**3GPP TSG- Meeting # *18132***

**Hefei, China, October**

**Agenda item:** 6.8

**Source:** Moderator (China Telecom)

**Title:** Topic summary for [113][110] HPUE\_Basket\_Intra-CA\_TDD

**Document for:** Information

# Introduction

*List of candidate target of discussions for this topic.*

* *Handling PC2/PC1.5 2UL FDD+FDD in the current HPUE basket WI*
* *SUL HPUE on MSD*
* *TRs update & draft CRs.*

# Topic #1: HPUE\_NR\_CADC\_SUL\_R19

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Proposals / Observations** | **Company** |
| R4-2417549 | Revised WID for HPUE\_NR\_CADC\_SUL\_R19 | China Telecom, China Unicom |
| R4-2417550 | Big CR to 38.101-1 new combinations for HPUE\_NR\_CADC\_SUL\_R19 | China Telecom, China Unicom |
| R4-2417551 | TR 38.746 v0.2.0 HPUE\_NR\_CADC\_SUL\_R19-TDD | China Telecom |
| R4-2417572 | Draft CR for TS38.101-1 Rel-19 for adding PC2 ULCA to 4CC NRCA band combinations | SoftBank Corp. |
| R4-2417573 | TP for TR 38.746: 3Tx inter-band CA\_n1-n79, CA\_n3-n79 and CA\_n28-n79 | SoftBank Corp. |
| R4-2417578 | TR 38.750 v0.3.0 HPUE\_NR\_CADC\_SUL\_R19-FDD | China Unicom |
| R4-2417605 | DraftCR 38.101-1 Addition of Single UL PC2 FDD CA Combinations with no MSD | AT&T, FirstNet |
| R4-2417918 | TR38.792 for PC1.5 with high power on both FDD and TDD bands | OPPO |
| R4-2418058 | Draft CR to Big CR for 38.101-1 adding new FDD+FDD PC2 note | T-Mobile USA, Ericsson |
| R4-2418059 | Draft CR for 38.101-1 T-Mobile USA HPUE FDD band combinations | T-Mobile USA |
| R4-2418060 | Draft CR for 38.101-1 T-Mobile USA HPUE TDD 3Tx band combinations | T-Mobile USA |
| R4-2418061 | TP for TR 38.746 CA\_n25A-n41A-n77A TDD 3Tx | T-Mobile USA |
| R4-2418062 | TP for TR 38.746 CA\_n25A-n77A TDD 3Tx | T-Mobile USA |
| R4-2418063 | TP for TR 38.746 CA\_n41A-n66A-n77A TDD 3Tx | T-Mobile USA |
| R4-2418064 | TP for TR 38.746 CA\_n41A-n71A-n77A TDD 3Tx | T-Mobile USA |
| R4-2418065 | TP for TR 38.746 CA\_n77A-n85A TDD 3Tx | T-Mobile USA |
| R4-2418066 | TP for TR 38.750 CA\_n66A-n85A FDD PC2 | T-Mobile USA |
| R4-2418315 | Draft CR for TS 38.101-1 to add PC2 for inter-band CA with single FDD UL | Samsung, Boost Mobile Network |
| R4-2418316 | TP for TR 38.750 CA\_n29-n66 with PC2 FDD single UL | Samsung, Boost Mobile Network |
| R4-2418317 | TP for TR 38.750 CA\_n29-n70 with PC2 FDD single UL | Samsung, Boost Mobile Network |
| R4-2418318 | TP for TR 38.750 CA\_n66-n70 with PC2 FDD single UL | Samsung, Boost Mobile Network |
| R4-2418332 | draft CR 38.101-1 draft CR 38.101-1 adding PC2 UL configurations | Ericsson, Telstra |
| R4-2418333 | draft CR 38.101-1 draft CR 38.101-1 adding PC1.5 UL configurations | Ericsson, Telstra |
| R4-2418334 | draft CR 38.101-1 draft CR 38.101-1 adding PC2 UL CA\_n78C configurations | Ericsson, Telstra |
| R4-2418709 | TP for TR 38.792 Annex part: Valid UL configuration | ZTE Corporation, Sanechips |
| R4-2418729 | Draft CR for TS 38.101-1 to add PC2 for some NR-CA band combinations | KDDI, Samsung |
| R4-2419501 | Clarification for PC2/PC1.5 FDD+FDD request | Boost Mobile Network |
| R4-2419721 | Impact of SUL HPUE on MSD | Skyworks Solutions Inc. |

## Open issues summary

*Before Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

### Sub-topic 1: Handling PC2/PC1.5 2UL FDD+FDD in this HPUE basket WI(Boost Mobile Network)

* Proposal 1: Handling PC2 2UL FDD+FDD in the current HPUE WI including the following 2 cases:
  + Total power **PC2 2Tx** with FDD PC3 1Tx + FDD PC3 1Tx
  + Total power **PC2 3Tx** with FDD PC3 2Tx + FDD PC3 1 Tx
* Proposal 2: Handling PC1.5 2UL FDD+FDD in the current HPUE WI including the following 2 cases:
  + Total power **PC1.5 2Tx** with FDD PC2 1Tx + FDD PC2 1Tx
  + Total power **PC1.5 3Tx** with FDD PC2 2Tx + FDD PC2 1Tx
* Recommended WF: Proposal 1 can be agreed. Discuss Proposal 2 online.

### Sub-topic 2: SUL HPUE on MSD

* Proposal 1: RAN4 clarifies if 1UL HPUE configurations are supported for SUL band combinations. And if so, reevaluate the availability of 1UL HPUE MSD requirements.

### Sub-topic 3: TPs and Draft CRs.

* Recommended WF: go through CRs one by one