

**Agenda Item:** 15.5 others  
**Source:** Fujitsu  
**Title:** Timer for RNSAP (Draft)  
**Document for:** Discussion

[1] 25.423 UTRAN Iur Interface RNSAP Signalling v1.2.2

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 RNSAP procedure.  
 This contribution gives some timers for discussion.

2. Principle for specifying timer

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

3. Timer list

Table 1 shows timer list for elementary procedure in RNSAP.

Table1 Timer list in RNSAP procedure

Timer	Cause for initiation	Normal Termination	At Expiry	At recycle out	Counter	Node which start timers
Trlset	When Radio Link Setup Request is sent	At receipt of: -Radio Link Response or -Radio Link Setup Failure	Repeat Radio Link Setup Request, Crlset+1	Terminate Radio Setup procedure	Crlset	SRNC
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 Addition procedure	Crladd	SRNC
Trldel	When Radio Link Deletion is sent	At receipt of: -Radio Link Deletion Response	Repeat Radio Link Deletion, Crlldel+1	Terminate Radio Deletion procedure, release the resources	Crlldel	SRNC
Trlrcnfpre	When Radio Link Reconfiguration Prepare is sent	At receipt of: -Radio Link Reconfiguration Ready or -Radio Link Reconfiguration Failure	Repeat Radio Link Reconfiguration Prepare, Crlrcnfpre+1	Terminate Radio Reconfiguration (synchronised) procedure	Crlrcnfpre	SRNC
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 Reconfiguration (synchronised) procedure, release the resources	Crlrcnfrdy	DRNC
Trlrcnf	When Radio Link Reconfiguration is sent	At receipt of: -Radio Link Reconfiguration Response or -Radio Link Reconfiguration Failure	Repeat Radio Link Reconfiguration, Crlrcnf+1	Terminate Radio Link Reconfiguration (unsynchronised) procedure	Crlrcnf	SRNC
Tpchrcnf	When Physical Channel	At receipt of: -Physical Channel	Repeat Physical Channel	Terminate Physical Channel	Cpchrcnf	DRNC

	Reconfiguration Request is sent	Reconfiguration Command or -Physical Channel Reconfiguration Failure or -RL Reconfiguration Prepare or -RL Reconfiguration or -RL Deletion	Reconfiguration Request, Cpchrcnf+1	Reconfiguration procedure		
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	SRNC
Tchinit	When Common Transport Channel Request is sent	At receipt of: -Common Transport Channel Response (Common Transport Channel Failure is FFS.)	Repeat Common Transport Channel Request, Cchinit	Terminate Common Transport Channel Initialisation procedure	Cchinit	SRNC

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