3GPP TSG-RAN WG2 #118-e R2-220xxxx

Electronic meeting, 9th May – 20th May 2022

Agenda Item: 5.1.4

Source: Ericsson

Title: [AT118-e][016][NR1516] Connection Control I (Ericsson)

Document for: Discussion, Decision

# 1 Introduction

The following document is to provide and collect input about a way forward related to the following email discussion:

* [AT118-e][016][NR1516] Connection Control I (Ericsson)

 Scope: Treat [R2-2205965](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205965.zip), [R2-2205966](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205966.zip), [R2-2205867](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205867.zip), [R2-2205406](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205406.zip), [R2-2205407](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205407.zip), [R2-2205868](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205868.zip), [R2-2205614](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205614.zip), [R2-2205586](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205586.zip), [R2-2205599](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205599.zip)

 Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

 Intended outcome: Report, Agreed CRs

 Deadline: Schedule 1

A first round with Deadline for comments W1 Thursd May 12th 1200 UTC to settle scope what is agreeable etc
A Final round with Final deadline W2 Wednesd May 18th 1200 UTC to settle details / agree CRs etc.

# 2 Contact information

|  |  |  |
| --- | --- | --- |
| Company | Name | Email address |
| Samsung | Seungri Jin | seungri.jin@samsung.com |
| Nokia |  | amaanat.ali@nokia.com |
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# 3 Discussion

## 3.1 L1 parameters

[R2-2205965](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205965.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-15 38.331 15.17.0 3140 - F NR\_newRAT-Core, TEI16

[R2-2205966](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205966.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-16 38.331 16.8.0 3141 - A NR\_newRAT-Core, TEI16

[R2-2205967](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205967.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-17 38.331 17.0.0 3142 - A NR\_newRAT-Core, TEI16

The CRs correct a conflict between Need Code and Field Description.
Strictly, the proposed change is not backwards compatible.

**Note** there is a typo in the Rel-15 CR. CR missed to add the Need Code “S” that replaces the “R”.

**Question 1:** Do companies agree with the changes proposed in CRs listed above?

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| --- | --- | --- |
| Company | Yes/No | Comments |
| Samsung | See the comments | Either approach has no functional differences but this Need R with adding the description of absent condition violates the general guideline.From our understanding, Need R without the description of absent condition is also possible (i.e. remove “If the field is absent, the UE applies the value 1 slot, except for DCI format 2\_0”) because this field is used for “Number of consecutive slots that a SearchSpace lasts in every occasion”. In other words, absent of this field, UE use the value 1 slot for monitoring of SearchSpace.If we strictly apply the rule for handing need code, we share the view from this change but no strong view on this change. |
| Nokia | Yes | This seems to have been missed and we are okay to correct this. |
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## 3.2 L2 parameters

[R2-2205406](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205406.zip) CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-15 38.331 15.17.0 3079 - F NR\_newRAT-Core

[R2-2205407](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205407.zip) CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-16 38.331 16.8.0 3080 - A NR\_newRAT-Core

The CRs proposes to correct the field description of *sn-FieldLength* as ‘The value of *sn-FieldLength* for a RLC shall be changed only using reconfiguration with sync’

**Question 2:** Do companies agree with the changes proposed in CRs listed above?

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| --- | --- | --- |
| Company | Yes/No | Comments |
| Samsung | Yes | We think the proposed change is correct. |
| Nokia | Not sure | We are not sure really we got the essence of the change. Is it editorial as there is no problem with interoperability but still some essential correction? |
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## 3.3 n77

[R2-2205968](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205968.zip) WF for NS\_55 in NR CA Ericsson discussion Rel-16 NR\_RF\_FR1-Core, TEI16

The document proposes to send LS to RAN4 to ask RAN4 to decide on solution for NS\_55 in NR CA.

**Question 3:** Do companies agree with sending LS to RAN4 and await further RAN4 input.

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| --- | --- | --- |
| Company | Yes/No | Comments |
| Samsung | Yes | We are fine to send LS to RAN4. |
| Nokia | See comment | Our preference would be to have an explicit exception for this (for now) - otherwise we get very strange behaviour when C-band cells start using NS-55 and UEs do not camp on the cells because of that. |
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## 3.4 SMTC configuration

[R2-2205614](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205614.zip) SMTC configuration for target cell Lenovo CR Rel-16 38.331 16.8.0 3103 - F NR\_newRAT-Core, TEI16

[R2-2205586](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205586.zip) SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-15 36.331 15.17.0 4804 - F NR\_newRAT-Core

[R2-2205599](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_118-e/Docs//R2-2205599.zip) SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-16 36.331 16.8.0 4805 - F NR\_newRAT-Core

The CRs suggest to change ‘SN change’ to ‘PSCell change’ in the field description of targetCellSMTC-SCG-r16.

**Question 4:** Do companies agree with the changes proposed in CRs listed above?

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| --- | --- | --- |
| Company | Yes/No | Comments |
| Samsung | Yes |  |
| Nokia | No | There is a potential misunderstanding of Lenovo. It was clarifiedearlier already that when there is no SN change, the smtc is based on the NR PSCell. This scenario for NR-DC has similar understanding.So, we are not sure the change is really needed. |
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# 4 Conclusion

Tbd

# 5 References