Two bundles of 50 kB each are generated at 1s distance and sent as two consecutive LTP blocks.

## NO PER

In NO PER experiment the channel is ideal and there are no LTP segment losses. In the first session (#3), the LTP segments of the block are sent, the last flagged as CP; one RS signaling that all data have been received is sent back; its reception is confirmed by an RS-ACK, the Tx session is closed. As on the channel is no-delay, the first session concludes before the start of the second session (#4), which evolves exactly as the first one.

The files ltpex\_vm1 and ltpex\_vm2, captured on vm1 and vm2 respectively, are almost the same, as there are no losses.

## PER10 (for experts)

In PER10 the same experiment is repeated, with a 10% loss rate. The first bundle is encapsulated in an LTP block sent as session (3), as before. The final CP (CP=8675, RS=0) is sent (raw 61, on ltpex\_vm1\_PER10) but never received (see rows 71-72 on ltpex\_vm2\_PER10). After about 1s, the second session (#4) starts, this time before the closing of the previous one. From now on the two sessions will interlace.

The last segment of the second session is flagged as CP (CP=5603, RS=0; raw 111 on ltpex\_vm1\_PER10 is received, triggering an RS (RS=16281, CP=5603) which is received (raw 112) and confirmed by a RS-ACK (raw 113); now the first re-TX cycle of the second session starts, with retransmitted segments of session4, the last flagged as CP (RS=16281,CP=5604), raw 120 on vm1. which triggers an RS (RS=16282, CP=5604), confirmed by an RS-ACK (raw 122), which terminated the first re-tx cycle. This is followed by a second cycle (from raw 123 on vm1) whose last segment is flagged as CP (CP=5605, RS=16282) (raw 124 on vm1). This cycle is followed by the re-tx (RTO=4s) of the lost CP of the first session, (row 125), analyzed later. The second session completes with the couple RS (RS=16283, CP=5605) and RS-ACK (RS=16283) (rows 126 and 127 on vm1).

At line 128 of vm1 we have the reception of a retransmitted RS (RS=16281, CP=5603) of the second session, which is actually a copy of the original one, correctly received, confirmed (raw 129) even if the session is already closed (thanks to the enhancement). This re-tx of the RS is due to the loss of the RS-ACK (RS=16281) confirming the original one (raw 113 on vm1, missing on vm2). These are the last segments of the second session, which thus close before the first.

From raw 130, LTP segments of the first session follows. The retransmitted CP of line 125 cause the reception of one RS (RS=6718, CP=8675), and on, until completion of the first session.