**3GPP TSG-RAN4 Meeting #102-e *R4-2206110***

**Online, , 21st Feb 2022 – 3rd Mar 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-4** | **CR** |  | **rev** | **-** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

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| ***Title:*** | Draft CR on Applicability Rules for FR1 HST CA requirements | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_HST\_FR1\_enh-Perf | | | | |  | ***Date:*** | | | 2022-02-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-17 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Applicability Rules for FR1 HST CA requirements are not defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Applicability Rules for FR1 HST CA requirements are added assuming that HST-SFN CA requirements are defined in Clause 5.2A.x.4 and HST-DPS CA requirements are defined in Clause 5.2A.x.5. Applicability rules for HST-DPS Scheme 1b are not added since it’s CA requirement tests are not separately defined yet. | | | | | | | | |
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| ***Consequences if not approved:*** | | FR1 HST CA Requirements will not be complete. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.1.1.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521-4 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

<< Start of change 1 >>

#### 5.1.1.7.4 Applicability of different requirements for HST

The applicability rules for different HST requirements in section 5 are specified in Table 5.1.1.7.4-1.

Table 5.1.1.7.4-1: Applicability of requirements for HST

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| If UE has passed | | | UE can skip | | | Applicability notes |
| Test type | | Test list | Test type | | Test list |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 1), and Clause 5.2A.2.5 (Test 3) | FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 3), and Clause 5.2A.2.5 (Test 1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 2), and Clause 5.2A.2.5 (Test 3) | FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 3), and Clause 5.2A.2.5 (Test 2) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 1), and Clause 5.2A.3.5 (Test 3) | FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 3), and Clause 5.2A.3.5 (Test 1), |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 2), and Clause 5.2A.3.5 (Test 3) | FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 3), and Clause 5.2A.3.5 (Test 2), |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.5 (Test 1) | FR1 2Rx | PDSCH | Clause 5.2A.2.5 (Test 2) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 1) | FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 2) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.5 (Test 1) | FR1 4Rx | PDSCH | Clause 5.2A.3.5 (Test 2) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 1) | FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 2) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 1) | FR1 2Rx | PDSCH | Clause 5.2.2.1.9 (Test 1-1), Clause 5.2.2.2.1 (Test 1-11),  Clause 5.2.2.2.9 (Test 1-1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.5 (Test 1) | FR1 2Rx | PDSCH | Clause 5.2.2.1.10 (Test 1-1), Clause 5.2.2.2.1 (Test 1-11),  Clause 5.2.2.2.10 (Test 1-1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 2) | FR1 2Rx | PDSCH | Clause 5.2.2.1.9 (Test 1-1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.5 (Test 2) | FR1 2Rx | PDSCH | Clause 5.2.2.1.10 (Test 1-1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.4 (Test 3) | FR1 2Rx | PDSCH | Clause 5.2.2.2.1 (Test 1-11),  Clause 5.2.2.2.9 (Test 1-1) |  |
| FR1 2Rx | PDSCH | Clause 5.2A.2.5 (Test 3) | FR1 2Rx | PDSCH | Clause 5.2.2.2.1 (Test 1-11),  Clause 5.2.2.2.10 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 1) | FR1 4Rx | PDSCH | Clause 5.2.3.1.9 (Test 1-1), Clause 5.2.3.2.1 (Test 1-11),  Clause 5.2.3.2.9 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.5 (Test 1) | FR1 4Rx | PDSCH | Clause 5.2.3.1.10 (Test 1-1), Clause 5.2.3.2.1 (Test 1-11),  Clause 5.2.3.2.10 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 2) | FR1 4Rx | PDSCH | Clause 5.2.3.1.9 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.5 (Test 2) | FR1 4Rx | PDSCH | Clause 5.2.3.1.10 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.4 (Test 3) | FR1 4Rx | PDSCH | Clause 5.2.3.2.1 (Test 1-11),  Clause 5.2.3.2.9 (Test 1-1) |  |
| FR1 4Rx | PDSCH | Clause 5.2A.3.5 (Test 3) | FR1 4Rx | PDSCH | Clause 5.2.3.2.1 (Test 1-11),  Clause 5.2.3.2.10 (Test 1-1) |  |

<< End of change 1 >>