

P1800 Errata Ratification Process Proposal

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Background

- **Errata Process:**
 - Errata WG is chartered to collect, prioritize, address, and propose resolutions for SystemVerilog Errata
 - These “resolved” issues will be ratified by P1800 WG before they are incorporated into the IEEE LRM
- **Problem Statement:**
 - There will be tens of resolved issues that need to be discussed and ratified by P1800
 - Discussing and approving each of the issues in a serial manner will be inefficient

Proposed Process Objectives

- Define an efficient, yet comprehensive, process which will enable a review of the approved Errata before their ratification
- Process should focus on the key issues rather than each of them
- Process should remain at a high level of abstraction:
 - We don't want to rehash the technical debates of SV committees
- This will require more pre-work by Errata WG

Process Proposal

- P1800 shall review and approve Errata in “buckets” rather than each of them
- Bucket examples:
 - Simple LRM changes
 - Simple Syntax errors
 - Simple Typo fixes
 - BNF modifications
 - Assertions related
 - Data Types; Data Structures
 - Expressions related
 - Test Bench related
 - API related
 - Clarifications
 - Etc.

Process Proposal (*cont*)

- Focus on:
 - Issues which were not unanimously approved either by technical group or Champions
 - Focus on issues which are not simple LRM change; typo; clarification; simple syntax; etc
 - Issues which are flagged by Errata WG chair as “interesting” or/and need further analysis
 - For example those which are not a clear errata (may require enhancements)
 - May have impact / inconsistency on Verilog
 - Etc.

Process

- Errata WG chair to send a list of resolved issues that need to be ratified by P1800, one week before the WG meeting
 - List should be bucketed per categories
 - List should include “voting” information
 - Chair is advised to flag issues of contention
- Every P1800 member is asked to review the list before the meeting; consult with his technical people as required
 - Come prepared with your opinion for each of the issues before the meeting
 - The meeting purpose is not to discuss the technical debate of each issue