



Title: Liaison Statement from PVG to 3GPP RAN5 Concerning High Priority Access(HPA) - Services Testing

Source: PTCRB Validation Group(PVG)
To: 3GPP RAN5
Cc: PTCRB

Contact Person

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1. Overall Description:

The PTCRB determined it is necessary to verify the operation of devices supporting High Priority Access(HPA) - Services according to 3GPP TS 23.203, Table 6.1.7: Standardized QCI Characteristics. This request is different from Access Class Barring (ACB) which is already covered in 3GPP TS 36.523. PTCRB asked the PVG to find the level of testing of this feature in the current 3GPP RAN5 test specifications. The test specification 3GPP TS 36.579 (MC-PTT) only tests limited functionality of a MC-PTT application establishing a dedicated bearer session using QCIs 65 and 69. After further research, PVG concluded that additional test case(s) are needed for 3GPP TS 36.523 to verify that a device supports this feature correctly. PVG feels that the following major areas need be addressed:

1) Call Setup Single Dedicated Bearer with a Specific QCI value from Table 6.1.7

The purpose of the test area is to make sure that the device is capable of setting up a single dedicated bearer for each QCI value specified in Table 6.1.7 of TS 23.203.

2) Call Setup Multiple Dedicated Bearers with a Specific QCI value from Table 6.1.7

The purpose of this test area is to make sure that the device is capable of setting up multiple dedicated bearers each with a unique QCI value specified in Table 6.1.7 of TS 23.203.

3) Call Termination of a Single Dedicated Bearer with a Specific QCI value from Table 6.1.7

The purpose of this test area to verify the device behaviour when the network sends a call termination message for an active call/data session that has a specific QCI associated with it.

4) Call Termination of Single Dedicated Bearer when Multiple Dedicated Bearers Have Been Established by the Device at different QCI values from Table 6.1.7

While the device has multiple dedicated bearer sessions established at different QCIs, the purpose of this test area is to verify the device behaviour when the network sends a call

termination message for an active call/data session that has a specific QCI associated with it.

5) Performance of a Session when a Dedicated Bearer is Established at a Given QCI

The purpose of this test area is to verify the performance of a data session that has been established at a given QCI using the Packet Delay Budget and Packet Error Loss Rate specified in Table 6.1.7 as the acceptable level of performance.

2. Action(s):

The PTCRB/PVG kindly requests 3GPP RAN5 to add additional test coverage for High Priority Access - Services (HPA - Services, 3GPP TS 23.203, Table 6.1.7).

3. Dates of Next Meetings

PTCRB #91 14-15 March 2018, Fort Worth, USA

PVG #81 16-17 May 2018, Malaga, Spain