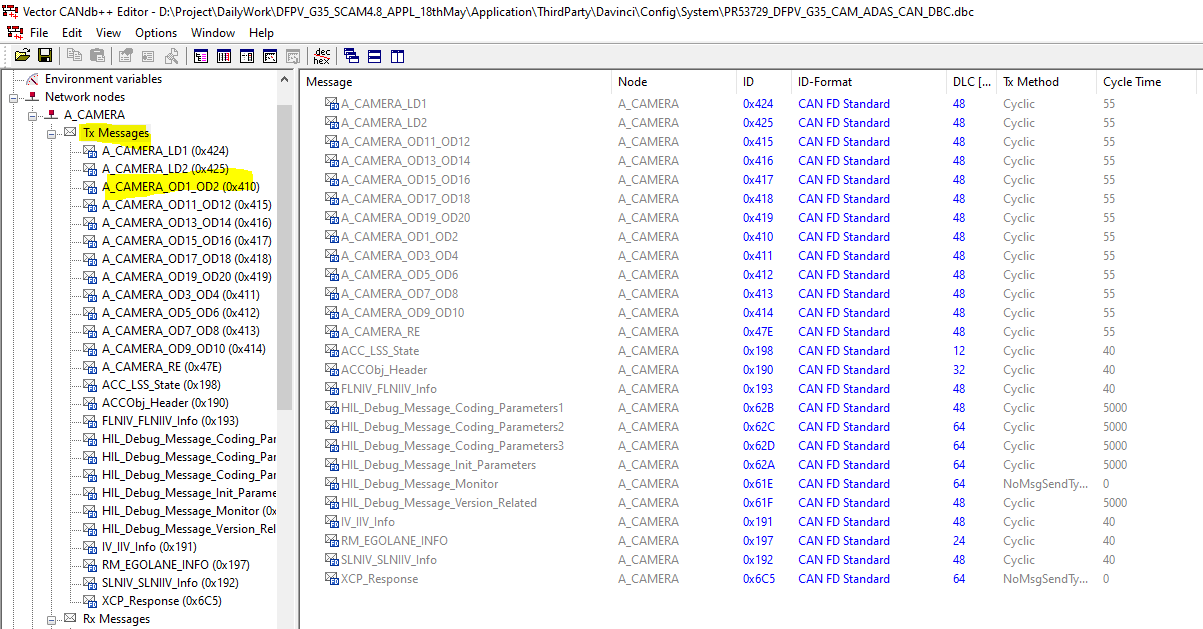
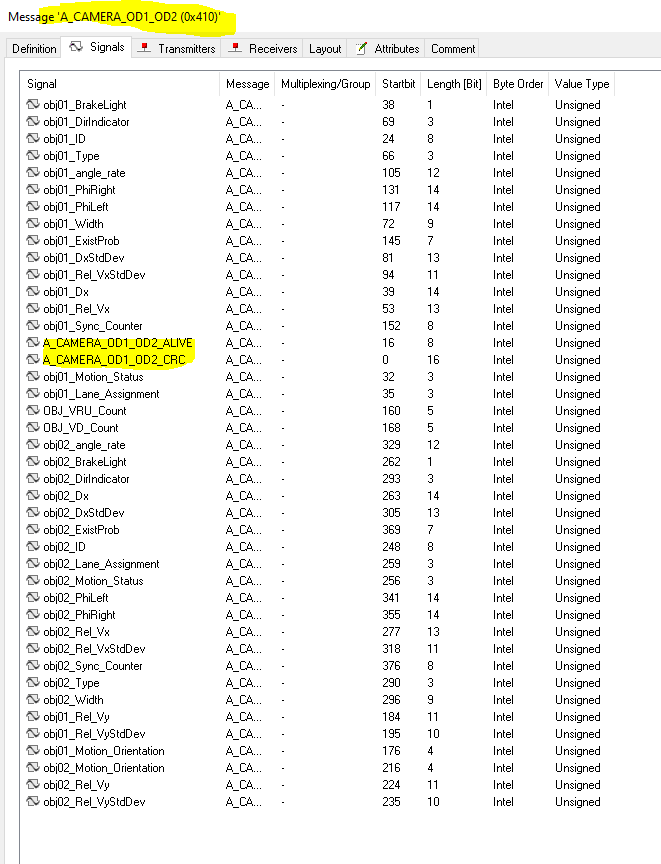
Chap 1

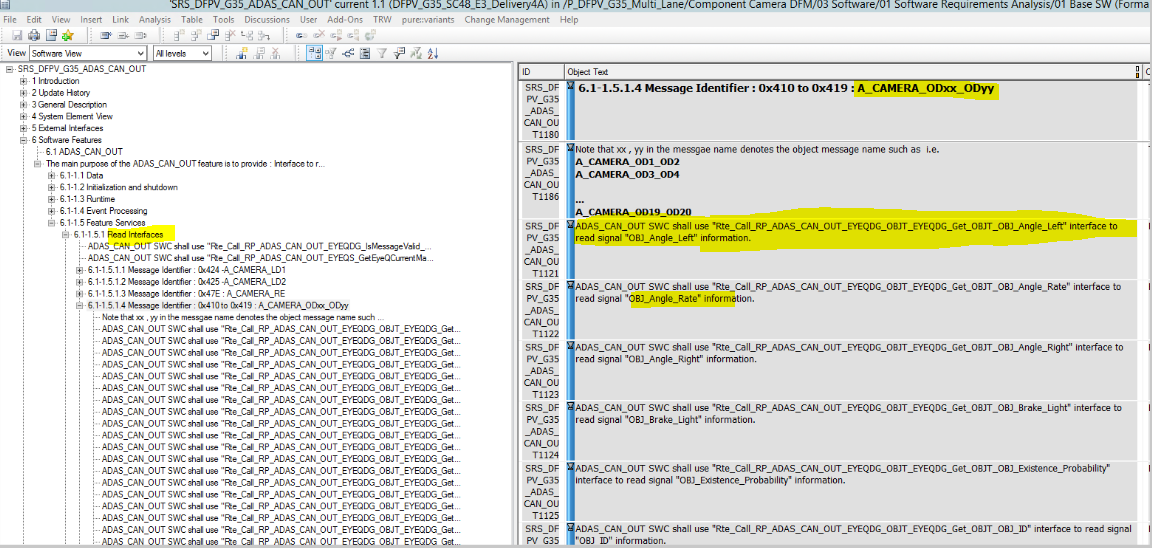
Below are the ADAS CAN message transmit by camera ECU





Check below requirement in DOORS for message A\_CAMERA\_OD1\_OD2 (0x410) for read .

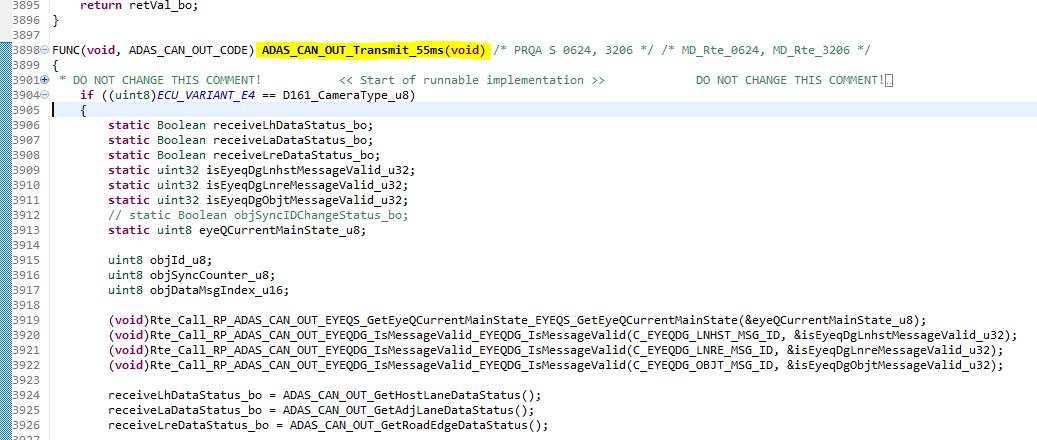
This information is nothing but object information which it will read from EyeQCDD

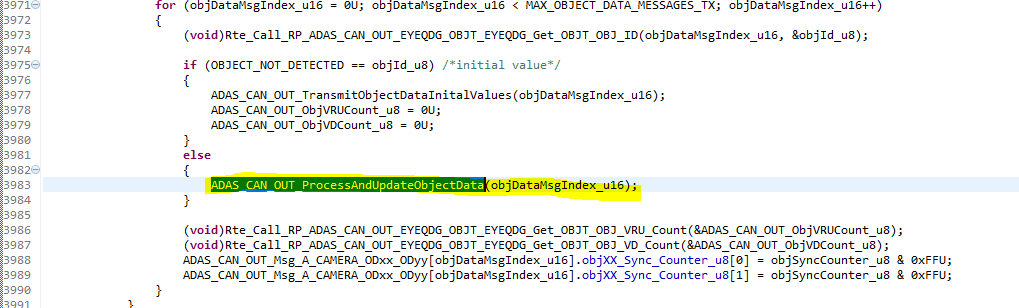


Chap 2

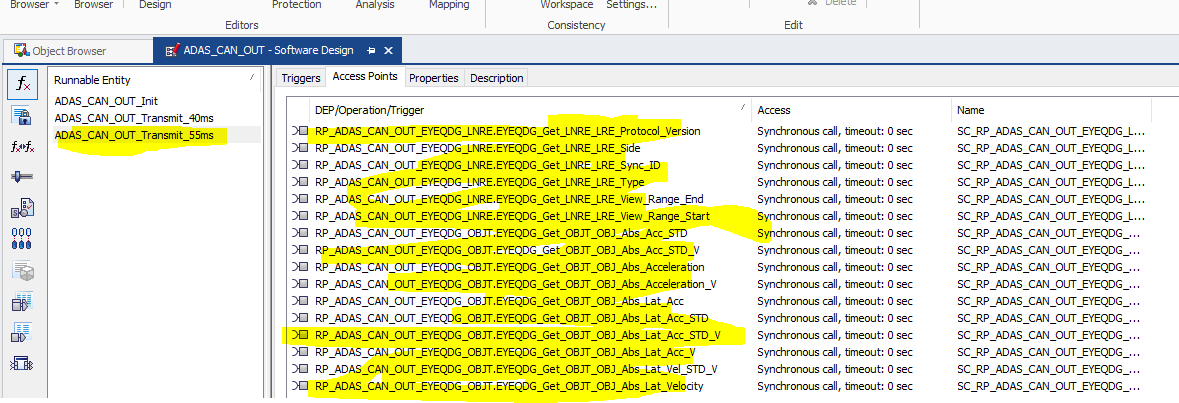
Check below function **ADAS\_CAN\_OUT\_Transmit\_55ms**(**void**)( line 3898) which will trigger every 55mses.

Check function ADAS\_CAN\_OUT\_ProcessAndUpdateObjectData()(line 3983) which called inside 55msec.



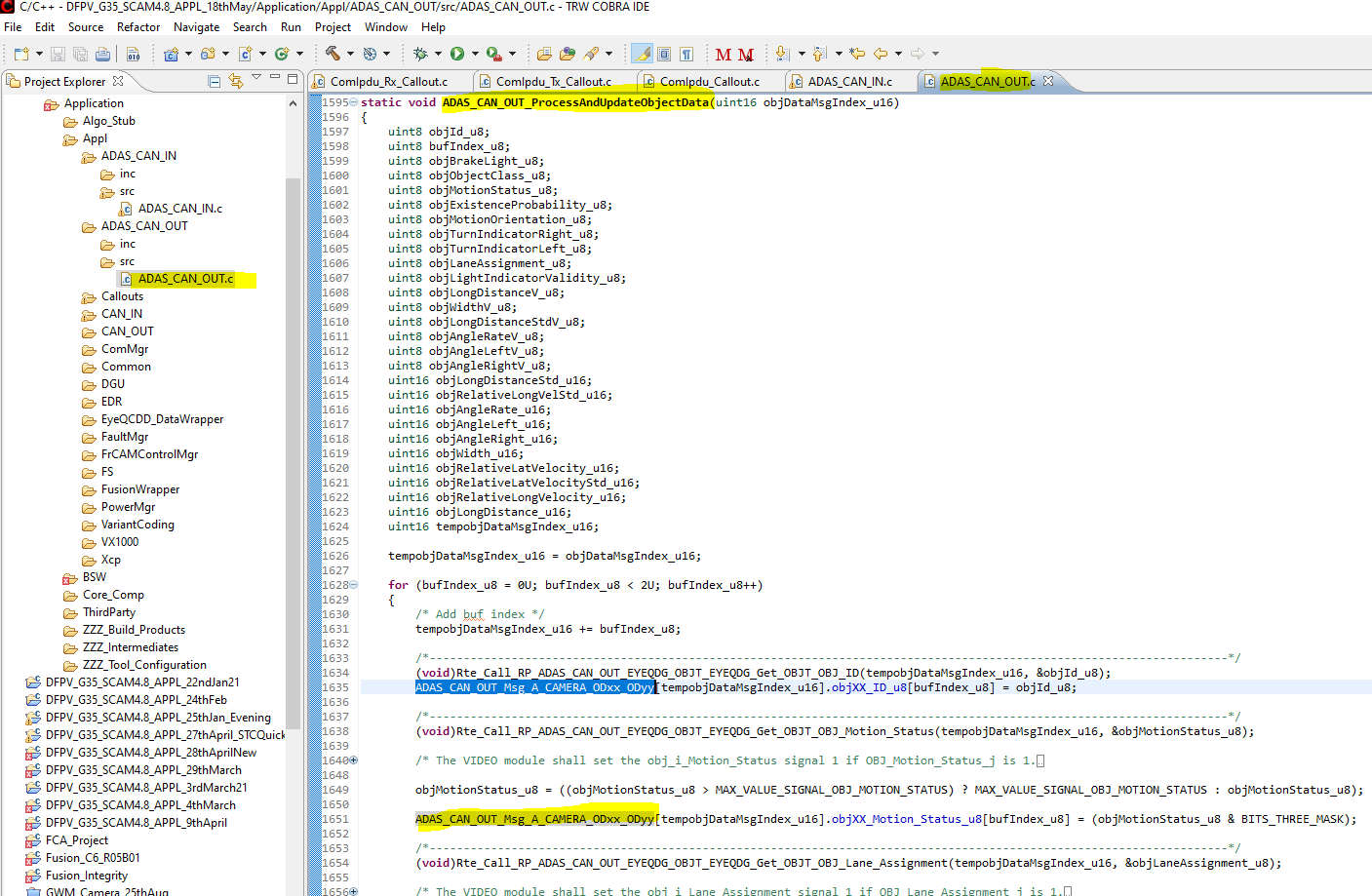


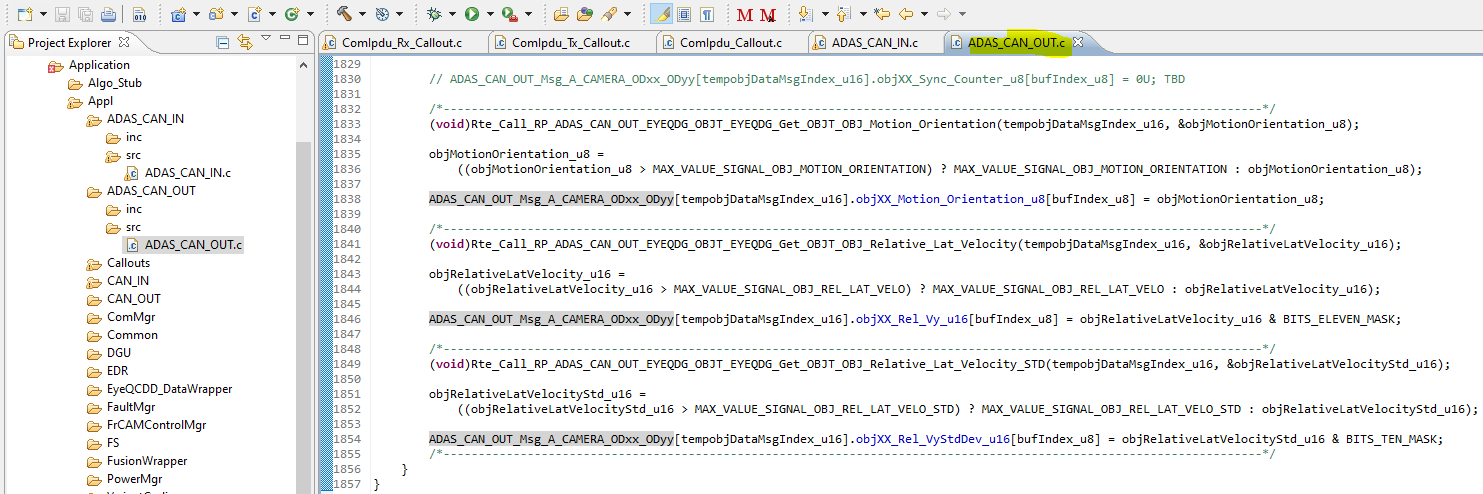
So it is nothing but whatever data requires from EyeQCDD it will read every 55ms



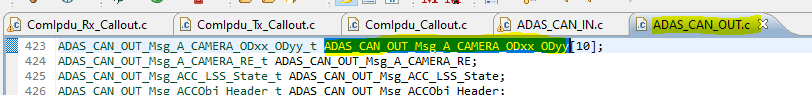
Check function **static** **void** **ADAS\_CAN\_OUT\_ProcessAndUpdateObjectData**(uint16 objDataMsgIndex\_u16)

It will read all requires object data information from eyeQCDD and it will fill into array of structure ADAS\_CAN\_OUT\_Msg\_A\_CAMERA\_ODxx\_ODyy(line 1635 ,line 1651,…)





Check structure

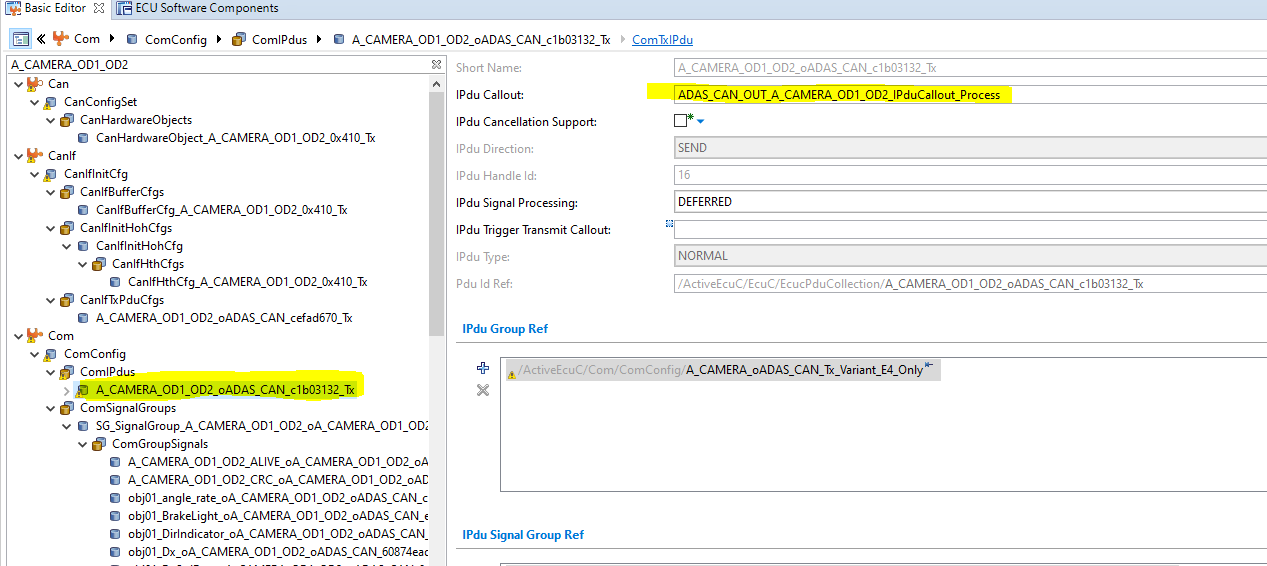


This structure will use to transmit ADAS CAN data using IPdu call out function

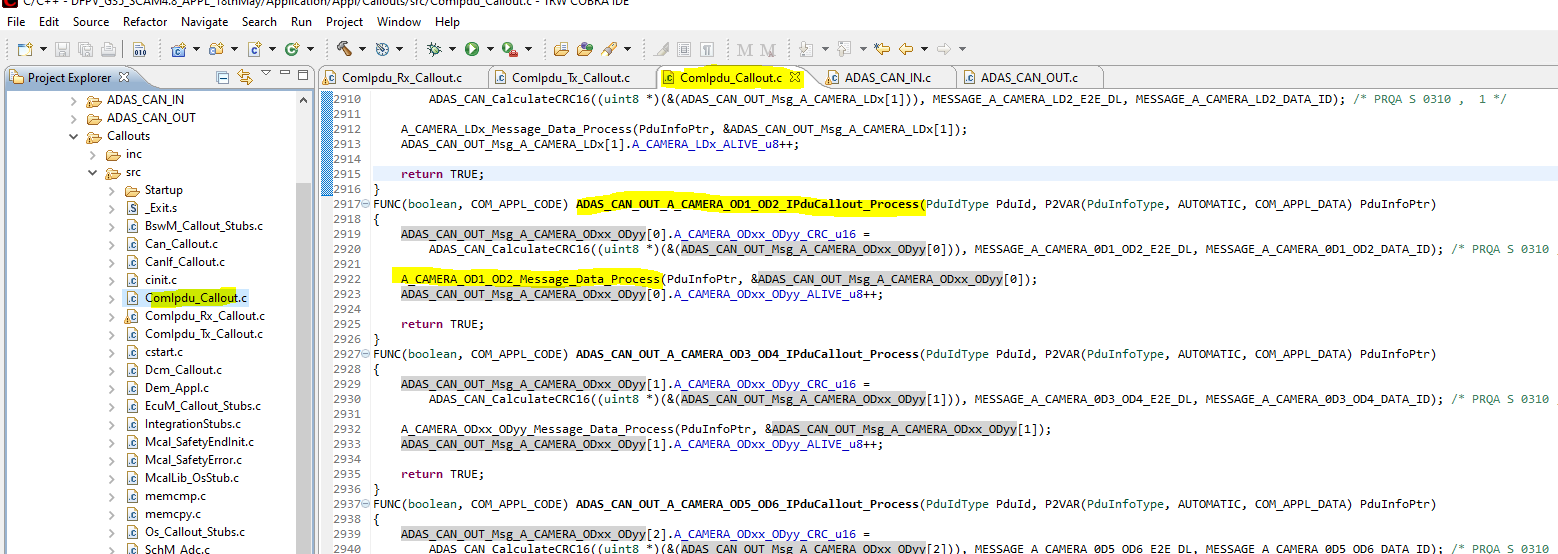
Chap 3

For each message IPdu callout is created in ComIPdus(COM layer).

Check Ipdu callout function for message A\_CAMERA\_OD1\_OD2 (0x410) is (ADAS\_CAN\_OUT\_A\_CAMERA\_OD1\_OD2\_IPduCallout\_Process)



Inside this IPdu callout function whatever we need to transmit inside message, we can implement



Check above code inside callout function initially CRC will be calculated ( line no 2918) using we filled structure ADAS\_CAN\_OUT\_Msg\_A\_CAMERA\_ODxx\_ODyy in ADAS\_CAN\_OUT module ,which we see in chap2

Check above code inside callout function initially Alive counter will calculated ( line no 2923) using we filled structure ADAS\_CAN\_OUT\_Msg\_A\_CAMERA\_ODxx\_ODyy in ADAS\_CAN\_OUT module ,which we see in chap2

So whatever we need to transmitt inside message A\_CAMERA\_OD1\_OD2(0x410) need to fill in buffer and that buffer filling happens in function A\_CAMERA\_OD1\_OD2\_Message\_Data\_Process( ) ( line no-2922) in above image

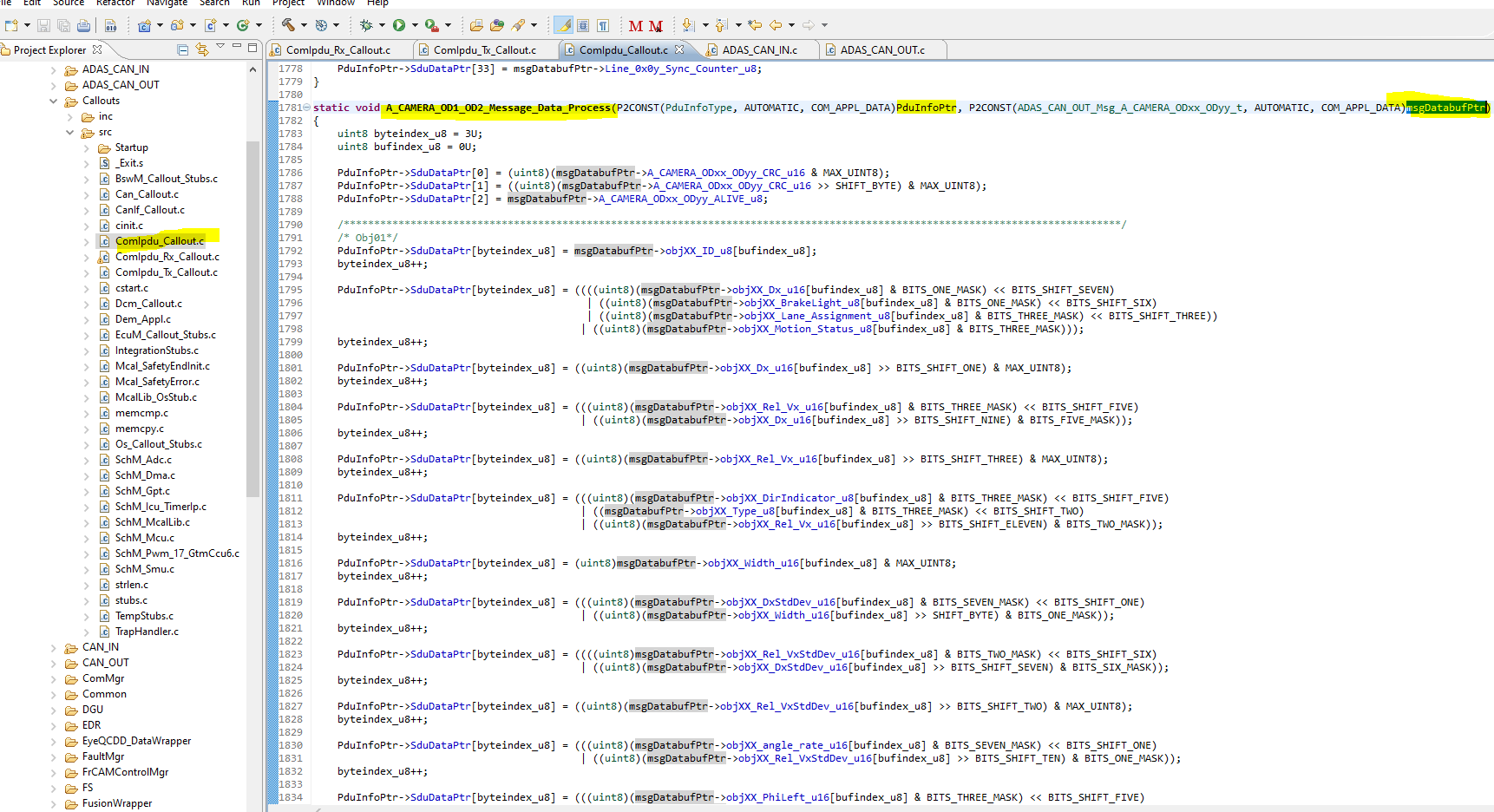
Chap 4

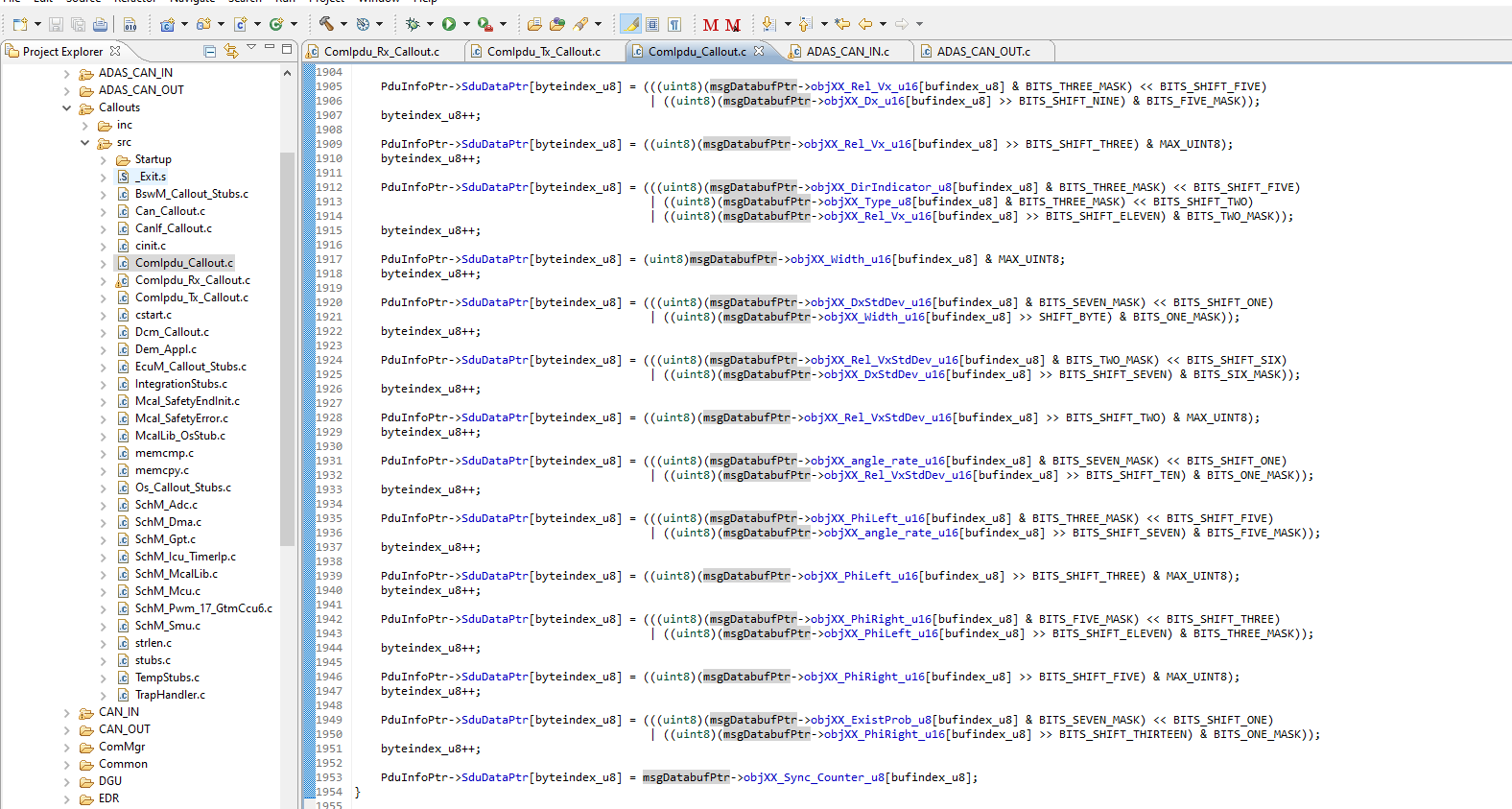
Inside this function all information will fill to respective signal which received from ADAS\_CAN\_OUT module

For this function 1st parameter(PduInfoPtr->) is nothing but buffer location in COM module for that message which we are transmitting periodically.

And second parameter (msgDatabufPtr)is nothing but address of stuct ADAS\_CAN\_OUT\_Msg\_A\_CAMERA\_ODxx\_ODyy

So indirectly we are filling buffer with data received from EyeQ\_CDD



`````

Chap 5

Same procedure for all remaining messages