

Unapproved Working Document - Property of IEEE P1500

## Status Report

# P1500 Documentation Task Force


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IEEE P1500 WG Meeting  
DATE-2000 - Paris, France  
March 30, 2000

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## P1500 Documentation Task Force Organization

- **Mission**  
Produce first draft document of P1500 standard for non-merged digital logic and memory cores
- **Target**  
Document progress of technical Task Forces with at most one WG meeting delay
- **Members**
  - Erik Jan Marinissen\* (Philips Research) – Tony Taylor (Synopsys)
  - Nilanjan Mukherjee (Mentor Graphics) – Jon Udell (Palmchip)
  - Mike Ricchetti (Intellitech) – Alex Zamfirescu (ASC)
- **Meetings**
  - Biweekly teleconference meetings of 1.5 hours  
Thanks to Mentor Graphics (Nilanjan) for providing facilities!
  - Password-protected web site at IEEE computer

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**P1500 Documentation Task Force**  
**IEEE P1500/D0.1**

- Released in P1500 WG meeting of January 2000
- Captures status of P1500 in January 2000
  - Based on contributions from technical Task Forces
  - As much as possible in line with IEEE Style Manual
  - Used IEEE Draft Standard template for MS-Word97
- Distributed as PDF file per e-mail in February 2000 to active P1500 members who enlisted as reviewer
  - All text is preliminary and subject to change
  - Cannot be well understood without proper introduction
  - Hence, no release to general public yet!

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**P1500 Documentation Task Force**  
**Table of Contents P1500/D0.1**

Title, Abstract, Key Words	7. Core Test Language
Introduction, Participants, Acknowledgements, Table of Contents	7.1 Introduction
1. Overview, Scope, Purpose	7.2 Process/Data Flow
2. References	7.3 The STIL Data Model
3. Definitions, Acronyms and Abbreviations	7.4 STIL Extensions
4. Structure of This Standard	7.5 Environment
5. Dual Compliance Levels	7.6 CTL Environment Statements
6. Scalable Architecture Hardware	7.7 Examples
6.1 Overview	7.8 Use of Basic STIL Language for Core Applications
6.2 Wrapper Instruction Register (WIR)	7.9 STIL-A Extensions of Interest to Cores
6.3 WIR Instructions	8. IEEE 1500 Compliance Level 1
6.4 Wrapper Cells	9. IEEE 1500 Compliance Level 2
	Annex A: Glossary
	Annex B: Application Examples

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## **Overview Achievements**

1. Sent our P1500/D0.1 to enlisted reviewers  
Received back reviewers comments  
Handling reviewers comments
  
2. Established improved Table of Contents
  
3. Relative little new technical material  
– Decided to postpone release of P1500/D0.2

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## **1. Review Results**

- Several reviewers sent in valid and useful comments about D0.1 - Thanks for that!
- DocTF members did reviews themselves as well
- Substantial improvements in
  - 6.2 Wrapper Instruction Register
  - 6.3 WIR Instructions
  - Annex A: Glossary
- The CTL Task Force has produced a completely revised version of their texts

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## 2. Revision Table of Contents

- Document divided into four major 'parts'
  1. Introduction
  2. Core Test Language
  3. Scalable Architecture Hardware
  4. Compliancy Definitions
- Every part can have dedicated introductory texts
- Section numbering and page numbering restart in every part
- Benefits
  - Better organization
  - Easier for reader to find his way in the document
  - Easier to maintain for future revisions of standard

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## 2. Revised Table of Contents

Title, Abstract, Key Words Introduction, Participants, Acknowledgements, Table of Contents	<b>Part 3: Scalable Architecture Hardware</b> <ol style="list-style-type: none"><li>1. Overview</li><li>2. Wrapper Instruction Register</li><li>3. WIR Instructions</li><li>4. Wrapper Cells</li></ol>
<b>Part 1: Introduction</b> <ol style="list-style-type: none"><li>1. Overview, Scope, Purpose</li><li>2. References</li><li>3. Definitions, Acronyms and Abbreviations</li><li>4. Structure of This Standard</li><li>5. Dual Compliance Levels</li></ol>	<b>Part 4: Compliancy Definitions</b> <ol style="list-style-type: none"><li>1. IEEE 1500 Compliance Level 1</li><li>2. IEEE 1500 Compliance Level 2</li></ol>
<b>Part 2: Core Test Language</b> (Detailed sections to be defined)	Appendices A: Glossary B: Application Examples

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## 3. Release P1500/D0.2

- Originally, release of D0.2 planned for DATE-2000
- Release of D0.2 delayed until VTS-2000
  - Insufficient new content from technical Task Forces
  - Insufficient time of DocTF members
  - Difficulties with MS-Word97
- Rather a substantial improvement at VTS than a release at DATE 'just because it was promised'

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9

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## DocTF Continues...

- Release P1500/D0.2 planned for VTS (April 2000)
- Continue biweekly teleconference meetings
- 'To Do' list:
  - Writing of (currently missing) introductory texts
  - Acquisition of missing technical texts from technical Task Forces
  - Taking care of reviewer comments
  - Traditional editing work: typos, rewording, figures, etc.

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10

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