information is used to generate device tests) to the test and manufacturing environment. The STIL standard initially addressed the essential digital test description information (i.e., signals, timing, vectors and parameter specifications). Other aspects needed for testing devices were to follow in extension activities such as this standard to address test flow extensions to STIL. This extension will provide the constructs to describe the test program flow and sequencing data needed to compose a test program to run on an Automatic Test Equipment platform.

14a. Reason for the standardization project:

This standard will facilitate the use of STIL on automatic test equipment.

15. Intellectual Property:

Has the sponsor reviewed the IEEE patent policy with the working group? Yes

Is the sponsor aware of copyrights relevant to this project? No

Is the sponsor aware of trademarks relevant to this project? No

Is the sponsor aware of possible registration of objects or numbers due to this project? No

16. Are there other documents or projects with a similar scope? No

Similar Scope Project Information:

17. Is there potential for this document (in part or in whole) to be adopted by another national, regional or international organization? Do not Know

If yes, please answer the following questions:

Which International Organization/Committee?

International Contact Information?

18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.

19. Additional Explanatory Notes: (Item Number and Explanation)

This PAR is to re-continue the P1450.4 effort that was temporarily terminated by IEEE in 2003.