

RTCP Feedback for Congestion Control

draft-dt-rmcat-feedback-message-01

Zahed Sarker – Ericsson

Colin Perkins – University of Glasgow

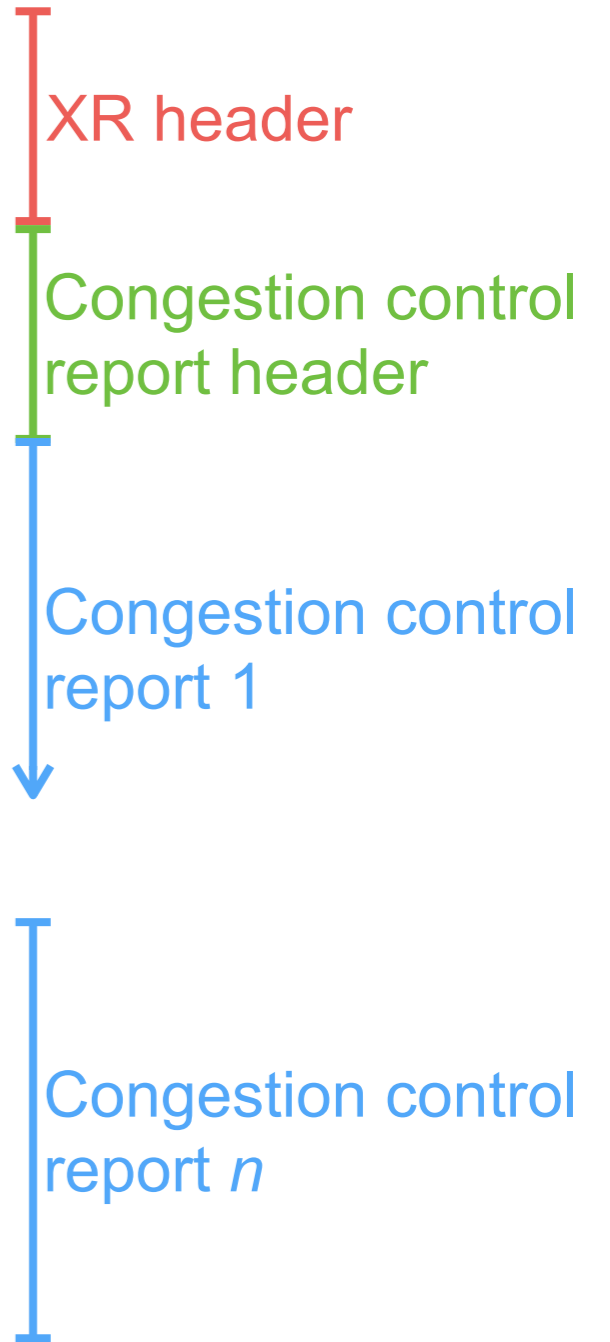
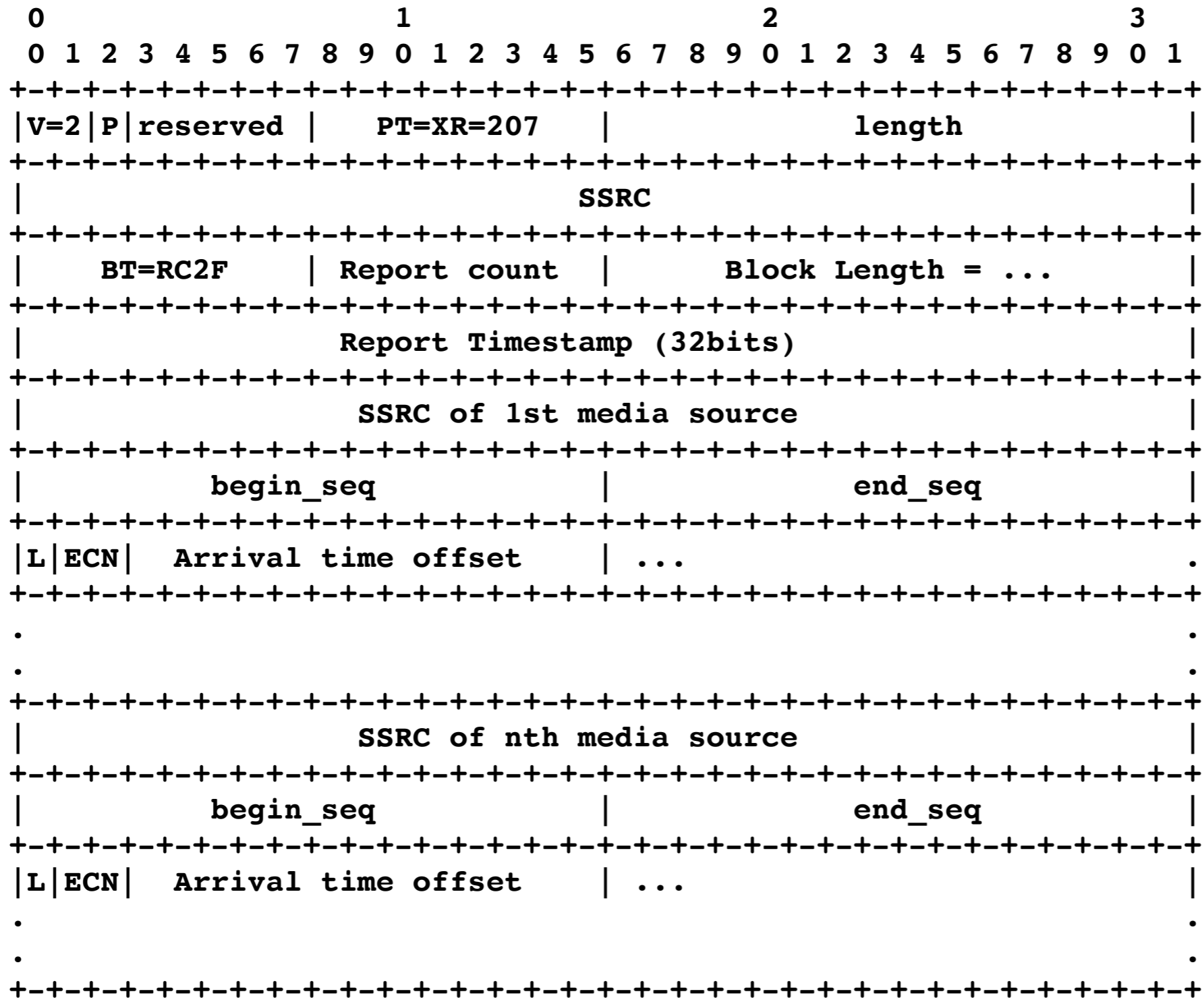
Varun Singh – callstats.io

Michael Ramalho – Cisco

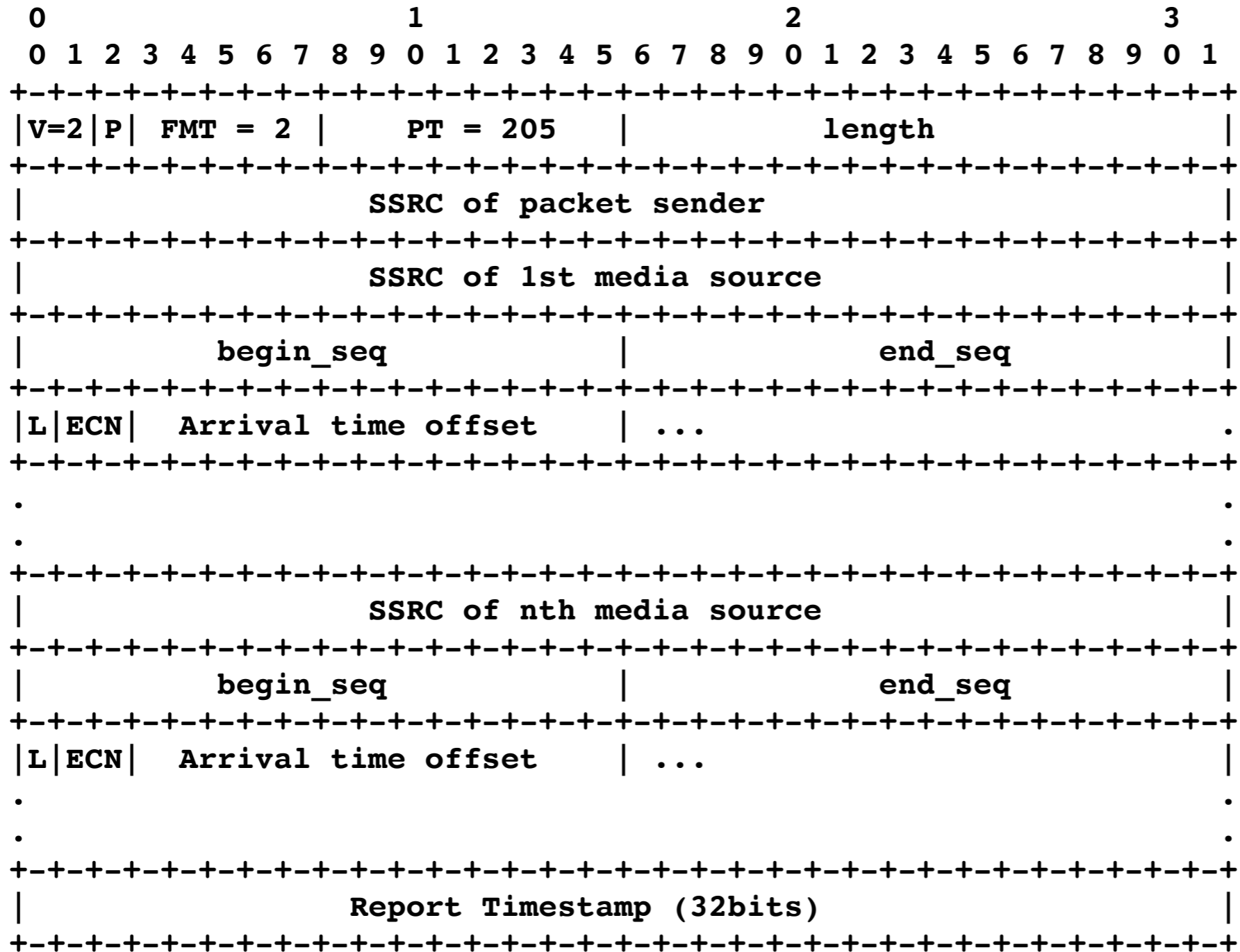
Congestion Control Feedback in RTCP

- RTP congestion control algorithms being developed in RMCAT:
 - Google Congestion Control
 - NADA
 - SCReAM
- Design team building common congestion control feedback format:
 - Packet arrival times
 - Packet loss events
 - ECN-CE marks
- Sent in RTCP XR packet or as RTP/AVPF transport layer feedback message

Proposed RTCP XR packet format



Proposed RTP/AVPF Transport Layer Feedback Packet



Same information as in the XR block, formatted to fit in a transport layer feedback packet

Status

- Draft will be discussed in RMCAT this afternoon (15:20, Studio 3)
 - Is this the correct information for congestion control?
 - What is the reporting overheads and timing?
- For AVTEXT:
 - Are we using RTCP XR and RTP/AVPF transport layer feedback correctly?