GTSM Revision(s)

draft-ietf-rtgwg-rfc3682bis-06.txt

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GTSM History

- BTSH -- Meyer/Gill

- rfc3682bis (00) posted in March 2004

  - Five revisions in the next ~6 months

  - -05 in Apr/05, work revived in -06 in Aug/06

- Applicability

  - Lightweight TTL=255 checking metchanism for single-hop TCP sessions (initially eBGP)

  - To be used instead of/in addition to TCP-MD5

  - Multihop scenarios for further study

Changes: -05 to -06

- Clarify the assumptions WRT resource separation and protection

- Rewrite the GTSM procedure

- Move TrustRadius and multi-hop scenarios to a non-normative part in the Appendix

- Describe TCP-RST, ICMP error and "related messages" handling

- Update the tunneling security considerations text

- Editorial updates (e.g., shortening the abstract)

Discussion Point #1

- **GTSM session could be reset withTCP-RST or ICMP hard error**
  - Fix: "Related messages" must also use TTL=255
    - TCP-RSTs: rather straightforward?
    - ICMP errors: might require changes in ICMP origination for GTSM applications
  - Is this too drastic action?
  - How well does it interoperate?

Discussion Point #2

- **multi-hop GTSM complicates the spec and has different applicability**
  - Fix: moved multi-hop/trust-radius to non-normative appendix
    - More study of its usefulness is needed
  - Single-hop GTSM is baked enough

Questions/Comments?

- **Thnx!**