Ack Frequency

draft-ietf-quic-ack-frequency
https://github.com/quicwg/ack-frequency

QUIC WG, London, November 2022
Current Frame Formats

ACK_FREQUENCY Frame {
  Type (i) = 0xaf,
  Sequence Number (i),
  Ack-Eliciting Threshold (i),
  Request Max Ack Delay (i),
  Reserved (6),
  Ignore CE (1),
  Ignore Order (1)
}

IMMEDIATE_ACK Frame {
  Type (i) = 0xac
}

Sequence Number: Allows receivers to ignore obsolete frames after reordering.

Ack-Eliciting Threshold: The maximum number of ack-eliciting packets the recipient of this frame can receive before sending an acknowledgment.

Request Max Ack Delay: The value to which the endpoint requests the peer update its max_ack_delay

Reordering Threshold: An 8-bit field representing an unsigned integer that indicates how out of order packets can arrive before eliciting an immediate ACK. 0 indicates the peer should ignore reordering.
Ignore CE Removed (#118)

It was unclear if Ignore CE was useful, and there were many concerns about it being dangerous, so it was removed.

PR #121 Merged
Latency to detect packet loss? (#96)

Proposal (#100) needs to be updated based on feedback, but the broad direction had agreement.