



**PTCRB Validation Group (PVG)**  
**PVG#78**  
**Shanghai, China, 30-31, August 2017**

## Liaison Statement

For submission to: 3GPP TSG-RAN WG5  
Cc: PTCRB, PVG

**Source:** PTCRB / PVG

**Document:** TR 37.901

**Subject:** Response to the LS from 3GPP TSG-RAN WG5 concerning the requested expansion of the technical scope for TR 37.901.

**Summary of Content:** The PTCRB / PVG would like to thank 3GPP TSG-RAN WG5 for their response and recommendations documented in the R5-172990 Liaison Statement returned to the PTCRB / PVG.

PTCRB / PVG recognizes the challenges for the 3GPP TSG-RAN WG5, and acknowledges that the possible future expansion would require a new study item with a very specific scope to be properly approved by 3GPP RAN Plenary.

During the PVG #77 meeting, the following discussions and agreements regarding the TR 37.901 expansion of the technical scope were noted:

- TR37.901 Technical Report should include UE Cat5 and higher, as it was also acknowledged that there is no further intent to expand the TR37.901 scope for lower UE categories beyond what is included in the TR 37.901 Technical Report today.
- The PTCRB agrees with the 3GPP RAN WG5 that CAT M1 and NB1 should not be included in the Work Item.
- Application layer data throughput testing for TDD UE categories are not required, and are being downgraded in their category assignment.
- The PTCRB would like to recommend that FDD 2CA downlink combinations (which will include LAA) be added to the Work Item in 3GPP for the multi-carrier configurations.
- The PTCRB also suggests that 3CA, 4CA, and 5CA as well as LAA would be great additions to 37.901 (or its descendants) and should provide the framework for testing in LTE for years to come and should remain open for further scope expansion within TR37.901.
- The PTCRB believes it would be worth mentioning that our previous lab verification work has shown there is a frequency invariant component of data throughput when tested in conducted mode as recommended by 3GPP RAN WG5 in Annex B.3. The PTCRB hopes that this can simplify the scope of a potential Work Item.
- PTCRB / PVG looks for RAN WG5 for inputs and recommendations regarding data connectivity.

### 1. Action Requested

PVG requests 3GPP RAN WG5 to review the noted discussions and agreements for expansion of the technical scope in 3GPP TR 37.901 UE application layer data throughput performance testing, and advise if further details or specific information is required for the development of the new Study Item to be presented to the RAN Plenary for consideration. PTCRB / PVG appreciates the insight of 3GPP RAN WG5 and looks forward to the feedback on this scope expansion request.

**Dates of Next Meeting**

3GPP RAN5 #76    21-25 August 2017, Berlin, Germany.

PVG #78            30-31 August 2017, Shanghai, China.