SystemC Interface - AHB Slave Wrapper

Slave Wrapper FSM

Idle

Write Data

Slave Write

Slave Read

Read Data

getReceiveWriteDataTrfEventFinder()

getSendReadDataTrfEvent()

wait(sReadack_event) /
setReadData(Q.data);
sendReadDataTrf();

^/
Q.data = NULL;
Q.Cmd= sRead;
Q.address = getAddress();
Send_packet(Q);

^/
Q.data = NULL;
Q.Cmd= sWrite;
Q.address = getAddress();
Send_packet(Q);

^/
Q.data = getWriteData();
Q.Cmd= sWrite;
Q.address = getAddress();
Send_packet(Q);

getSendReadDataTrfEventFinder()