RFC 4960 Errata

draft-tuexen-tsvwg-rfc4960-errata

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Status

• Currently lists 19 issues:
  – All reported Errata are covered.
  – Editorial changes based on reports via e-mail are covered.
  – A part of collected issues in https://github.com/sctplab/rfc4960bis/issues.

• 23 issues remain.
Covered Issues

Technical Errata:
• Path Error Counter Threshold Handling (Errata ID 1440)
• CRC32c Sample Code on 64-bit Platforms (Errata ID 3423)
• Endpoint Failure Detection (Errata ID 3788)
• T1-Cookie Timer (Errata ID 4400)
• partial_bytes_acked after T3-rtx Expiration
• Order of Adjustments of partial_bytes_acked and cwnd
• HEARTBEAT ACK and the association error counter
• Path for Fast Retransmission

Editorial Errata:
• Upper Layer Protocol Shutdown Request Handling (Errata ID 1574)
• Registration of New Chunk Types (Errata ID 2592)
• Variable Parameters for INIT Chunks (Errata ID 3291 and 3804)
• Data Transmission Rules (Errata ID 4071)
• CRC32c Sample Code
• Miscellaneous Typos (6 issues)
Remaining Issues

Technical Errata:

• ICMP9 Procedure of ICMP Handling
• cwnd overbooking
• Only one packet after T3
• Issue with cwnd Degradation due to Max.Burst
• Initial Value of ssthresh
• Issue with Transmittal in Fast Recovery
• Issue with Zero Window Probing and Unreachable Primary Path
• INIT ACK Path for INIT in COOKIE-WAIT State
• Issue with Value 0 in Table 2
• Issues with Action B of Table 2
• Issue with Automatically CONFIRMED Addresses
• Outstanding Data, Flightsize and Data In Flight Terms
• Remove Hostname parameter
• Inconsistency in Sections 8.2 and 8.3
• cwnd increase by more than MTU per RTT
Remaining Issues

Improvements:

• Reaction to ICMP host/net unreachable
• Reporting soft errors to APP
• ssthresh Refresh after Idle Period
• partial_bytes_acked Increase
• DATA and Reply Chunks Path in MH Case
• Window Updates after Window Opens up
• Investigate supported address types parameter
• Handling of DSCP changes
Future

• Cover remaining issues.
• Call for WG adoption (IETF95).