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Abstract

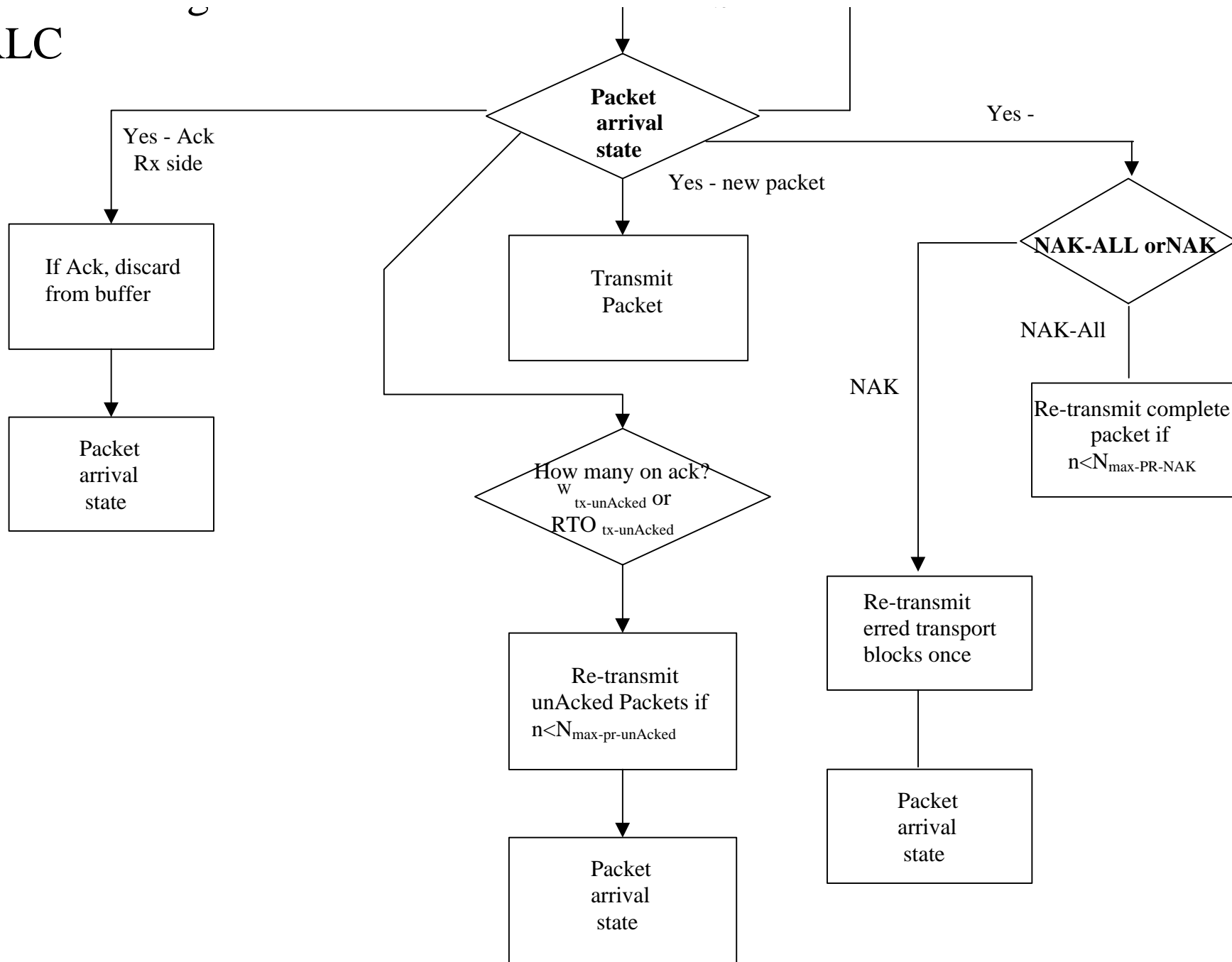
The two flowcharts in this contribution show the operation of the RLC in the transmitting and receiving sides. This contribution is intended for discussion to identify any potential issues regarding RLC over the CPCH. The RLC is a simple one based on re-transmission of the transport blocks.

Overview of RLC for CPCH

- Selective Repeat ARQ procedure is applied to CPCH transmission. The UE transmits a packet containing several frames and transport blocks on the CPCH. UE transmits $W_{tx-unacked}$ packets before halting transmission to wait for ACKs for the transmitted packets. UE should wait to receive an acknowledgement(ACK) from a BSS on the CPCH Control Channel (CPCCH) within $RTO_{tx-unacked}$.
- The receiving side ACKs W_{rx-ack} at a time. If the receiving RLC does not receive W_{rx-ack} transport blocks in T_{rx-ack} , it will ACK whatever, it has received in that time window.

The flowcharts in the next two pages show the operation of RLC in the receive and transmit sides.

RLC



Receiving RLC Side

