Initiator CSL

max_receiveTimer: int;
max_sendTimer: int;
max_connectTimer: int;

R1
receiveTimer := 0;
sendTimer := 0;
connectTimer := 0;

R3
i*csl_tick [connectTimer = max_connectTimer] /*
Timer.ok_icsl

R5
SAI_DISCONNECT.indication /

NOCOMMS
Waiting

NOCOMMS
Disconnected

NOCOMMS
Connecting

RTb
icsl_tick /
Timer.ok_icsl

R11
SAI_DISCONNECT.indication /
RBC.
    RBC_User_disconnect_indication;
receiveTimer := 0;
sendTimer := 0;

R2
- /
SAI.SAI_CONNECT.request;
connectTimer := 0;

RTa
icsl_tick [connectTimer < max_connectTimer] /
Timer.ok_icsl;
connectTimer := connectTimer +1;

R6
icsl_tick [receiveTimer = max_receiveTimer] /
Timer.ok_icsl;
SAI.SAI_DISCONNECT.request;
receiveTimer := 0;
sendTimer := 0;
RBC.RBC_User_Disconnect_indication

R4
SAI_CONNECT_confirm /
RBC.RBC_User_Connect_indication;
connectTimer := max_connectTimer;
receiveTimer := 0;
sendTimer := max_sendTimer

COMMS
Connected

R8
RBC_User_Data.request(userdata) /
SAI.SAI_DATA_request (RBCdata,userdata) ;
sendTimer := 0

R7
*icsl_tick [(receiveTimer < max_receiveTimer)
        and (sendTimer = max_sendTimer)] /*
Timer.ok_icsl;
sendTimer := 0;
receiveTimer := receiveTimer+1
SAI.SAI_DATA.request(Lifesign,nodata)

R9
*SAI_DATA_indication(msgtype,userdata)
        [msgtype != Lifesign] /*
RBC.RBC_User_Data_indication(userdata) ;
receiveTimer := 0;

R10
*SAI_DATA_indication(msgtype,userdata)
        [msgtype = Lifesign] /*
receiveTimer := 0;

RTc
*icsl_tick [(receiveTimer < max_receiveTimer)
        and (sendTimer < max_sendTimer)] /*
Timer.ok_icsl;
sendTimer := sendTimer +1;
receiveTimer := receiveTimer+1