

**TSG RAN Working Group 1 Meeting #9
Dresden, Germany, November 30 - December 3**

TSGR1#9(99)i23

TSG-RAN Working Group 2 (Radio L2 and Radio L3)
Cheju, Korea, 2 - 5 November 1999

TSGR2#8(99)g62

Source : TSG RAN WG2
Title : Reply to liaison statement on transmitting AMR Mode Command bits
To : TSG RAN WG1
Cc: : TSG SA WG4

After treating this liaison from RAN WG1 in their meeting, RAN WG2 would like to answer the following:

Regarding the comment on possibility 1 (Separate block coding for the transport channel carrying Mode command bits) and the difficulties regarding compressed mode method A, it could be possible to omit the mode command entirely for the compressed frames, in which case the mode of the previous frame would be used on the uplink (meaning that for one 20 ms TTI the uplink mode may not be the optimal one or follow the TFO-commands from the remote party).

On the question from RAN WG1:

WG1 would also like to ask from SA WG4 and RAN WG2, whether there is some information available what should be the FER quality of the Mode command bits.

RAN WG2 invites the opinion of SA WG4 on this aspect.

RAN WG2 would prefer the mode command bits to be independent of the data bits of classes A to C not to introduce erroneous frames due to errors in mode command bits or vice-versa. Both possibilities 1 (see above) & 3 (Applying convolutional coding to the TrCH containing 3 Mode command bits separately) comply. If the performance in both of these cases is found not to be adequate, RAN WG2 would prefer to be informed.