Title: PTCRB LS on 3G AMR

Source: PTCRB
To: TSG RAN WG5 (RAN5)
Cc: PVG

Contact Person:
Name: Glen Scales
Tel. Number: +1 (512) 372-5892
E-mail Address: glen.scales@att.com

1. Overall Description:

PTCRB would like to thank RAN5 for the information and recommendations in the "Response LS to PTCRB on Request for a review of RFT of AMR 5.9 with SF 256". PTCRB understands and appreciates the need to be diligent in the selection of test cases.

However, PTCRB has a critical need for these test cases. RAN5 identified 3 principles for including test cases in TS 34.123-1. These are listed below along with a response from PTCRB.

- To focus on testing those features and functions foreseen to be used in live networks and on the cases with high interoperability impact/benefits.
- To define reference parameter sets which will be representative of live network configurations (specified by reference radio bearer configurations and default signalling messages in TS 34.108)
- To identify typical and essential scenarios foreseen to be used in live networks.

Response – PTCRB Operators plan to use this feature in their live networks. The Operators have discovered that some UE's do not support it correctly. This has a catastrophic consequence on users – no audio. The radio bearer combinations provided are representative of the live networks of the PTCRB Operators.

Therefore, PTCRB graciously requests that RAN5 reconsider the development of these test cases. PTCRB's only alternative is to develop the test cases itself. Perhaps in order to save resources in this development more generic test cases could be developed which allow for variations in test parameters.

PTCRB would also like to update RAN5 on the test scenarios that we are requesting. The following list of scenarios is the most probable scenarios that will occur in single rate when the network enables lower rates below 12.2K.

MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 64/64
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 64/128
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 64/384
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 16/HS
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 32/HS
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 64/HS
MRAB establishment: Speech 7.95 kbps (SF=128) -> 12.2 Speech + 128/HS
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 64/64
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 64/128
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 64/384
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 16/HS
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 32/HS
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 64/HS
MRAB establishment: Speech 5.9 kbps (SF=128) -> 12.2 Speech + 128/HS
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 64/64
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 64/128

MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 64/384
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 16/HS
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 32/HS
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 64/HS
MRAB establishment: Speech 5.9 kbps (SF=256) -> 12.2 Speech + 128/HS
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 64/64
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 64/128
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 16/HS
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 32/HS
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 64/HS
MRAB establishment: Speech 4.75 kbps (SF=128) -> 12.2 Speech + 128/HS
IFHO (Speech 7.95 kbps)
IFHO (Speech 5.9 kbps SF 128)
IFHO (Speech 5.9 kbps SF 256)
IFHO (Speech 4.75 kbps SF 256)
Soft Handover (Speech 7.95 kbps) (three legs)
Soft Handover (Speech 5.9 kbps SF 128) (three legs)
Soft Handover (Speech 5.9 kbps SF 256) (three legs)
Soft Handover (Speech 4.75 kbps SF 256) (three legs)

Your continued support to fulfill the needs of the certification bodies is appreciated.

2. Date of Next PTCRB Meetings:

PTCRB #48	May 21 – 24, 2007	Schaumburg, IL
PTCRB #49	August 6 – 9, 2007	Seattle, WA