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).