Protocol D: Positive ACK with Retransmission (PAR)
(can handle lost or corrupted segments, whether data or ACKs)

Sender

Seqnum <- 0
Get initial AL data from socket
repeat forever

- Construct TL segment with header (including Seqnum)
- Give segment to NL to xmit
- Set timer
- Wait for event (Ack or timeout)
- If valid ACK then cancel timer
  Get next AL data from socket
  Update Seqnum

Receiver

expected <- 0
repeat forever

- Wait for segment from NL
- Process segment, compute checksum
- If valid segment then
  If Seqnum = expected then
    Remove TL header
    Deliver data to AL
    Construct ACK
    Give ACK to NL to xmit
  Else
    Discard segment
    Construct ACK
    Give ACK to NL to xmit
  Else
    Discard segment