RFC 793bis Status

draft-ietf-tcpm-rfc793bis

https://datatracker.ietf.org/doc/draft-ietf-tcpm-rfc793bis/

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Background

- Goal is to revise RFC 793, since many parts of it have been modified, superseded, added to, corrected, or clarified in additional RFCs or errata, and it can be very confusing

- All verified errata have been incorporated

- Normative changes from several other RFC have been incorporated
  - 879, 6093, 6528, 6691
  - 1122 – partial, still in-progress

- Document source is managed in git repository:
  - https://bitbucket.org/weddy/rfc793bis

Changes since last meeting

- Document updated from revision -00 to -01
  - Integrated several parts of RFC 1122
  - Integrated the change to the reserved bits due to ECN

- Diff:
  - https://tools.ietf.org/rfcdiff?url2=draft-ietf-tcpm-rfc793bis-01.txt

New Questions for Working Group

- Per discussion on the TAPS list, around 6/20/2015, the description of the API could potentially be revisited
  - My recommendation is to **not** attempt this in 793bis, but possibly "afterwards", because we want to limit the scope of changes to things with established consensus (e.g. published RFCs, errata, etc)

- There was some mailing list discussion about some sections of 1122 that deal with TCP implementation and "efficiency", but are not normative or protocol interoperability concerns
  - Feedback suggests that we should not try to integrate these things (Yuchung shared good logic for why not)
  - My recommendation is to **not** include implementation advice, and simply point to the TCP Roadmap which lists other RFCs with TCP implementation advice

Forward Plans

- Near-term: finish RFC 1122 incorporations before end-of-year

- Longer-term:
  - Burn down other list of TODO items in Section 4 of the document over next six months