

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

const fsm\_table\_t fsm\_table\_etsi\_net =

isgCcConvertApiQ931ToIptk // Function to convert Q931 API to IPTK api, where Protocol conversion logic is not required

pclConvertApiQ931ToIptk // This function converts Q.931 message to IPTK message

isgCcConvertApiToEvent //convert Q931 event id to CC event id

isgCcConvertApiQ931ToQ931 //convert CC event Id to Q931

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*init in isdnl3\_stack\_init () \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

g.primitive\_mapping = primitive\_mapping; /\* Primitive id to primitive index\*/

event\_id=g\_info.primitive\_mapping[prim\_id] ;\

MAX\_L2\_PRIMITIVES 38

MAX\_L2\_MESSAGES 42

CC\_MORE\_INFO\_REQUEST 45

**l3fsmcmn.c**

**l3fsmetn.c**

l2\_message\_t // convert l2 message to event id

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*receive setup\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

User network

----SETUP-----🡪 receive setup, then enter into N1(call initiated)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

isdnl3\_process\_msg

|

|-🡪 process\_l2\_msg (buf\_t \*pbuffer,isdnl3\_error\_t \*perror)

| |-🡪 isdnl3\_handle\_msg\_l2\_l3

| | |-🡪 prim\_id=pbuffer[pdu\_offset+2+pbuffer[pdu\_offset+1]] ;

| | |--🡪event\_id=g\_info.primitive\_mapping[prim\_id] ; // event id = 3 (MSG\_SETUP)

| |-🡪 p\_fsm\_table = g\_info.p\_controller\_info\_table[controller\_no].p\_fsm\_table;

| |🡪 (\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror)

isdnl3\_cmn00\_setup

|-🡪 send\_msg\_l3\_cc(pbuffer, p\_cstr\_buf,

llci\_val,

L3\_SETUP\_IND,

perror) == FAILURE

|-🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN1

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*no over lap\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

If *en bloc* sending is used,and if the network can determine that access to the requested service is authorized and available, the network shall send a CALL PROCEEDING message to the user. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

如果非 over lap 的， 异常发送release to Q931

无error 则发送isamv send proceed to user,

iwu\_fn\_ccIdle

|🡪 case Iwu\_en\_digitComplete:

| |--🡪 iwu\_fn\_processMatchMethod

| | |-🡪 iwu\_fn\_processCompleteDigits

| | | |-🡪 Iwu\_fn\_replyMsgToL3(L3\_SETUP\_IND\_TO\_CC\_PROCEEDING\_REQ)

||||||-🡪 pQ931MsgSt->primitive\_id =CC\_PROCEEDING\_REQUEST //event id = 47

isdnl3\_process\_msg

|🡪 process\_protocol\_primitive

| |-🡪 isdnl3\_handle\_msg\_cc\_l3

| | |-🡪(\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror)

isdnl3\_cmn02\_proc\_req

|--🡪 stop\_timer\_call (T302,llci\_val,perror)==FAILURE

|-🡪 send\_msg\_l3\_l2 (pbuffer, llci\_val, perror

|-🡪 send\_msg\_l3\_l2 (pbuffer, llci\_val, perror)

|-🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN3

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*end no over lap\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*\*\*\*\*\*\*IWU send L3\_SETUP\_IND\_TO\_CC\_MORE\_INFO\_REQ to Q931\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

iwuCommonEntryPoint

|-🡪 isgProcessMsg(dataBufP)

| |--🡪 isgProcessMsgQ931

| | |--🡪 isgCcProcessMsg

| | | |--🡪 isgCcL3BufferToL3CS((IsgU8bit\*)ccMsgP\_i->isgData,l3MsgP,errorCode\_o)

| | | | |-🡪 isdnl3\_primitive\_convert\_bstocs

isgCcConvertApiToEvent(ccMsgP\_i->isgHeader.orig\_mod\_id,api\_id,&ccCallEvent,eventStr)

|--🡪 case L3\_SETUP\_IND

| |-🡪 \*ccCallEvent\_o=CcCallEvent\_L3\_SETUP\_INDICATION;

isgCcFsm[CcState\_IDLE][ CcCallEvent\_L3\_SETUP\_INDICATION]

isgCcProcessL3SetupIndication\_CcState\_IDLE

|-🡪isgCcInitiateCallSetUp

| |--🡪 isgCcConvertApiQ931ToQ931

| | |--🡪 case L3\_SETUP\_IND\_TO\_CC\_MORE\_INFO\_REQ :

| | | |--🡪 q931MsgStP->primitive\_id =CC\_MORE\_INFO\_REQUEST //45

| | | |--🡪 isgCcSendL3Msg((l3\_msg\_st\*)l3RespMsgP,ccCallContext\_i,errorCode\_o)

| | | | |-🡪 isdnl3\_primitive\_convert\_cstobs

| |-🡪 ccCallContext\_i->currentCallState=CcCallState\_OVERLAP\_SENDING;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

If receive setup and cc check q931 failed, then

isgCcIwuInternalFailureCallRelease

|--🡪 isgCcConvertApiQ931ToQ931(L3\_SETUP\_IND\_TO\_CC\_REJECT\_REQUEST

|--🡪 isgCcSendL3Msg(q931MsgP,ccCallContext\_i,errorCode\_o)

|-🡪 ccCallContext\_i->currentCallState=CcCallState\_IDLE;

isgCcGlobalData.currentCallContext=ISG\_NULL;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

isdnl3\_process\_msg

|--🡪 process\_protocol\_primitive

| |--🡪 isdnl3\_handle\_msg\_cc\_l3

| |-🡪 state = g\_info.p\_call\_info\_table[\*llci\_val].current\_state; /llci\_val = 99, state = 1 event = 45

| |-🡪 (\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,\*llci\_val, event\_id, p\_cstr\_buf, perror)

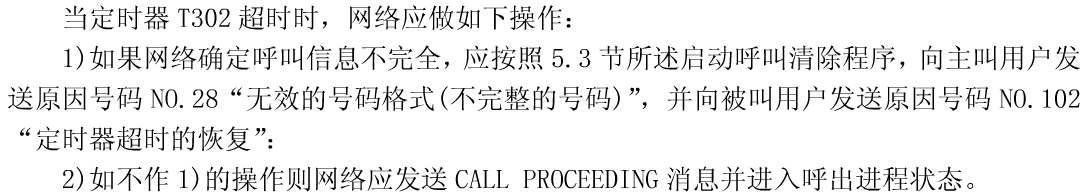
isdnl3\_cmn01\_more\_info\_req

|-🡪 start\_timer\_call (llci\_val, T302, perror) // SETUP ACK sent Receipt of INFO, restarts T302

|--🡪 send\_msg\_l3\_l2 (pbuffer, llci\_val, perror)

|--🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN2

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*T302 timer expire\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*



T302 timer expire:

isdnl3\_etsin02\_t302\_to

|--🡪 clear\_timer\_call (llci\_val,T302)==FAILURE) // Clear if call information determined to be definitely incomplete;

|-🡪 send\_tmout\_to\_cc (p\_cstr\_buf,L3\_T302\_TO\_IND,llci\_va

-----enter into iwu---------------------------

Q921 Q931 CC

------- L3\_T302\_TO\_IND------🡪

<----- CC\_RELEASE\_REQUEST—

🡨-- Release Complete Message---- ----------- L3\_REL\_IND----------🡪

<----- L3\_RELEASE\_IND\_TO\_CC\_RESTART\_REQ-----

isgCcConvertApiToEvent

|--🡪 case L3\_T302\_TO\_IND:

|-🡪 \*ccCallEvent\_o=CcCallEvent\_L3\_302\_TIMEOUT\_IND;

isgCcFsm[CcState\_OVERLAP\_SENDING][ CcCallEvent\_L3\_302\_TIMEOUT\_IND]

isgCcProcessL3GenericCallRelease\_CcState\_Anystate(vobs/dsl/iwu/SipIWU/cc/src/iwu\_cc\_fsm\_main.c)

|-🡪 case L3\_T302\_TO\_IND:

| |--🡪 if(!sendDisconnect) //false means not Emergency call

| |-🡪 isgCcConvertApiQ931ToQ931( L3\_SETUP\_IND\_TO\_CC\_RELEASE\_REQUEST

| |-🡪 isgCcSendL3Msg(l3MsgP,ccCallContext,errorCode\_o);

| | |--🡪 q931MsgStP->primitive\_id =CC\_RELEASE\_REQUEST ;

| |-🡪 isgCcSendL3Msg

|-🡪 ccCallContext->currentCallState=CcCallState\_RELEASE\_REQUEST;

##############Q931

isdnl3\_process\_msg UN2

|--🡪 process\_protocol\_primitive

isdnl3\_cmnxx\_mcause\_release

|--🡪 stop\_all\_timer\_call(llci\_val,perror)

|-🡪 send\_msg\_l3\_cc (pbuffer, p\_cstr\_buf, llci\_val,, L3\_REL\_IND…

|--🡪 send\_relcom\_to\_l2 (llci\_val, cause\_val, perror)

#############enter IWU

isgCcConvertApiToEvent

|-🡪 case L3\_REL\_IND:

| |-🡪 =CcCallEvent\_L3\_RELEASE\_INDICATION

isgCcFsm[CcCallState\_RELEASE\_REQUEST][ CcCallEvent\_L3\_RELEASE\_INDICATION]

isgCcProcessL3ReleaseIndicationOrConfirmation\_CcState\_CallRelease\_Initiated

|-🡪 isgCcConvertApiQ931ToQ931(L3\_RELEASE\_IND\_TO\_CC\_RESTART\_REQ //CC\_RELEASE\_REQUEST

|-🡪 isgCcSendL3Msg

|-🡪 ccCallContext->currentCallState=CcCallState\_IDLE

|-🡪 ccCallContext->currentMediaState=IwuMediaState\_MEDIA\_UNINITIATED;

|-🡪 isgIrmDeallocResReq(ccCallContext->bearerChannelId,errorCode\_o);

##################enter q931

process\_protocol\_primitive

|-🡪 isdnl3\_handle\_msg\_cc\_l3

| |-🡪 \*(\*p\_fsm\_table)[state][event\_id])(pbuffer,\*llci\_val, event\_id, p\_cstr\_buf, perror) //sate-= UN2

isdnl3\_etsinxx\_unexprec ???

|

NOTE：

isgCcProcessL3ReleaseIndicationOrConfirmation\_CcState\_CallRelease\_Initiated与isgCcProcessL3RestartConfirm\_CcState\_CallRelease\_Initiated的区别

isgCcProcessL3ReleaseIndicationOrConfirmation\_CcState\_CallRelease\_Initiated由于timeout或者error造成的network 发送release request, CC收到的仅仅是release indication，而不是release complete

isgCcProcessL3RestartConfirm\_CcState\_CallRelease\_Initiated是network 发送的release request，收到complete的处理。

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*end T302 timer expire\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*receive INFO\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

isdnl3\_process\_msg

|

|-🡪 process\_l2\_msg (buf\_t \*pbuffer,isdnl3\_error\_t \*perror)

| |--🡪 isdnl3\_handle\_msg\_l2\_l3

| | |-🡪 | |-🡪 p\_fsm\_table = g\_info.p\_controller\_info\_table[controller\_no].p\_fsm\_table;

| |🡪 (\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror)

/\*\*\*\*state = UN2 event\_id= 31(MSG\_INFORMATION)\*\*\*\*\*\*/

isdnl3\_etsin02\_info

|-🡪 if (stop\_timer\_call (T302,llci\_val,perror)==FAILURE)

|-🡪 if (send\_msg\_l3\_cc (pbuffer, p\_cstr\_buf,

|🡪 send\_msg\_l3\_cc(…. L3\_INFO\_IND)

###########enter into iwu

isgCcConvertApiToEvent

|-🡪 case L3\_INFO\_IND:

| |-🡪 \*ccCallEvent\_o=CcCallEvent\_L3\_INFO\_INDICATION;

isgCcFsm[CcCallState\_OVERLAP\_SENDING][ CcCallEvent\_L3\_INFO\_INDICATION]

isgCcProcessL3InfoIndication\_CcState\_OVERLAP\_SENDING

|->PLM: isgCcCalledNumber:: enterKey: # (len: 1) digits: 6 digits\_len: 1digitsReceived: 886 countOfDigitsNotSentYet: 1 countOfDigitsReceivedUntilNow: 3

|-🡪 PLM: isgCcCalledNumber:: enterKey: # (len: 1) digits: 1 digits\_len: 1digitsReceived: 8861

|🡪 PLM: isgCcCalledNumber:: enterKey: # (len: 1) digits: 4 digits\_len: 1digitsReceived: 886154

|->PLM: isgCcCalledNumber:: enterKey: # (len: 1) digits: 1 digits\_len: 1digitsReceived: 88615401

|-🡪 isgCcProcessDmlNormalCall

|🡪 retVal=isgFillConvParam(CC\_CONV\_FIRST\_183\_TO\_PROCEEDING ？？？

|-🡪 pclConvertApiQ931ToIptk //setup to invite

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*end receive digit number\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Enter into deal with CM FSM

isgCcProcessIcfOpenMediaChannelReq\_CcState\_MediaSetup\_in\_progress

isgCcProcessIcfCreateMediaSessionReq\_CcState\_MediaSetup\_in\_progress

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*\*\*\*\*\*\*\*\*\*\*ISAMV receive 180 ring, convet it to alert\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

isgCcFsm[CcCallState\_OVERLAP\_SENDING][ CcCallEvent\_ICF\_REMOTE\_USER\_ALERTED]

isgCcProcessIcfRemoteuserAlertedInd\_CcState\_AnyState

|-🡪retVal=pclConvertApiIptkToQ931(ICF\_REMOTE\_USER\_ALERTED\_TO\_CC\_ALERTING\_REQ\

| |-🡪 q931MsgStP->primitive\_id = CC\_ALERTING\_REQUEST;

| |-🡪 retVal = pclConvIPTKRmUserAlertedToAlerting(convParam\_i, (IsgIcfRemoteUserAlertedIndSt\*)(icfMsgStP\_i->payload), q931MsgListPP\_o, errorP\_o);

|-🡪 isgCcSendL3Msg((l3\_msg\_st\*)isdnMsgList->q931BufP,

|🡪 ccCallContext->currentCallState=CcCallState\_CALL\_DELIVERED;

#########enter into Q931

process\_protocol\_primitive

|-🡪 isdnl3\_handle\_msg\_cc\_l3

|-🡪 ((\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,\*llci\_val, event\_id, p\_cstr\_buf, perror)

// state = UN2 event\_id= 42(ALERTING\_REQUEST)

isdnl3\_cmn02\_alert\_req

|-🡪 stop\_timer\_call (T302,llci\_val,perror)

|-🡪 send\_msg\_l3\_l2 (pbuffer, llci\_val, perror)==FAILURE // Send Alerting to L2

|-🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN4

/\*\*\*\*\*\*\*\*\*\*\*ISAM-V receive 200ok, convert to CONNECT and send out\*\*\*\*\*\*\*\*\*\*\*/

isgCcFsm[CcCallState\_CALL\_DELIVERED][ CcCallEvent\_ICF\_CONNECT\_IND]

isgCcProcessIcfConnectInd\_CcState\_AnyState

|-🡪retVal=pclConvertApiIptkToQ931 (ICF\_CONNECT\_IND\_TO\_CC\_SETUP\_RESP

| |-🡪q931MsgStP->primitive\_id = CC\_SETUP\_RESPONSE;

|--🡪 ccCallContext->currentCallState=CcCallState\_ACTIVE

#########enter into Q931

process\_protocol\_primitive

|-🡪 isdnl3\_handle\_msg\_cc\_l3

|-🡪 ((\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,\*llci\_val, event\_id, p\_cstr\_buf, perror)

// state = UN4 event\_id= 61(SETUP\_RESPONSE) //connect

isdnl3\_cmn04\_setup\_resp

|-🡪 send\_msg\_l3\_l2 (pbuffer, llci\_val, perror)==FAILURE // Send connect to L2

|-🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN10

/\*\*\*\*\*\*\*\*\*\*\*ISAM-V receive CONNECT ACK\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

process\_l2\_msg

|-🡪 isdnl3\_handle\_msg\_l2\_l3

| |-🡪 (\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror) == FAILURE

// state = UN10 event\_id= 20(MSG\_DISCONNECT) //disconnect

isdnl3\_etsin10\_disconnect

|🡪 stop\_timer\_call (T322,llci\_val,perror)==FAILURE // stop t322

|🡪 send\_msg\_l3\_cc (pbuffer, p\_cstr\_buf, L3\_DISC\_IND

|🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN11

######enter into IWU

IsgCcConvertApiToEvent

|-🡪 \*ccCallEvent\_o=CcCallEvent\_L3\_DISCONNECT\_INDICATION;

isgCcFsm[CcCallState\_ACTIVE][ CcCallEvent\_L3\_DISCONNECT\_INDICATION]

isgCcProcessL3GenericCallRelease\_CcState\_Anystate

|-🡪 case L3\_DISC\_IND:

|-🡪 pclConvertApiQ931ToIptk(L3\_DISCONNECTION\_IND\_TO\_ICF\_TERMINATE\_CALL\_REQ)

| |-🡪 pclISDNDisconnectToTerminateReq

|-🡪 ccCallContext->currentCallState=CcCallState\_REMOTE\_TERMINATING;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*ISAMV delete media\*\*\*\*\*

isgCcFsm[CcCallState\_REMOTE\_TERMINATING][ CcCallEvent\_ICF\_DELETE\_MEDIA\_SESSION\_REQ]

|-🡪 isgCcProcessDeleteMediaSessionReq\_CcState\_AnyState

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*send rel\*\*\*\*\*

isgCcFsm[CcCallState\_REMOTE\_TERMINATING][ CcCallEvent\_ICF\_REL\_RES\_REQ]

isgCcProcessIcfRelResourceReq\_CcState\_AnyState

|-🡪 ccCallContext->currentCallState=CcCallState\_IDLE;

|-🡪 cCallContext->currentMediaState =IwuMediaState\_MEDIA\_UNINITIATED;

isgCcFsm[CcCallState\_REMOTE\_TERMINATING][ CcCallEvent\_ICF\_TERMINATE\_CALL\_RESP]

isgCcProcessIcfTerminateCallIResp\_CcState\_REMOTE\_TERMINATING

|

|--🡪ccCallContext->subStateFlag&IwuCcsubStateFlag\_ReleaseToBeSent

|-🡪sgCcConvertApiQ931ToQ931(ICF\_TERMINATE\_CALL\_RESP\_TO\_CC\_RELEASE\_REQUEST)

| |-🡪931MsgStP->primitive\_id =CC\_RELEASE\_REQUEST

| |-🡪isgCcSendL3Msg

process\_protocol\_primitive

|-🡪 isdnl3\_handle\_msg\_cc\_l3

|-🡪 ((\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,\*llci\_val, event\_id, p\_cstr\_buf, perror)

// state = UN10 event\_id= 51(REALSE REQUEST) //connect

isdnl3\_cmnxx\_rel\_req

|-🡪 stop\_all\_timer\_call // stop all the timer

|-🡪 send\_msg\_l3\_l2

|-🡪 start\_timer\_call (llci\_val, T308, perror)

|-🡪 g\_info.p\_call\_info\_table[llci\_val].current\_state = UN19

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*T308 timer expire\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

isdnl3\_etsin19W\_t308\_to

|--🡪 isdnl3\_cmn19\_t308\_to (pbuffer,llci\_val, event\_id, p\_cstr\_buf,perror)

|-🡪 send\_msg\_l3\_l2 (g\_info.p\_call\_info\_table[llci\_val].p\_saved\_buffer , llci\_val, perror)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* end T308 timer expire\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ISAMV receive REL COMPELTE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

process\_l2\_msg

|--🡪|-🡪 isdnl3\_handle\_msg\_l2\_l3

| |-🡪 (\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror) == FAILURE

// state = UN19 event\_id= 24(MSG\_RELEASE\_COMP) //release complete

isdnl3\_etsin19W\_rel\_relcom

|-🡪 isdnl3\_etsin19\_rel\_relcom

| |-🡪 stop\_timer\_call (T308,llci\_val,perror)

| |-🡪send\_msg\_l3\_cc (pbuffer, p\_cstr\_buf, L3\_REL\_CONFIRM\_IND)

| |🡪 free\_call\_info

| | |--🡪 g\_info.p\_call\_info\_table[index].current\_state = UN0;

| | |--🡪 g\_info.p\_call\_info\_table[index].saved\_state = IDLE ;

##########enter iwu

isgCcConvertApiToEvent

|-🡪 CcCallEvent\_L3\_RELEASE\_CONFIRMATION

///\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ISAMV receive DISC frame(L2 message)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

L2IACS::l2IACSProcess (L2DISC \* msg)

|-🡪 result = delConn;

| |--🡪 oneL2Less();

| | |-🡪 xmsg\_id(msg\_buf) = Q921\_to\_SM\_MSG

| | |-🡪 xmsg\_msgtype(msg\_buf) = IACS\_NOLINK\_MSG;

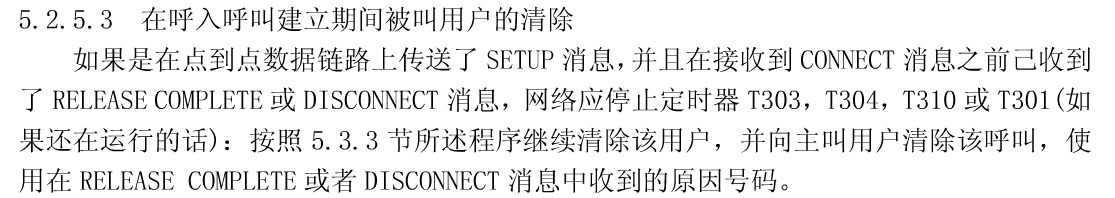
| | |--🡪 retCode = xq\_send(queue3\_m, msg\_buf);

void MessageHandler::treatIACSMsg(unsigned long \* msgP\_i)

|-🡪 case IACS\_NOLINK\_MSG:

|-🡪 usrP\_m[ulUp]->l1Event(IacsL1Event, IacsL2RelInd);

|-🡪 usrP\_m[ulUp]->sendMsgToServ( SM\_L2LINKREL\_IND ); //send to IWU



T303: isdnl3\_cmn00\_setup\_req



T313:



Incoming call:

isgCcProcessIcfGetCodecListReq\_CcState\_MediaSetup\_in\_progress

|-🡪

isgCcProcessIcfCodecCommitReq\_CcState\_MediaSetup\_in\_progress

isgCcProcessIcfOpenMediaChannelReq\_CcState\_MediaSetup\_in\_progress

isgCcProcessIcfIncomingCall\_In\_CcState\_PREPROCESSING

|-🡪 pclConvertApiIptkToQ931

isdnl3\_process\_msg

|🡪 process\_protocol\_primitive

| |-🡪 isdnl3\_handle\_msg\_cc\_l3

| | |-🡪(\*(\*p\_fsm\_table)[state][event\_id])(pbuffer,llci\_val, event\_id, p\_cstr\_buf, perror)

State = UN0, event = 59(SETUP\_REQUEST)

isdnl3\_etsin00W\_setup\_req

|-🡪isdnl3\_cmb00\_setup\_req

| |-🡪 start\_timer\_call (llci\_val, T303, perror)

| |-🡪 start\_timer\_call (llci\_val, T312, perror)