The Problem

- UDP retransmission is defined in RFC 5080, Section 2.2
- TCP doesn’t retransmit, RFC 6613 Section 2.6.1
- OK… what about proxies?
The Problem

- NAS retransmits due to UDP
- Proxy1 does not retransmit due to TCP
- Proxy 2 does…. uh… what?
Even worse

- It’s been 9 years since RFC 5080 has been published. How many NASes implement it?
- Is the UDP retransmission behaviour optimal? If so, why? If not, why not?
- Proxy issues are not adequately covered by existing RFCs
What we know

- RADIUS servers are smart, and can be upgraded relatively easily.
- NASes are dumb, and are hard to upgrade.
- There is no RADIUS routing protocol.
- All signalling has to be real-time, in-band.
Proposal

- I suggest a “best current practices” document covering “proxy considerations”

- We also need consensus on what it recommends.
Discussion?