NTPv5 Requirements

NTP WG IETF 110

Why?

- Suggested at IETF 109
- Centralise all the needs/wants early in the design
- Help us get consensus on difficult points

Summary of current requirements

- New linear timescale
- Support for UTC and TAI representations
- Separation of steering algorithms from the protocol specification
- Authentication, with optional confidentiality
- Backwards compatibility, with ossification mitigation
- Extensibility

Other areas to cover

- Rate limiting
- DDoS mitigations
- Data minimisation
- NAT friendliness
- Preliminary threat model

Should the Working Group consider adopting this document?

What should be the process we use to apply
the requirements to the design of NTPv5?