

VoIP Information elements in IPFIX

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Requirements

Control Plane

Record per session or SIP message

User Plane

Record per stream or per stream
section

Consistency across vendors

Existing drafts

Control Plane

draft-trammell-ipfix-sip-msg-02

User Plane

draft-akhter-opsawg-perfmon-ipfix-02

draft-scholz-ipfix-rtp-msg-00

Correlation

to be defined

Proposed Next Steps

Joint effort

Draft for RTP transport metrics

Draft for RTP audio

(Optional) draft for RTP video

Vendor-specific extensions outside
above drafts

IANA allocated IEs vs. PEN

Which IEs are vendor-independent and which are not?

Proposal: We come up with a list for discussion.

Where to discuss?

IPFIX?

OPSAWG?

IPPM?

Transporting MOS information

Should we mimic the RTCP-XR
approach?

draft-wu-xrblock-rtcp-xr-quality-
monitoring-08

Granularity?

What happens if one stream (5-tuple) has multiple SSRCs?

multiple IPFIX records

one IPFIX record

Dependencies

Video, conferencing

draft-wu-xrblock-rtcp-xr-quality-monitoring