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 mechanism 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 with TCP-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!