

## Status Report

# P1500 Instruction Tiger Team

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# Task Force Organization

- **Mission**

Create a standard set of instructions for the IEEE P1500 standard

- **Members**

- Teresa McLaurin\* (ARM Inc)
- Paul Soong (Nortel Networks)
- Lee Whetsel (TI)
- Jason Doege (Inovys)

# Current Instruction Set

Instruction	Description
WBYPASS	Functional mode – Wrapper in Bypass
WEXTEST	External Test mode using a single wrapper chain
WPRELOAD	Loads data into a dedicated shift path
WCLAMP	Outputs a static signal, wrapper in Bypass, WPRELOAD precedes
WSAFESTATE	Outputs a static signal, wrapper in Bypass, core in quiet mode
WSWCORETEST	Internal test using a single scan chain in WBR
WSCORETEST	Internal test using concatenation of WBR chain and internal chain
WCORETEST	Internal test using a template for description of wrapper and test
WEXTESTP	External Test mode using multiple wrapper chains
WPRELOADP	Loads data into multiple dedicated shift paths

# Current Instruction Set

Instruction	Mandate
WBYPASS	Mandatory
WEXTEST	Mandatory
WPRELOAD	Mandatory if there is a dedicated shift path
WCLAMP	Optional
WSAFESTATE	Optional
WSWCORETEST	At least one CORETEST instruction is Mandatory
WSCORETEST	
WCORETEST	
WEXTESTP	Optional
WPRELOADP	Optional