**3GPP TSG-RAN WG1 Meeting #118** ***R1-24xxxxx***

**Maastricht, Netherlands, August 19th – 23rd, 2024**

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| *CR-Form-v12.3* |
| **Draft CHANGE REQUEST** |
|  |
|  | **38.211** | **CR** |  | **rev** |  | **Current version:** | **18.3.0** |  |
|  |
| *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*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  | Editorial corrections to TS 38.211 for Rel-18 Positioning |
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| ***Source to WG:*** | Moderator (Intel Corporation) |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** | NR\_pos\_enh2-Core |  | ***Date:*** | 2024-08-20 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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 canbe 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)Rel-20 (Release 20)* |
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| ***Reason for change:*** | Clause 6.4.1.4.4:In clauses 6.4.1.4.2 and 6.4.1.4.3, SRS frequency hopping is represented as numberOfHops for SRS-PosResource as follows, but the related higher-layer parameter in clause 6.4.1.4.4 is not consistent with clauses 6.4.1.4.2, 6.4.1.4.3, and TS 38.331.

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| 6.4.1.4.2 Sequence generationThe sounding reference signal sequence for an SRS resource, or if *numberOfHops* for *SRS-PosResource* is provided, for a given hop within an SRS resource, shall be generated according to |

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| ***Summary of change:*** | Clause 6.4.1.4.4: Correction to align parameter names for SRS with tx hopping as follows:* *Update the higher layer parameter SRShoppingNrofHops in section 6.4.1.4.4 as numberOfHops*
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| ***Consequences if not approved:*** | Specification is incomplete or incorrect. |
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| ***Clauses affected:*** | 6.4.1.4.4 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

##### 6.4.1.4.4 Sounding reference signal slot configuration

Throughout this clause, when the higher layer parameter *numberOfHops* is provided for *SRS-PosResource*, the sounding reference signal slot configuration applies to a given hop.

For an SRS resource configured as periodic or semi-persistent by the higher-layer parameter *resourceType*, a periodicity  (in slots) and slot offset  are configured according to the higher-layer parameter *periodicityAndOffset-p* or *periodicityAndOffset-sp* in the *SRS-Resource* IE, or *periodicityAndOffset-p* or *periodicityAndOffset-sp* in the *SRS-PosResource* IE. Candidate slots in which the configured SRS resource may be used for SRS transmission are the slots satisfying

$$\left(N\_{slot}^{frame,μ}n\_{f}+n\_{s,f}^{μ}-T\_{offset}\right) mod T\_{SRS}=0$$

and, if the higher-layer parameter *srs-PosHyperSFN-Index* is configured for a periodicity larger than or equal to $2^{μ}∙10240$ slots, also

$$\left(n\_{HFN}+N\_{SRS}^{HFN}\right) mod 2=0$$

where $N\_{SRS}^{HFN}\in \left\{0,1\right\}$ is given by the higher-layer parameter *srs-PosHyperSFN-Index* and $n\_{HFN}$ is the hyper-frame number.

SRS is transmitted as described in clause 6.2.1 of [6, TS 38.214].

**<Unchanged text omitted>**