3GPP TSG-RAN WG4 Meeting # 97-e R4-2014843

Electronic Meeting, 2-13 Nov., 2020

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** |  | **rev** | **-** | **Current version:** | **16.5.0** |  |
|  | | | | | | | | |
| *For* [HELP](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>*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | DraftCR to 38.101-3: Introduce inter-band CA and DC configurations including FR2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Verizon, Samsung, Qualcomm, Nokia, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_CADC\_R17\_2BDL\_xBUL | | | | |  | ***Date:*** | | | 2020-11-02 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | Introduce NR CA configurations for CA\_n48-n260 and CA\_n66-261 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the configrations in Table 5.5A.1-1 for CA, and in Table 5.5B.7-1 for DC | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The required CA configuratons cannot be implmented in spec | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5A.1 and 5.5B.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | 38.521-3 ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## **<< Start of changes >>**

## 5.5 Configuration

## 5.5A Configuration for CA

#### 5.5A.1 Inter-band CA configurations between FR1 and FR2

The configurations for operating bands for CA including Band n41 also apply for the corresponding operating bands for CA with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said configuration for operating bands for CA with Band n90 are not listed in the tables below but are covered by this specification.

Table 5.5A.1-1: Inter-band CA configurations and bandwidth combinations sets between FR1 and FR2 (two bands)

| NR CA configuration | Uplink CA configuration | NR Band | SCS  (kHz) | 5  MHz | 10  MHz | 15  MHz | 20  MHz | | 25  MHz | 30  MHz | | 40  MHz | 50  MHz | 60  MHz | 70  MHz | 80  MHz | 90  MHz | 100 MHz | 200 MHz | | 400 MHz | Bandwidth combination set |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CA\_n1A-n257A | CA\_n1A-n257A | n1 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n3A-n257A | CA\_n3A-n257A | n3 | 15 | Yes | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n3A-n257D | CA\_n3A-n257A, CA\_n3A-n257D | n3 | 15 | Yes | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n3A-n257G | CA\_n3A-n257A, CA\_n3A-n257G | n3 | 15 | Yes | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n3A-n257H | CA\_n3A-n257A, CA\_n3A-n257G, CA\_n3A-n257H | n3 | 15 | Yes | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n3A-n257I | CA\_n3A-n257A, CA\_n3A-n257G, CA\_n3A-n257H, CA\_n3A-n257I | n3 | 15 | Yes | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257I | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260A | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n5A-n260(2A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(3A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(4A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(5A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(5A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(6A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(6A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(7A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(7A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n260(8A) | CA\_n5A-n260A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(8A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261A | CA\_n5A-n261A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n5A-n261(2A) | CA\_n5A-n261A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261(3A) | CA\_n5A-n261A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261(4A) | CA\_n5A-n261A | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261G | CA\_n5A-n261A, CA\_n5A-n261G | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261G | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261H | CA\_n5A-n261A, CA\_n5A-n261G, CA\_n5A-n261H | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261H | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261I | CA\_n5A-n261A, CA\_n5A-n261G, CA\_n5A-n261H, CA\_n5A-n261I | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261I | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261J | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_5A\_n261I | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261J | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261K | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_n5A\_n261I | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261J | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261L | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_n5A\_n261I | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261L | | | | | | | | | | | | | | | | | | |
| CA\_n5A-n261M | CA\_n5A-n261A, CA\_n5A-n261G, CA\_n5A-n261H, CA\_n5A-n261I | n5 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261M | | | | | | | | | | | | | | | | | | |
| CA\_n8A-n258A | CA\_n8A-n258A | n8 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n258 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n25A-n260A | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n25A-n260(2A) | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n25A-n260(3A) | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n25A-n260(4A) | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n25A-n261A | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n25A-n261(2A) | - | n25 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n28A-n257A | CA\_n28A-n257A | n28 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n28A-n257D | CA\_n28A-n257A, CA\_n28A-n257D | n28 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n28A-n257G | CA\_n28A-n257A, CA\_n28A-n257G | n28 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n28A-n257H | CA\_n28A-n257A, CA\_n28A-n257G, CA\_n28A-n257H | n28 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n28A-n257I | CA\_n28A-n257A, CA\_n28A-n257G, CA\_n28A-n257H, CA\_n28A-n257I | n28 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | CA\_n257I | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n260A | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n41A-n260(2A) | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n260(3A) | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n260 | CA\_n260(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n260(4A) | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n260 | CA\_n260(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n41C-n260A | - | n41 | CA\_n41C | | | | | | | | | | | | | | | | | | | 0 |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n41C-n260(2A) | - | n41 | CA\_n41C | | | | | | | | | | | | | | | | | | | 0 |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n41(2A)-n260A | - | n41 | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | 0 |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n41(2A)-n260(2A) | - | n41 | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | 0 |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n261A | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n41A-n261(2A) | - | n41 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n41C-n261A | - | n41 | CA\_n41C | | | | | | | | | | | | | | | | | | | 0 |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n41(2A)-n261A | - | n41 |  | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | 0 |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| CA\_n41C-n261(2A) | - | n41 | CA\_n41C | | | | | | | | | | | | | | | | | | | 0 |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n41(2A)-n261(2A) | - | n41 | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | 0 |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n260A | CA\_n48A-n260A | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n48A-n260I | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | CA\_n260I | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n260J | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | CA\_n260J | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n260K | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | CA\_n260K | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n260L | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | CA\_n260L | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n260M | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | n48 | 15 | Yes3 | Yes | Yes | Yes | |  |  | | Yes | Yes3 |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes3 | Yes3 |  | Yes3 | Yes1,3 | Yes3 |  | |  |
| n260 | CA\_n260M | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260A | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260A | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(2A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 |  |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
|  |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
|  |  |  | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(3A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(4A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(5A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(5A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(6A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(6A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(7A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(7A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n260(8A) | CA\_n66A-n260A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(8A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261A | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 |  |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
|  |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
|  |  |  | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261(2A) | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261(3A) | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261(4A) | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261G | CA\_n66A-n261A  CA\_n66A\_n261G | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261G | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261H | CA\_n66A-n261A  CA\_n66A\_n261G  CA\_n66A\_n261H | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261H | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261I | CA\_n66A-n261A  CA\_n66A\_n261G  CA\_n66A\_n261H  CA\_n66A\_n261I | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261I | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261J | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261J | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261K | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261K | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261L | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261L | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261M | CA\_n66A-n261A  CA\_n66A\_n261G  CA\_n66A\_n261H  CA\_n66A\_n261I | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261M | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261O | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261O | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261P | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261P | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n261Q | CA\_n66A-n261A | n66 | 15 | Yes | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes |  |  |  |  |  |  |  | |  |
| n261 | CA\_ n261Q | | | | | | | | | | | | | | | | | | |
| CA\_n71A-n257A | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n71A-n260A | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n71A-n260(2A) | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n71A-n260(3A) | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(3A) | | | | | | | | | | | | | | | | | | |
| CA\_n71A-n260(4A) | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n260 | CA\_n260(4A) | | | | | | | | | | | | | | | | | | |
| CA\_n71A-n261A | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n71A-n261(2A) | - | n71 | 15 | Yes | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | |  |  |  |  |  |  |  |  | |  |
| 60 |  |  |  |  | |  |  | |  |  |  |  |  |  |  |  | |  |
| n261 | CA\_n261(2A) | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257A | CA\_n77A-n257A | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n77A-n257D | CA\_n77A-n257A, CA\_n77A-n257D | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257E | CA\_n77A-n257A | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257F | CA\_n77A-n257A | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257G | CA\_n257G  CA\_n77A-n257A, CA\_n77A-n257G | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257H | CA\_n257G  CA\_n257H  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257I | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257J | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I  CA\_n77A-n257J | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | See CA\_n257J in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257K | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J, CA\_n77A-n257K | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | See CA\_n257K in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257L | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n257L  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J, CA\_n77A-n257K,  CA\_n77A-n257L | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | See CA\_n257L in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n257M | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n257L  CA\_n257M  CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J, CA\_n77A-n257K,  CA\_n77A-n257L, CA\_n77A-n257M | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | See CA\_n257M in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77C-n257A | CA\_n77A-n257A | n77 |  | CA\_n77C | | | | | | | | | | | | | | | | | | 0 |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n77C-n257D | CA\_n77A-n257A | n77 | CA\_n77C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n77C-n257E | CA\_n77A-n257A | n77 | CA\_n77C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n77C-n257F | CA\_n77A-n257A | n77 | CA\_n77C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257A | CA\_n77A-n257A | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | 0 |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n77(2A)-n257D | CA\_n77A-n257A  CA\_n77A-n257D | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257G | CA\_n77A-n257A, CA\_n77A-n257G | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257H | CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257I | CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | 0 |
| n257 | See CA\_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257J | CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J | n77 | See CA\_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | | | | | 0 |
| n257 | See CA\_n257J in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257K | CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J,  CA\_n77A-n257K | n77 | See CA\_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | | | | | 0 |
| n257 | See CA\_n257K in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257L | CA\_n77A-n257A, CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J,  CA\_n77A-n257K,  CA\_n77A-n257L | n77 | See CA\_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | | | | | 0 |
| n257 | See CA\_n257L in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77(2A)-n257M | CA\_n77A-n257A  CA\_n77A-n257G, CA\_n77A-n257H, CA\_n77A-n257I,  CA\_n77A-n257J,  CA\_n77A-n257K,  CA\_n77A-n257L,  CA\_n77A-n257M | n77 | See CA\_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | | | | | 0 |
| n257 | See CA\_n257M in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n258A | - | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n258 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n77A-n261A | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| n261 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n77A-n261D | CA\_n77A-n261A, CA\_n77A-n261D | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| n261 | CA\_n261D | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261G | CA\_n77A-n261A, CA\_n77A-n261G | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| n261 | CA\_n261G | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261H | CA\_n77A-n261A, CA\_n77A-n261G, CA\_n77A-n261H | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| n261 | CA\_n261H | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261I | CA\_n77A-n261A, CA\_n77A-n261G, CA\_n77A-n261H, CA\_n77A-n261I | n77 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes |  | |  |
| n261 | CA\_n261I | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261J | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H CA\_n77A-n261I  CA\_n77A-n261J | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 |  | See CA\_n261J in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261K | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 |  | See CA\_n261K in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261L | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K  CA\_n77A-n261L | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261L in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261M | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K  CA\_n77A-n261L  CA\_n77A-n261M | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261M in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(2A) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(2A) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(2G) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(2G) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(2H) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(2H) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(2I) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(2I) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(3A) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(3A) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(4A) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(4A) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(A-G) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(A-G) in Table 5.5A.2-2 in TS 38.101-2 | | | | | | | | | | | |  | | | | | | |
| CA\_n77A-n261(A-H) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(A-H) in Table 5.5A.2-2 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(A-I) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| 60 |  | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | Yes | |  |
| n261 | See CA\_n261(A-I) in Table 5.5A.2-2 in TS 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(G-H) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes |  |  |  |  |  | |  |  | 0 |
| 30 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| 60 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| n261 |  | See CA\_n261(G-H) in Table 5.5A.2-2 in TS 38.101-2 | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(G-I) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes |  |  |  |  |  | |  |  | 0 |
| 30 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| 60 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| n261 |  | See CA\_n261(G-I) in Table 5.5A.2-1 in TS 38.101-2 | | | | | | | | | | | | | | | | | |
| CA\_n77A-n261(H-I) | CA\_n77A-n261A | n77 | 15 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes |  |  |  |  |  | |  |  | 0 |
| 30 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| 60 |  | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes | Yes | Yes1 | Yes | Yes | Yes | | Yes |  |
| n261 |  | See CA\_n261(H-I) in Table 5.5A.2-2 in TS 38.101-2 | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257A | CA\_n78A-n257A | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n78A-n257D | CA\_n78A-n257A, CA\_n78A-n257D | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257E | CA\_n78A-n257A | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257F | CA\_n78A-n257A | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n78C-n257A | CA\_n78A-n257A | n78 | CA\_n78C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n78C-n257D | CA\_n78A-n257A | n78 | CA\_n78C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n78C-n257E | CA\_n78A-n257A | n78 | CA\_n78C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n78C-n257F | CA\_n78A-n257A | n78 | CA\_n78C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257G | CA\_n257G  CA\_n78A-n257A, CA\_n78A-n257G | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257H | CA\_n257G  CA\_n257H  CA\_n78A-n257A, CA\_n78A-n257G, CA\_n78A-n257H | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A, CA\_n78A-n257G, CA\_n78A-n257H, CA\_n78A-n257I | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257I | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257J | CA\_n78A-n257A- | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257J | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257K | CA\_n78A-n257A- | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257K | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257L | CA\_n78A-n257A- | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257L | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n257M | CA\_n78A-n257A- | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n257 | CA\_n257M | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258A | CA\_n78A-n258A | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n258 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n78A-n258G | CA\_n78A-n258A  CA\_n78A-n258G | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258G Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258H | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n258 | See CA\_n258H Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258I | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258I Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258J | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258J Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258K | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258K Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258L | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258L Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n78A-n258M | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L  CA\_n78A-n258M | n78 | 15 |  | Yes | Yes | Yes | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| 60 |  | Yes | Yes | Yes | |  |  | | Yes | Yes | Yes |  | Yes | Yes | Yes |  | |  |
| n258 | See CA\_n258M Bandwidth Combination Set 0 in Table 5.5A.1-1 from 38.101-2 | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257A | CA\_n79A-n257A | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n79A-n257D | CA\_n79A-n257A | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257E | CA\_n79A-n257A | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257F | CA\_n79A-n257A | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257G | CA\_n257G  CA\_n79A-n257A, CA\_n79A-n257G | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257G | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257H | CA\_n257G CA\_n257H  CA\_n79A-n257A, CA\_n79A-n257G  CA\_n79A-n257H | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257H | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n79A-n257A, CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n257 | CA\_n257I | | | | | | | | | | | | | | | | | | |
| CA\_n79C-n257A | CA\_n79A-n257A | n79 | CA\_n79C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| CA\_n79C-n257D | CA\_n79A-n257A | n79 | CA\_n79C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257D | | | | | | | | | | | | | | | | | | |
| CA\_n79C-n257E | CA\_n79A-n257A | n79 | CA\_n79C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257E | | | | | | | | | | | | | | | | | | |
| CA\_n79C-n257F | CA\_n79A-n257A | n79 | CA\_n79C | | | | | | | | | | | | | | | | | | | 0 |
| n257 | CA\_n257F | | | | | | | | | | | | | | | | | | |
| CA\_n79A-n258A | - | n79 | 15 |  |  |  |  | |  |  | | Yes | Yes |  |  |  |  |  |  | |  | 0 |
| 30 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| 60 |  |  |  |  | |  |  | | Yes | Yes | Yes |  | Yes |  | Yes |  | |  |
| n258 | 60 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | |  |
| 120 |  |  |  |  | |  |  | |  | Yes |  |  |  |  | Yes | Yes | | Yes |
| NOTE 1: This UE channel bandwidth is optional in this release of the specification. (From Table 5.3.5-1 of 38.101-1)  NOTE 2: The CA configurations are given in Table 5.5A.1-1 of either TS 38.101-1 or TS 38.101-2 where unless otherwise stated BCS0 is referred to.  NOTE 3: For this bandwidth, the minimum requirements are restricted to operation and the confined requirements are defined in the Table 5.3.5-1 of 38.101-1 | | | | | | | | | | | | | | | | | | | | | | |

## **<< End of changes >>**

## **<< Start of changes >>**

### 5.5B.7 Inter-band NR-DC between FR1 and FR2

#### 5.5B.7.1 Inter-band NR-DC configurations between FR1 and FR2 (two bands)

Table 5.5B.7-1: Inter-band NR-DC configurations between FR1 and FR2 (two bands)

| Downlink NR DC  configuration | Uplink NR DC  configuration |
| --- | --- |
| DC\_n3A-n257A  DC\_n3A-n257D  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I | DC\_n3A-n257A  DC\_n3A-n257D  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I |
| DC\_n28A-n257A  DC\_n28A-n257D  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I | DC\_n28A-n257A  DC\_n28A-n257D  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I |
| DC\_n48A-n260A  DC\_n48A-n260I  DC\_n48A-n260J  DC\_n48A-n260K  DC\_n48A-n260L  DC\_n48A-n260M | DC\_n48A-n260A  DC\_n48A-n260G  DC\_n48A-n260H  DC\_n48A-n260I |
| DC\_n66A-n261O  DC\_n66A-n261P  DC\_n66A-n261Q | DC\_n66A-n261A |
| DC\_n77A-n257A  DC\_n77A-n257D  DC\_n77A-n257E  DC\_n77A-n257F  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n257J  DC\_n77A-n257K  DC\_n77A-n257L  DC\_n77A-n257M  DC\_n77C-n257A  DC\_n77C-n257D  DC\_n77C-n257E  DC\_n77C-n257F | DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n257J  DC\_n77A-n257K  DC\_n77A-n257L  DC\_n77A-n257M |
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| DC\_n77(2A)-n257A  DC\_n77(2A)-n257G  DC\_n77(2A)-n257H  DC\_n77(2A)-n257I  DC\_n77(2A)-n257J  DC\_n77(2A)-n257K  DC\_n77(2A)-n257L  DC\_n77(2A)-n257M | DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n257J  DC\_n77A-n257K  DC\_n77A-n257L  DC\_n77A-n257M |
| DC\_n77A-n261A  DC\_n77A-n261G  DC\_n77A-n261H  DC\_n77A-n261I  DC\_n77A-n261J  DC\_n77A-n261K  DC\_n77A-n261L  DC\_n77A-n261M | DC\_n77A-n261A  DC\_n77A-n261G  DC\_n77A-n261H  DC\_n77A-n261I  DC\_n77A-n261J  DC\_n77A-n261K  DC\_n77A-n261L  DC\_n77A-n261M |
| DC\_n77A-n261(2A)  DC\_n77A-n261(2G)  DC\_n77A-n261(2H)  DC\_n77A-n261(2I)  DC\_n77A-n261(3A)  DC\_n77A-n261(4A) | DC\_n77A-n261A |
| DC\_n77A-n261(A-G)  DC\_n77A-n261(A-H)  DC\_n77A-n261(A-I)  DC\_n77A-n261(G-H)  DC\_n77A-n261(G-I)  DC\_n77A-n261(H-I) | DC\_n77A-n261A |
| DC\_n78A-n257A  DC\_n78A-n257D  DC\_n78A-n257E  DC\_n78A-n257F  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I  DC\_n78A-n257J  DC\_n78A-n257K  DC\_n78A-n257L  DC\_n78A-n257M  DC\_n78C-n257A  DC\_n78C-n257D  DC\_n78C-n257E  DC\_n78C-n257F | DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I |
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| DC\_n79A-n257A  DC\_n79A-n257D  DC\_n79A-n257E  DC\_n79A-n257F  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I  DC\_n79A-n257J  DC\_n79A-n257K  DC\_n79A-n257L  DC\_n79A-n257M  DC\_n79C-n257A  DC\_n79C-n257D  DC\_n79C-n257E  DC\_n79C-n257F | DC\_n79A-n257A |
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| NOTE 1: NR configuration for FR1 and FR2 are defined in TS 38.101-1 [2] and TS 38.101-2 [3] respectively. | |

## **<< End of changes >>**