

3GPP TSG RAN PLENARY
Meeting#10, Bangkok, Thailand
6-8 December 2000

RP-000710

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6th – 8th December 2000

Tdoc NP-000728

Title: Liaison Statement on R99 Lossless Relocation for UMTS
Source: TSG CN Plenary
To: TSG RAN, TSG RAN WG3
Cc: TSG SA WG2

Contact Person:

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1. Overall Description:

TSG CN received a LS from WG CN4 on the issue of R99 Lossless Relocation for UMTS (NP-000593). This LS identified a misalignment between the specifications TS 23.060 & TS 29.060. Within TS 23.060 and TS 25.413 the R99 Lossless SRNS Relocation describes the situation of an Y-shaped GTP tunnel between "Source RNC" & "SGSN" and "Target RNC".

Within TS 29.060 it has been explicitly stated that "*no two remote GTP-U endpoints shall send traffic to a GTP-U protocol entity using the same TEID value*", which excludes the possibility of an Y-shaped GTP tunnel.

Two solutions have been identified to solve this misalignment:

1. Use a totally separate tunnel for forwarding and "regular" lu. This is estimated that it would require new IE in RANAP, and changes to TS 23.060).
2. Modify the rule in GTP (29.060), to allow this scenario in the case of data forwarding.

TSG CN has reviewed the two mentioned solutions and concluded that the working assumption shall be solution 2. This means that work to resolve the R99 Lossless Relocation problem can assume the use of Y-shaped GTP tunnels. However there are open issues with the Y-shaped GTP tunnel identified and CN4 is requested to ensure that all technical issues are resolved.

2. Actions:

To TSG RAN, WG RAN3 group.

ACTION: TSG CN asks TSG RAN and WG RAN3 to note the working assumption TSG CN has been taken on the R99 Lossless Relocation.

3. Attachments:

NP-000593.