

Agenda Item: 16.5 others
Source: Fujitsu
Title: Timer for NBAP (Draft)
Document for: Discussion

[1] 25.433 UTRAN Iur Interface RNSAP Signalling v1.1.2

1. Abstract

In the last RAN WG3 IU-SWG meeting in Helsinki, timer handling has been discussed, and it was agreed to discuss further based on contribution. Similar to IU-SWG, We think it's better to discuss about timers for NBAP procedure.

This contribution gives some timers for discussion.

2. Principle for specifying timer

Timers for NBAP should be specified in order to satisfy multi-vendor concept.

3. Timer list

Table 1 shows timer list for elementary procedure in NBAP.

Table1 Timer list in NBAP procedure

Timer	Cause for initiation	Normal Termination	At Expiry	At recycle out	Counter	Node which start timers
Tdlset	When DL Common Transport Channel Setup Request is sent	At receipt of: -DL Common Transport Channel Setup Response or -DL Common Transport Channel Setup Failure	Repeat DL Common Transport Channel Setup Request, Cdlset+1	Terminate Downlink Common Transport Channel Setup procedure	Cdlset	CRNC
Tdlrcnf	When DL Common Transport Channel Reconfiguration Request is sent	At receipt of: -DL Common Transport Channel Reconfiguration Response or -DL Common Transport Channel Reconfiguration Failure	Repeat DL Common Transport Channel Reconfiguration Request, Cdlrcnf+1	Terminate Downlink Common Transport Channel Reconfigure procedure	Cdlrcnf	CRNC
Tddel	When DL Common Transport Channel Deletion Request is sent	At receipt of: -DL Common Transport Channel Deletion Response	Repeat DL Common Transport Channel Deletion Request, Cddel+1	Terminate Downlink Common Transport Channel Delete procedure, release the resources	Cddel	CRNC
Tulset	When UL Common Transport Channel Setup Request is sent	At receipt of: -UL Common Transport Channel Setup Response or -UL Common Transport Channel Setup Failure	Repeat UL Common Transport Channel Setup Request, Culset+1	Terminate Uplink Common Transport Channel Setup procedure	Culset	CRNC
Tulrcnf	When UL Common Transport Channel Reconfiguration Request is sent	At receipt of: -UL Common Transport Channel Reconfiguration Response or -UL Common Transport Channel Reconfiguration Failure	Repeat UL Common Transport Channel Reconfiguration Request, Culrcnf+1	Terminate Uplink Common Transport Channel Reconfigure procedure	Culrcnf	CRNC

Tuldel	When UL Common Transport Channel Deletion Request is sent	At receipt of: -UL Common Transport Channel Deletion Response	Repeat UL Common Transport Channel Deletion Request, Culdcl+1	Terminate Uplink Common Transport Channel Delete procedure, release the resources	Culdcl	CRNC
Tbr	When Block Resource Request is sent	At receipt of: -Block Resource Response or -Block Resource Failure	Repeat Block Resource Request, Cbr+1	Terminate Block Resource procedure	Cbr	CRNC
Tcm	When Common Measurement Initiation Request is sent	At receipt of: -Common Measurement Initiation Response or -Common Measurement Initiation Failure	Repeat Common Measurement Initiation Request, Ccm+1	Terminate Measurement Request procedure	Ccm	CRNC
Tcset	When Cell Setup Request is sent	At receipt of: -Cell Setup response or -Cell Setup Failure	Repeat Cell Setup Request, Ccset+1	Terminate Cell Setup procedure	Ccset	CRNC
Tcdcl	When Cell Deletion Request is sent	At receipt of: -Cell Deletion Response	Repeat Cell Deletion Request, Ccdcl	Terminate Cell Delete procedure	Ccdcl	CRNC
Tsiup	When System Information Update Request is sent	At receipt of: -System Information Update Response or -System Information Update Failure	Repeat System Information Update Request, Csiup+1	Terminate System Information Update procedure	Csiup	CRNC
Trlset	When Radio Link Setup Request is sent	At receipt of: -Radio Link Setup Response or -Radio Link Setup Failure	Repeat Radio Link Setup Request, Crlset+1	Terminate Radio Link Setup procedure	Crlset	CRNC
Tcap	When Capability Indication is sent	At receipt of: -Capability Indication Ack	Repeat Capability Indication, Ccap+1	Terminate Capability Exchange procedure	Ccap	CRNC
Trladd	When Radio Link Addition Request is sent	At receipt of: -Radio Link Addition Response or -Radio Link Addition Failure	Repeat Radio Link Addition Request, Crladd+1	Terminate Radio Link Addition procedure	Crladd	CRNC
Trlrcnfppe	When Radio Link Reconfiguration Prepare is sent	At receipt of: -Radio Link Reconfiguration Ready or -Radio Link Reconfiguration failure	Repeat Radio Link Reconfiguration Prepare, Crlrcnfppe+1	Terminate Radio Link Reconfiguration (Synchronized) procedure	Crlrcnfppe	CRNC
Trlrcnfrdy	When Radio Link Reconfiguration Ready is sent	At receipt of: -Radio Link Reconfiguration Commit or -Radio Link Reconfiguration Cancel	Repeat Radio Link Reconfiguration Ready, Crlrcnfrdy+1	Terminate Radio Link Reconfiguration (Synchronized) procedure	Crlrcnfrdy	Node B
Trlrcnfrdq	When Radio Link Reconfiguration request is sent	At receipt of: -Radio Link Reconfiguration Response or -Radio Reconfiguration Failure	Repeat Radio Link Reconfiguration request, Crlrcnfrdq+1	Terminate Radio Link Reconfiguration (Unsynchronized) procedure	Crlrcnfrdq	CRNC
Trldcl	When Radio Link Deletion Request is sent	At receipt of: -Radio Link Deletion Response	Repeat Radio Link Deletion Request, Crlldcl+1	Terminate Radio Link Deletion procedure, release the	Crlldcl	CRNC

				resources		
Tdm	When Dedicated Measurement Initiation Request is sent	At receipt of: -Dedicated Measurement Initiation Response or -Dedicated Measurement Initiation Failure	Repeat Dedicated Measurement Initiation Request, Cdm+1	Terminate Measurement Request procedure	Cdm	CRNC

The Table 1 can be incorporated into chapter 9.5 of [1] for further discussion.