

RTP Interoperability Testing

Colin Perkins

University College London

The need

- RFC 2026 states that “two independent and interoperable implementations” of every feature are needed to advance a protocol to draft standard.
- We are at this stage with RTP.

Interop testing

Three drafts describe the interop testing:

- `draft-ietf-avt-rtp-interop-02.txt`
- `draft-ietf-avt-profile-interop-00.txt`
- `draft-ietf-avt-rtpptest-02.txt`

with a web page showing the status

- <http://www-mice.cs.ucl.ac.uk/multimedia/misc/avt/RTPinterop/>

Status: basic RTP

- Use of padding
- Use of header extension
- SDES PHONE/LOC/PRIV
- BYE with multiple SSRC/reason text
- APP packets
- Encryption

Status: advanced RTP

- RTCP reconsideration algorithms and step join back-off
- SSRC collision/loop detection

Status: profile features

- Modification of RTCP bandwidth fraction
- Transport using TCP

Status: codecs

- 1016
- G.726-32
- G.723
- G.722
- QCELP
- G.728
- G.729
- GSM HR/EFR
- PCMA
- CellB
- JPEG
- MPT
- MP1S
- MP2P
- BMPEG
- H.263/H.263+
- BT.656

A plea for help...

Your help is needed!