
3GPP TSG-RAN4 Meeting #33
Shin-Yokohama, Japan, 15-20 November 2004

Tdoc R4-040781

Title: LS on remove of TGPL2
Release: Release 99 and onwards
Work Item:

Source: TSG-RAN4
To: RAN1, RAN2, RAN3
Cc: RAN

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Attachments:

1. Overall Description:

In RAN1 specification TS 25.215, section 6.1.1.2, the compressed mode parameters are defined. TGPL2 is one of the parameters. This parameter makes it possible for the network to set two different compressed mode patterns that alternate. The only difference between pattern 1 and 2 is that they have different length (TGPL1 and TGPL2 respectively)

In 25.133, paragraph 8.1.2.1, see Appendix C, there is defined a general limitation for the measurement requirements in chapter 8 to apply:

- *provide the patterns within a transmission gap pattern sequence that are identical (i.e., TGPL1 = TGPL2),*

Thus, there are no RAN4 measurement performance requirements when two pattern are used (i.e TGPL2 is not equal to TGPL1 in the RRC signalling to the UE) within one compressed mode pattern sequence.

So looking at these requirements it seems that the UE is required to have compressed mode patterns with TGPL2 not equal to TGPL1, based on signalling, but there are no measurement performance requirements connected to the patterns. Therefore it seems like the worst possible scenario, the network cannot use TGPL2 if it's different than TGPL1 since there are no measurement performance requirements specified for the case when TGPL1≠TGPL2, but still the UE vendors have to implement it because we have to transmit and receive the frames in compressed mode, otherwise we will not be able to decode the data.

To solve this inconsistency between specifications, investigations have been performed, showing no gain with the second pattern defined by TGPL2. Therefore the conclusion of RAN4 is that the parameter TGPL2 can be removed from the specifications.

2. Actions:

To RAN1, RAN2 and RAN3 groups.

ACTION: RAN4 asks RAN1, RAN2 and RAN3 to consider whether the parameter TGPL2 can be removed from the specifications and inform RAN4. RAN4 will then take appropriate actions.

3. Date of Next TSG-RAN4 Meetings:

TSG-RAN4#34	14 - 18 Feb 2005	Scottsdale, US
TSG-RAN4#35	9 - 13 May 2005	EU