



Way Forward for RTP Payload for 3GPP timed Text draft-rey-avt-3gpp-timed-text-01.txt

José Rey

rey@panasonic.de

Outline

- ◆ Current draft. Issues.
 - Generic vs. Specific.
 - Fragmentation Headers.
 - PT Mutliplexing, SPLDESC,...
- ◆ Outlook – Next Steps

Current draft. Issues (1/3)

◆ Generic vs. Specific

- Target: an RTP payload format for 3GPP Rel6 (March'04).
- Problem: it is hard to make generic draft that considers other timed text formats: MPEG, W3C,...
- Proposed Solution: draft specific to 3GPP needs.
- Consequences:
 - » MPEG: eventually need of another payload format.
 - » W3C: VERY complete authoring format, probably more complex payload format the best solution.
 - » Other groups (SMPTE,..) similar procedure.
- Question to the group: Does anyone think the 3GPP timed text format and some other timed text format are similar and mature enough so that this payload format should consider both?

Current draft. Issues (2/3)

- ◆ Advanced fragmentation headers: FHDR, MTSF
 - Enable self-contained fragments of text strings and modifier boxes.
 - Problem: complex.
 - Question: should we keep the feature? Fragmentation may happen too seldom.
 - Proposed Solution:
 - » reduce complexity by limiting self-contained packets to those fragments containing text strings.
 - » trade-off: modifier box fragments are not protected by this payload format, but this can be done using FEC, retransmission,...

Current draft. Issues (3/3)

- ◆ PT multiplexing
 - » Several issues:
 - ◆ If used SDP description would need new functionality ;(
 - ◆ ROHC: PT change is problem, loose efficiency ;(
 - ◆ ...
 - » Conclusion: better use fixed header to indicate fragments.
- ◆ SPLDESC will be a) simpler, fixed fields b) added functionality: SPLDESC-only packets.
- ◆ Other comments on the list noted.

Outlook - Next steps

- ◆ Next revision after this meeting.
- ◆ Intention to meet March'04 deadline (tight).
- ◆ Any comments?