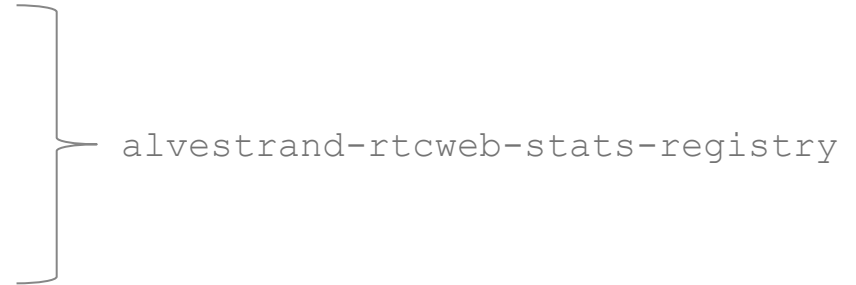# WebRTC Additional Stats

draft-singh-xrblock-webrtc-additional-stats-02
6 March 2014, IETF 89, London

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Additional Stats (1/3)

- *SentPacketCount*
- *ReceivedPacketCount*
- *PacketsLost*
- **PacketsDiscarded**
- **PacketsRepaired**

`alvestrand-rtcweb-stats-registry`

All identifiers are cumulative metrics

Additional Stats (2/3)

- *SentOctetCount*
- *RecevedOctetCount*

  `alvestrand-rtcweb-stats-registry`

- **OctetsDiscarded**

All identifiers are cumulative metrics

Additional Stats (3/3)

- **FullFramesLostCount**
- **PartialFramesLostCount**
- **FramesDiscardedCount**

Defined in `RFC7004`

All identifiers are cumulative metrics

Changes in -02 version (1/2)

Burst Packet Loss

- LossBurstCount

- BurstPacketLost

  - Total number of packets lost in bursts

Changes in -02 version (2/2)

Burst Packet Discarded

- `DiscardedBurstCount`

- `BurstPacketDiscarded`
  - `Total number of packets discarded in bursts`

Burst Metrics

- G_{min} = 16? [RFC3611]

- If a single burst in an interval,
  - BurstCount jumps by 1
  - Difference between the new and old BurstPacket tells us packet in the burst.

- If ongoing burst across two interval,
  - the BurstCount will not change
  - But the BurstPacket will increase

- If multiple bursts in an interval,
  - BurstCount jumps by more than 1
  - Don't know how many total packets were lost in each burst?

Next Steps

- We need more input from deployments.

- Is this document useful?