

## Host to Endpoint Sequence Diagram

(We combined our AHB slave and Data buffer to be one functional block)



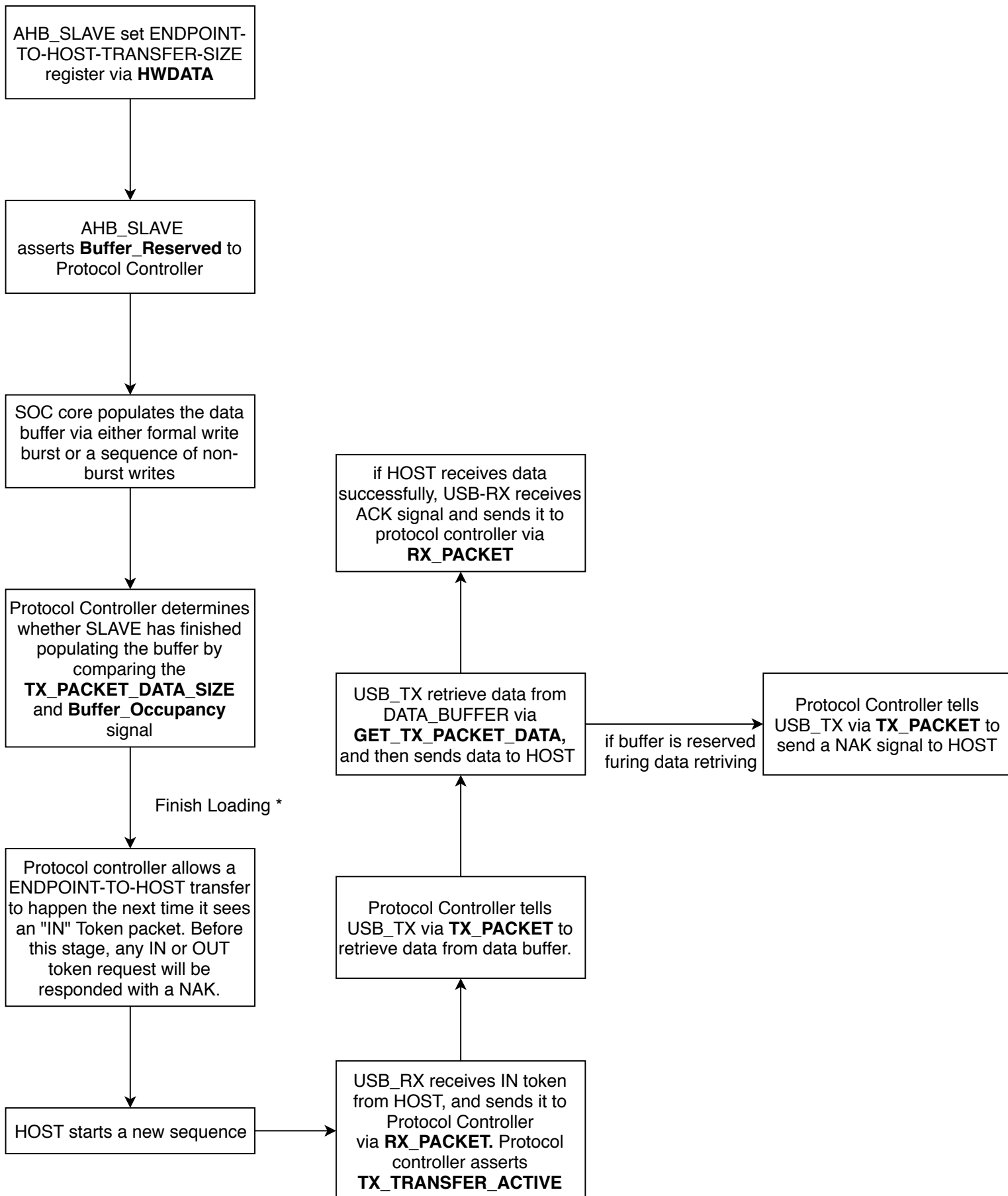
\* Data not properly stored or not valid means during data-receiving process, if

- (1) buffer is reserved
- (2) Buffer Occupancy greater than 64
- (3) CRC checksum does not pass

\* Everytime a NAK signal been sent out, Protocol Controller asserts **RX\_ERROR** to the AHB\_SLAVE

## Endpoint to HOST Sequence Diagram

(We combined our AHB slave and Data buffer to be one functional block)



\* Finish Loading means **TX\_PACKET\_DATA\_SIZE** equal to **BUFFER\_OCCUPANCY**

Everytime a NAK signal been sent out, Protocol Controller asserts **RX\_ERROR** to the AHB\_SLAVE