Synchronized Playback in RAMS

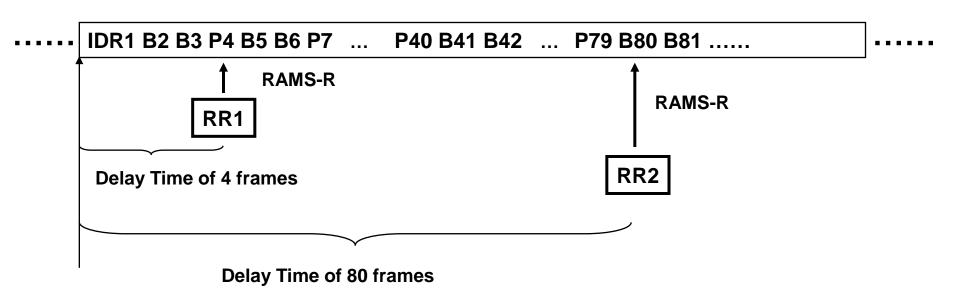
draft-yang-avt-rtp-synced-playback-00

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The issue induced by RAMS: Increasing inter-user playback delay

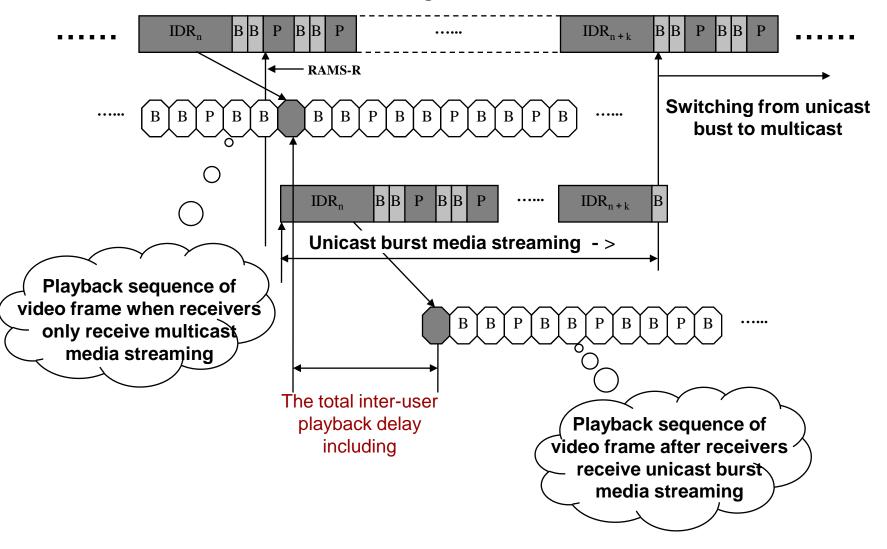
Media streaming ———



Different Receivers will have different delay due to the use of Rapid Acquisition of Multicast RTP Session

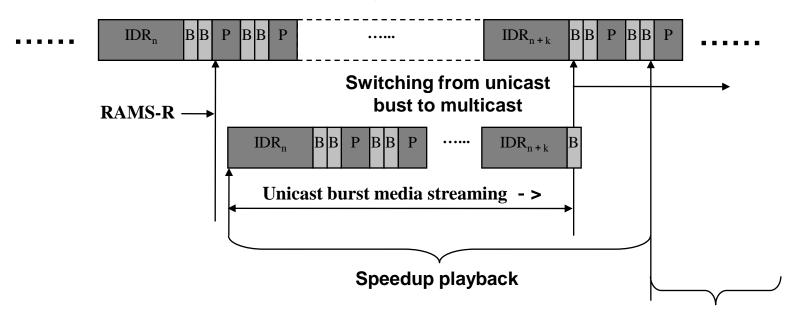
The total inter-user playback delay

Multicast media streaming ->



Reducing the playback delay ----Speedup of media rendering

Multicast media streaming ->



RRs receive two additional information from RAMS-I:

Original speed playback

- N the playback delay reduction target in number of frame durations;
- V recommended interval, in frames, between two continuous events for skipping of one frame.

The method of the speedup playback is that, after each V frames, one frame is skipped as if it was not present, and the presentation time of each remaining frame is shifted earlier by one frame duration, until totally N frames have been skipped.

Advantages of the proposal

- Reduce inter-user playback delay
- Allow the use of long random access period length for improved compression efficiency when RAMS is in use

Thank you

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