**3GPP TSG RAN meeting #106 R3-196401**

**Reno, USA, 18-22 November 2019**

Agenda Item: 4

Source: ETSI MCC

Title: Report of 3GPP TSG RAN meeting #105Bis,

Chongqing, China, 14-18 October 2019

Document for: Approval



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## 1 Opening of the meeting (Monday 9:00)

TSG RAN WG3 Vice-Chairmen Sasha Sirotkin (Intel) and Yin Gao (ZTE) opened the meeting 3GPP TSG RAN WG3 #105Bis on Monday October 14th, 2019 at 9am.

On behalf of the host (i.e. The Chinese Friends of 3GPP), Aijuan LIU from CATT welcomed the delegates to Chongqing, China and explained organisation related matters of the meeting.

## 2 Reminder

### 2.1 IPR declaration

RAN3 chairman: I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.

Delegates are asked to take note that they are thereby invited:

• To investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

• To notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms (http://www.3gpp.org/Call-for-IPR-Meetings).

Reference: http://www.3gpp.org/3gpp-calendar/89-call-for-ipr-meetings

### 2.2 Statement of antitrust compliance

RAN3 chairman: I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.

The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.

Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters.

Reference: http://www.3gpp.org/about-3gpp/legal-matters/21-3gpp-calendar/1616-statement-of-antitrust-compliance

### 2.3 Engagement with Companies Added to the US Export Administration Regulations (EAR) Entity List

RAN3 chairman:

**1. Public Information is Not Subject to EAR**

3GPP is an open platform where all contributions (including technology protected or not by patent) made by the different Individual Members under the membership of each respective Organizational Partner are publicly available. Indeed, contributions by all and any Individual Members are uploaded to a public file server when received and then the documents are effectively in the public domain.

In addition, since membership of email distribution lists is open to all, documents and emails distributed by that means are considered to be publicly available.

As a result, information contained in 3GPP contributions, documents, and emails distributed at 3GPP meetings or by 3GPP email distribution lists, because it is made available to the public without restrictions upon its further dissemination, is not subject to the export restrictions of the EAR.

Meeting minutes are maintained for 3GPP meetings. Such meeting minutes for 3GPP meetings are made available to the public without restrictions upon its further dissemination. As a result, information, including information conveyed orally, contained in 3GPP meetings is not subject to the export restriction of the EAR; this would include information conveyed during side meetings that may occur during the main meetings, if these meetings are open to any participants and the results of all said meetings are publicly available without restrictions upon their further dissemination.

**2. Non-Public Information**

Non-public information refers to the information not contained or not intended to be contained in 3GPP contributions, documents or emails. Such non-public information may be disclosed during informal meetings, exchanges, discussions or any form of other communication outside the 3GPP meetings and email distribution lists, and may be subject to the EAR.

**3. Other Information**

Certain encryption software controlled under the International Traffic in Arms Regulations (ITAR), even if publicly available, may still be subject to US export controls other than the EAR.

**4. Conduct of Meetings**

The situation should be considered as "business as usual" during all the meetings called by 3GPP.

**5. Responsibility of Individual Members**

It should be remembered that contributions, meetings, exchanges, discussions or any form of other communication in or outside the 3GPP meetings are of the accountability, integrity and the responsibility of each Individual Member. In addition, Individual Members remain responsible for ensuring their compliance with all applicable export control regulations, including but not limited to EAR.

Individual Members with questions regarding the impact of laws and regulations on their participation in 3GPP should contact their companies’ legal counsels.

Reference: https://www.3gpp.org/about-3gpp/legal-matters#EAR

### 2.4 Responsible IT behavior

RAN3 chairman: Delegates are reminded that they share the meeting IT resources with their fellow delegates. You should not abuse the service by using bandwidth-hogging applications such as movie downloads, streaming video, web-based gaming, etc during the meeting. Use the internet service in your hotel rooms for this!

Delegates must respect the law of the hosting country, and should not visit prohibited internet sites.

In cases of persistent abuse of the internet bandwidth, MCC may restrict individual’s use of the service.

In particular, the PCG has laid down the following network usage conditions:

1. Users shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws.

2. Users shall not engage in non-work related activities that are consume excessive bandwidth or cause significant degradation of the performance of the network.

Since the network is a shared resource, users should exercise some basic etiquette when using the 3GPP network at a meeting. It is understood that high bandwidth applications such as downloading large files or video streaming might be required for business purposes, but delegates should be strongly discouraged in performing these activities for personal use. Downloading a movie or doing something in an interactive environment for personal use essentially wastes bandwidth that others need to make the meeting effective. The meeting chairman should remind end users that the network is a shared resource; the more one user grabs, the less there is for another. Email and its attachments already take up significant bandwidth (certain email programs are not very bandwidth efficient). In case of need the chair can ask the delegates to restrict IT usage to things that are essential for the meeting itself.

1.DON’T place your WiFi device in ad-hoc mode

2.DON’T set up a personal hotspot in the meeting room

3.DO try 802.11a if your WiFi device supports it

4.DON’T manually allocate an IP address

5.DON’T be a bandwidth hog by streaming video, playing online games, or downloading huge files

6.DON’T use packet probing software which clogs the local network (e.g., packet sniffers or port scanners)

Reference: <http://www.3gpp.org/Delegates-Corner#outil_sommaire_14>

## 3 Approval of the Agenda

**R3-194900 RAN3-105Bis meeting Agenda**

*Type: agenda For: Approval  
 Source: Chairman (Ericsson)*

**Abstract:**

Meeting Agenda.

Document is for approval.

**Decision:** The document was **approved**.

## 4 Approval of the minutes from previous meetings

**R3-194901 RAN3-105 meeting report**

*Type: report For: Approval  
 Source: ETSI MCC*

**Abstract:**

Report of the RAN3-105 meeting. Document is for approval.

**Decision:** The document was **approved**.

## 5 Documents for immediate consideration

## 6 Organizational topics

## 7 General, protocol principles and issues

### 7.1 Coordination with IANA on Port Assignment

**R3-195650 On coordination with IANA**

*Type: discussion For: (not specified)  
 Source: Intel Corporation (UK) Ltd*

**Discussion:**

- Ericsson asked what is the objective and we try to acheive ?

- Huawei replied that a justification for new port number allocation is now enforced. Huawei accepts the single point of contact and prefers to continue working as we have so far.

==> In the future RAN3 will coordinate with CT chair as the single point of contact for IANA port allocation.

**Decision:** The document was **noted**.

### 7.2 Others

**R3-196095 Considerations and Decision on RAN3 Contribution Quota**

*Type: other For: discussion  
 Source: RAN3 Chairman, RAN3 Vice-Chairs*

**Discussion:**

Nokia: Acknowledges the issue, however thinks the real issue comes from the number of architectures and interfaces.

Huawei: We are generally ok with the principal. However:

1) co-signing can be easily cheated.

2) Concern on the correction AI. We need to see all proposed corrections and have a special treatment for corrections.

NTT-Docomo: Similar comment as Huawei. Also not limit the number of contributions for operators.

Vice-Chairman: Focus on the most important issues also for TEI.

Huawei: We are talking about corrections and not TEI.

Samsung: We are generally agreeing with . We need a solution to solve the issue. We agree with Huawei that we need to not limit the number of contributions. Also agree with Nokia that the issue is the number of interfaces. Rapporteurs can allocate different issues to different companies to avoid double contributions on the same subject.

Nokia: Practically, how to know which document to be treated.

**Decision:** The document was **noted**.

## 8 Incoming LSs

### 8.1 New Incoming LSs

**O-RAN COORDINATION**

**R3-194904 LS on O-RAN Alliance & 3GPP Coordination on O-RAN Alliance Outputs**

*Type: LS in For: Discussion  
 Original outgoing LS: ORAN\_3GPP\_Liaison\_Statement\_final, to -, cc -  
 Source: O-RAN Alliance*

**Decision:** The document was **noted**.

**R3-194931 Reply LS to “O-RAN Alliance & 3GPP Coordination on O-RAN Alliance Outputs”**

*Type: LS in For: Discussion  
 Original outgoing LS: SP-190947, to -, cc -  
 Source: 3GPP SA*

**Decision:** The document was **noted**.

**FALSE BASE STATION DETECTION**

**R3-194927 LS to RAN2 and RAN3 on False Base Station Detection**

*Type: LS in For: Discussion  
 Original outgoing LS: S3-193175, to -, cc -  
 Source: 3GPP SA3*

**Decision:** The document was **noted**.

**R3-196082 Discussion on potentioal RAN3 impacts impacts by false base station detection mechanisms to be adopted by SA3**

*Type: discussion For: Decision  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-196083 Draft reply LS on False Base Station Detection**

*Type: LS out For: Approval  
 to SA3, cc RAN2  
 Source: Huawei*

**Discussion:**

Nokia: On solution 8, SON WI may be relevant, so RAN3 impact may be there, maybe on stage2 level. No comment on Solution 4.

Ericcson: Solution 8, we agree with Nokia. Solution 4, we need to simplify.

**Decision:** The document was **revised to R3-196096**.

**R3-196096 Draft reply LS on False Base Station Detection**

*Type: LS out For: Approval  
 to SA3, cc RAN2  
 Source: Huawei*

(Replaces R3-196083)

**Discussion:**

Ericsson: straightforward may be missleading. Replace with "uncomplicated" or an other synonym.

Huawei, Nokia: straightforward is the correct word for this context.

Qualcomm, Nokia: Simplify the action.

**Decision:** The document was **revised to R3-196256**.

**R3-196256 Draft reply LS on False Base Station Detection**

*Type: LS out For: Approval  
 to SA3, cc RAN2  
 Source: Huawei*

(Replaces R3-196096)

**Discussion:**

Approved unseen

**Decision:** The document was **approved**.

**QoE MEASUREMENT COLLECTION**

**R3-194928 LS on QoE Measurement Collection**

*Type: LS in For: Discussion  
 Original outgoing LS: S5-195659, to -, cc -  
 Source: 3GPP SA5*

**Decision:** The document was **noted**.

**R3-196039 On QoE measurement collection**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

Nokia: proposal UE id 4? What is the purpose ?

Ericsson: It is based on the decision from SA5.

Nokia: Today it is not needed.

Ericsson: if you have 1 choice per UE then yes. However, Multiple cell lists per UE and multiple measurements.

Huawei: There is also a RAN2 discussion if this RRC signalling is needed or not. We need to clarify with RAN2 and SA5.

Ericsson: we have some aspects that are not related to RAN2. We should discuss the pure RAN3 related issues.

Huawei: We can discuss the CRs with all issues (including RAN2 issues) in the next meeting.

**Decision:** The document was **noted**.

**R3-196097 Summary of offline discussion on QoE measurement collection**

*Type: discussion For: discussion  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196045 On QoE measurement collection**

*Type: CR For: (not specified)  
 25.413 v15.0.0 CR-1326 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196046 On QoE measurement collection**

*Type: CR For: (not specified)  
 36.413 v15.7.1 CR-1726 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196047 On QoE measurement collection**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1397 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**OTHERS**

**R3-194930 LS on aspects of Mission Critical Services over 5MBS**

*Type: LS in For: Discussion  
 Original outgoing LS: S6-192003, to -, cc -  
 Source: 3GPP SA6*

**Decision:** The document was **postponed**.

**R3-194902 Reply LS on NAS Aspects of Mobile-terminated Early Data Transmission**

*Type: LS in For: Discussion  
 Original outgoing LS: C1-195111, to -, cc -  
 Source: 3GPP CT1*

**Decision:** The document was **not treated**.

**R3-194903 LS on support for flow based QoS for NB-IoT connected to 5GC**

*Type: LS in For: Discussion  
 Original outgoing LS: C1-195166, to -, cc -  
 Source: 3GPP CT1*

**Decision:** The document was **not treated**.

**R3-194905 Reply LS on PDCCH monitoring for NR-DC**

*Type: LS in For: Discussion  
 Original outgoing LS: R1-1909550, to -, cc -  
 Source: 3GPP RAN1*

**Decision:** The document was **not treated**.

**R3-194906 LS on DL/UL Reference Signals and Measurements for NR Positioning**

*Type: LS in For: Discussion  
 Original outgoing LS: R1-1909796, to -, cc -  
 Source: 3GPP RAN1*

**Decision:** The document was **not treated**.

**R3-194908 Response to LS on Combination 2 of Uu QoS characteristics values for V2X services**

*Type: LS in For: Discussion  
 Original outgoing LS: R1-1909898, to -, cc -  
 Source: 3GPP RAN1*

**Decision:** The document was **not treated**.

**R3-194909 LS response to SA5 LS on clarification of OAM requirements for RIM**

*Type: LS in For: Discussion  
 Original outgoing LS: R1-1909904, to -, cc -  
 Source: 3GPP RAN1*

**Decision:** The document was **not treated**.

**R3-194912 LS on AS key derivation for conditional handover**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911565, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

**R3-194916 Reply LS on PARLOS RAN impacts**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911767, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

**R3-194919 Reply LS on RAN sharing and Emergency services with NPN**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911827, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

**R3-194920 LS on alignment between SA5 and RAN2 on L2 measurements**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911841, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

**R3-194923 Reply LS on Handling of UE radio network capabilities in 4G and 5G**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911850, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

**R3-194925 Reply LS on UAC for NB-IoT**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911865, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **not treated**.

### 8.2 LSin received during the meeting

**R3-196175 LS Reply on maximum value of MDBV**

*Type: LS in For: discussion  
 Original outgoing LS: C3-194330, to SA2, cc RAN1, RAN2, RAN3, CT4, SA1  
 Source: 3GPP CT3, Nokia*

**Decision:** The document was **not treated**.

**R3-196176 Reply LS to LS on maximum value of MDBV**

*Type: LS in For: discussion  
 Original outgoing LS: C4-194314, to SA2, cc RAN1, RAN2, RAN3, CT3, SA1  
 Source: 3GPP CT4, Nokia*

**Decision:** The document was **not treated**.

**R3-196177 Reply LS to LS on support of Remote Interference Management**

*Type: LS in For: discussion  
 Original outgoing LS: C4-194315, to RAN3, cc SA2, CT, RAN  
 Source: 3GPP CT4, Nokia*

**Decision:** The document was **not treated**.

**R3-196178 LS on NID structure and length**

*Type: LS in For: discussion  
 Original outgoing LS: C4-194332, to RAN2, RAN3, CT1, CT3, cc SA2  
 Source: 3GPP CT4, Ericsson*

**Decision:** The document was **not treated**.

**R3-196179 LS on QoS monitoring in GTP-U**

*Type: LS in For: discussion  
 Original outgoing LS: C4-194501, to RAN3, SA2, cc -  
 Source: 3GPP CT4, Huawei*

**Decision:** The document was **not treated**.

**R3-196255 LS on Sequence number on redundant transmission**

*Type: LS in For: discussion  
 Original outgoing LS: C4-194485, to RAN3, cc SA2  
 Source: 3GPP CT4, Huawei*

**Decision:** The document was **not treated**.

### 8.3 Left over LSs / pending actions

**R3-194914 Reply LS on LTE-M identification in 5GC**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911601, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195126 LTE-M identification in 5GC**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195127 Introduction of LTE-M Indicator**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0241 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195128 CIoT CN Selection**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0242 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195926 Introduction of LTE-M Devices indication in NGAP**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

- Nokia: We are aligned with Huawei's view. NGAP is sufficient.

- Ericsson: We disagree with Huawei's and Nokia's view on Core network capacility.

Nokia: Situation is different than before.

Qualcomm: RAN2 replied to SA2, and we are not very sure what SA2 would do with this information. It is too early to agree CRs at this meeting. We should axpect an LS from SA2, in the mean time we can have a working assumption.

Huawei: Ragarding the Ericsson CR on LTE only, there is no indication on SA2 or RAN2 on an LTE/EPC impact.

Chairman: Are we ready to discuss CRs ?

Nokia: SA2 asked RAN2 and RAN3 if it is feasible. RAN2 an RAN3 both replied it is feasible. SA2 is in charge of the decision. We should wait for a formal decision from SA2.

Huawei: Discuss next meeting and move it to 5GC AI.

Nokia: Agree

**Decision:** The document was **noted**.

**R3-195947 LTE-M Indication in S1AP**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1672 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194250)

**Decision:** The document was **noted**.

**R3-195948 LTE-M Indication in NGAP**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0225 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194277)

**Decision:** The document was **noted**.

**R3-195946 LTE-M Indication for EPC**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1725 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194276)

**Decision:** The document was **withdrawn**.

#### 8.3.1 Inter-Operator TDD Operation

**R3-195993 Requirements from ITU-T on inter-operator TDD operation**

*Type: discussion For: (not specified)  
 Source: Ericsson, Orange, Deutsche Telekom*

**Decision:** The document was **noted**.

**R3-195994 Introduction of common time standard source**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0097 Cat: F (Rel-16)  
  
 Source: Ericsson, Orange, Deutsche Telekom*

**Discussion:**

NTT Docomo: 1) offset aspects are missing. 2) wording needs to be changed: "same frequency" ==> "same band".

Ericsson: Offsets are allowed. It is already addressed by "Unless otherwise mutually agreed".

NTT Docomo: There are two types of offsets. Offsets that operator specific are not addressed by this sentence.

Huawei: Generally ok. The wording of "Common Universal time" needs to be changed. We are not confortable with using "shall" at the stage 2. it should be a "should" not a "shall".

Ericsson: ITU's LS mentions UTC and was very clear about that.

**Decision:** The document was **revised to R3-196098**.

**R3-196098 Introduction of common time standard source**

*Type: CR For: -  
 38.401 v15.6.0 CR-0097 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson, Orange, Deutsche Telekom*

(Replaces R3-195994)

**Discussion:**

Nokia: General requirement first to make the text readable (order of the sentences). ==> move the paragraphs "In case of non isolated …" and "Unless otherwise …" after the paragraph "Furthermore common ...".

Nokia: "...and/or unless different intialisation configurations do not affect operator’s networks in the same are" needs more consideration and discuss it until next meeting. Other changes are fine.

Ericsson: would it be better if we replace with "… and/or unless different SFN intialisation offsetting does not effect operators' networks in the same area " ?

Nokia: Yes. This is acceptable.

MCC: There are no CRs linked, tick "N" in other specs affected.

**Decision:** The document was **revised to R3-196257**.

**R3-196257 Introduction of common time standard source**

*Type: CR For: -  
 38.401 v15.6.0 CR-0097 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson, Orange, Deutsche Telekom*

(Replaces R3-196098)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

#### 8.3.2 OAM Requirements for RIM

**R3-195833 Discussion on reply LS from SA5 on OAM RIM requirements**

*Type: discussion For: Decision  
 Source: CMCC*

**Discussion:**

Huawei: agree with CMCC

**Decision:** The document was **noted**.

**R3-195834 [Draft] Reply LS to SA5 LS on clarification of OAM requirements for RIM**

*Type: LS out For: Approval  
 to SA5, cc RAN1  
 Source: CMCC*

**Decision:** The document was **noted**.

**R3-195713 OAM requirements for RIM**

*Type: LS out For: (not specified)  
 to SA5, cc SA1  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195229 Discussion on LS reply from 3GPP SA5 to RAN1 and RAN3 on OAM requirements for RIM**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195230 [Draft] Reply LS on LS reply from 3GPP SA5 to RAN1 and RAN3 on OAM requirements for RIM**

*Type: LS out For: (not specified)  
 to SA5, cc RAN1  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195987 Answers to SA5 on OAM requirements for RIM**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

CMCC: common understanding on the second question

Ericsson: for 1st question we agree with Nokia and ZTE. For 3rd question proposed replies are different, but there are commonalities. Answer to q1 is “yes”

**Decision:** The document was **noted**.

**R3-195988 [DRAFT] Reply LS on clarification of OAM requirements for RIM**

*Type: LS out For: (not specified)  
 to SA5, cc RAN1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196105**.

**R3-196105 [DRAFT] Reply LS on clarification of OAM requirements for RIM**

*Type: LS out For: -  
 to SA5, cc RAN1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195988)

**Discussion:**

Nokia: LS to be resubmitted next meeting.

**Decision:** The document was **noted**.

**R3-196249 Summary of discussion at RAN3#105bis on RIM**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: This is summary of offline discussion not agreements. We need further checking.

Nokia: We beleive this is Common understanding among companies.

Samsung: Agree with Ericsson. Need further checking of this "common understanding".

Huawei: We would like to have coordination among companies before the meeting in order to speed up the work.

**Decision:** The document was **noted**.

## 9 Corrections to Rel-15 or earlier releases

### 9.1 3G

### 9.2 LTE

**WUS**

**R3-194913 Reply LS on assistance indication for WUS**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911589, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195129 Consideration on CN awareness of WUS**

*Type: discussion For: Approval  
 Source: Huawei*

**Discussion:**

Ericsson: We are skeptical on the proposals. MME does not need to be awere the paging.

Nokia, ZTE: Similar view as Ericsson.

Qualcomm:Proposal 1 should be considered in CIoT. Only consider proposal 2 here. RAN2 has discussed this sometime ago and no agreement was made to make MME aware of WUS.

Huawei: Continue to discuss this as an Optimisation under TEI, since correction is not accepted.

**Decision:** The document was **noted**.

**R3-195130 CN awareness of WUS**

*Type: CR For: Approval  
 36.413 v15.7.0 CR-1712 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**IP VERSION, TNL**

**R3-195344 IP version on X2-U**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Discussion:**

Ericcson: agree that a clarification is needed. Based on Cover page, preference for the Samsung CR.

Huawei: some more thange are needed in 5003.

Nokia: Huawei CR text is correct.

Nokia: Is it necessary to have stage 2.

Huawei: Yes.

Nokia: If you want to have stage 2, then wording needs to be changed. The sentence is only applied to direct data forwarding.

Huawei: It applies to both direct and indirect data fowarding.

**Decision:** The document was **noted**.

**R3-195345 IP version on X2-U**

*Type: CR For: (not specified)  
 36.424 v15.0.0 CR-0030 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195346 IP version on X2-U**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **revised to R3-196107**.

**R3-196107 IP version on X2-U**

*Type: draftCR For: -  
 37.340 v15.7.0  
 Source: Huawei*

(Replaces R3-195346)

**Decision:** The document was **endorsed**.

**R3-195003 Independent migration to IPv6 on S1-U for en-gNB’s**

*Type: CR For: (not specified)  
 36.424 v15.0.0 CR-0029 Cat: F (Rel-15)  
  
 Source: Samsung*

**Decision:** The document was **revised to R3-196106**.

**R3-196106 Independent migration to IPv6 on S1-U for en-gNB’s**

*Type: CR For: -  
 36.424 v15.0.0 CR-0029 rev 1 Cat: F (Rel-15)  
  
 Source: Samsung*

(Replaces R3-195003)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195347 Correction of transport layer address on S1-U**

*Type: draftCR For: (not specified)  
 36.300 v15.7.0  
 Source: Huawei*

**Discussion:**

Nokia: This is not a technical correction. So maybe the rapporteur can handle this.

Ericsson: Agree with Nokia

**Decision:** The document was **noted**.

**RRC ESTABLISHMENT CAUSE**

**R3-195910 RRC Establishment cause**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

Nokia: do not agree to the CR. Change is not needed. RAN2 added the mo-ExceptionData in RRC establishment cause in NB-IoT.

Huawei, NTT-Docomo: same comment as Nokia

**Decision:** The document was **noted**.

**R3-195911 Correction of RRC Establishment cause**

*Type: CR For: (not specified)  
 36.413 v13.8.0 CR-1718 Cat: F (Rel-13)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195912 Correction of RRC Establishment cause**

*Type: CR For: (not specified)  
 36.413 v14.9.0 CR-1719 Cat: F (Rel-14)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195913 Correction of RRC Establishment cause**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1720 Cat: A (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**BEARER TYPE CRITICALITY**

**R3-195914 Bearer Type criticality**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196091 Response to R3-195914, R3-195915, R3-195916, R3-195917, R3-195918, R3-195919, R3-195920**

*Type: response For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericcson: this is not related.

Nokia: It is related.

Huawei: Last meeting we agreed that this should be Rel-16. Not legacy.

Nokia: for Rel-16, it was only endorsed with a note from the chairman that this is subject to reconsideration. It is pending RAN2.

Samsung: We prefer to wait for RAN2 agreement.

**Decision:** The document was **noted**.

**R3-195915 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.413 v13.8.0 CR-1721 Cat: F (Rel-13)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195916 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.413 v14.9.0 CR-1722 Cat: F (Rel-14)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195917 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1723 Cat: A (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195918 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.423 v13.8.0 CR-1394 Cat: F (Rel-13)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195919 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.423 v14.8.0 CR-1395 Cat: F (Rel-14)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195920 Correction of Bearer Type criticality**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1396 Cat: A (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**OTHERS**

**R3-195954 E-UTRA-NR Cell-level Resource Coordination**

*Type: CR For: Agreement  
 38.470 v15.6.0 CR-0058 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Discussion:**

Nokia: This (i.e. what is described in the document) is how a good implementation should behave.

Huawei: Agree with Nokia that this is an implamentation related.

Ericsson: Why is it good for CLI-RIM and not good here ? CRs are technically endorsed and will be agreed for December specs

Huawei: This then should be Rel-16 not rel-15.

Huawei: Should it be a mandatory behavior for al vendors.

Ericsson: Sees no reasons why this should not be a rel-15.

Ericsson: No point of making it mandatory.

Nokia: there are reasons why this was made for CLI-RMI. We do not necessary need to have the same principle for rel-15. This is implementation dependant and the system is not broken. Thus do not see a need for a correction on rel-15.

Huawei: We can capture in the meeting minutes that It is common understanding in the group that: "GNB-CU can act as the coordinator to provide better performance or coordination."

Ericsson: It is not enough to just capture this in minutes. There is no technical reason why this should be handled in a different way as RIM.

Nokia: Maybe we can change CLI CRs.

Ericsson: Are we going to re-open agreements that were made 6 months ago to avoid a change to rel-15 ?

**Decision:** The document was **revised to R3-196258**.

**R3-196258 E-UTRA-NR Cell-level Resource Coordination**

*Type: CR For: Agreement  
 38.470 v15.6.0 CR-0058 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195954)

**Decision:** The document was **revised to R3-196286**.

**R3-196286 E-UTRA-NR Cell-level Resource Coordination**

*Type: CR For: Agreement  
 38.470 v15.6.0 CR-0058 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-196258)

**Decision:** The document was **agreed**.

**R3-196108 Summary of offline discussion on E-UTRA-NR Cell-level Resource Coordination**

*Type: discussion For: discussion  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

### 9.3 NR

**R3-195026 CR on RRC Reconfiguration**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0449 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**R3-195028 GTP-U Error cause for F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0451 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

#### 9.3.1 Correction of NAS Transparent Container

**R3-195335 Correction of NAS transparent container**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Discussion:**

qualcomm: We are still confused about what are we really fixing here ? No problem seen in the current spec.

Huawei: Our NG specs are not alligned with CT4 spec.

Qualcomm: there is no need to align. When there is a reference, you can go and read the reference.

Nokia: Would like to keep the reference to the IE naming.

Qualcomm: Agree to keep the IE names.

**Decision:** The document was **noted**.

**R3-195336 Correction of NAS transparent container**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0256 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196109**.

**R3-196109 Correction of NAS transparent container**

*Type: CR For: -  
 38.413 v15.5.0 CR-0256 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195336)

**Decision:** The document was **agreed**.

**R3-195163 NGAP NAS PDU clean up**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0246 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Discussion:**

merge in R3-196109

**Decision:** The document was **merged**.

#### 9.3.2 Corrections on PWS over F1

**R3-194982 Further corrections on PWS over F1**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-194983 CR on further corrections on PWS over F1 (Option 1)**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0444 Cat: F (Rel-15)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-194984 CR on further corrections on PWS over F1 (Option 2)**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0445 Cat: F (Rel-15)  
  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195894 Concurrent Broadcast of PWS Messages in Distributed Architecture**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

ZTE: Prefer option 2. Not reusing the current IE will make it clearer

Huawei: 1) For concurrent issue, sending two message is more straightforward. 2) For cancel issue, the same view as Ericsson and Samsung; but preference for Samsung proposal as it is more direct.

Samsung: the Notification Information IE is introduced for network sharing case. How to support the case overwriting to be awared by the receiving node in RAN sharing case

Ericsson: If no Notification Information IE in the non-sharing case, it could be used by the receiving node to ack.

Samsung: For RAN sharing case, it should be always there. There is no way for the DU to aware the overwriting case.

Ericsson: No limitation in spec that Notification Information IE is only used for network sharing. If you want to replace the previous message, send the new write-replace request. See in CT1 spec TS23.041

Samsung: The behaviour on replace messages will be different on network sharing and non-network sharing cases.

**Decision:** The document was **noted**.

**R3-195895 Addition of Message Identifier and Serial Number to PWS Cancel Request**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0479 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196251**.

**R3-196251 Addition of Message Identifier and Serial Number to PWS Cancel Request**

*Type: CR For: -  
 38.473 v15.7.0 CR-0479 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195895)

**Discussion:**

Nokia: Impact analysis is missing. Correct the WI code.

MCC: "review the clauses affected"

**Decision:** The document was **revised to R3-196259**.

**R3-196259 Addition of Message Identifier and Serial Number to PWS Cancel Request**

*Type: CR For: -  
 38.473 v15.7.0 CR-0479 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-196251)

**Decision:** The document was **agreed**.

**Agreement:**

**Add the Message Identifier and the Serial Number in the PWS Cancel Request message.**

**R3-196112 PWS over F1: Summary of offline discussion**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Samsung: is the Concurrent Warning Message Indication IE needed in the WRITE-REPLACE WARNING REQUEST message ? We need further checking.

**Decision:** The document was **noted**.

#### 9.3.3 Handling of CG-ConfigInfo over F1

**R3-196067 Clarification on the handling of CG-ConfigInfo over F1**

*Type: discussion For: Decision  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196068 Clarification on the handling of CG-ConfigInfo over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0483 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195995 Clarification on the handling of CG-ConfigInfo over F1**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195992 Clarification on the handling of CG-ConfigInfo over F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0413 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194143)

**Decision:** The document was **not treated**.

#### 9.3.4 Others

**TRANSPORT**

**R3-195904 Ambiguity in transport specs**

*Type: discussion For: Decision  
 Source: InterDigital, NTT DoCoMo*

**Discussion:**

Ericsson: Option B seems to be better.

Nokia: have the "s" between brackets on option B.

InterDigital, Ericsson: with "s" it can mean one or more.

Interdigital: Proposes to add this in Rel-16 clean-up.

38.412, 38.422, 38.472

==>

CRs are proposed in R3-196113, R3-196114, R3-196115

**Decision:** The document was **noted**.

**R3-196113 Ambiguity with multiple SCTP associations in 38.412**

*Type: CR For: Agreement  
 38.412 v15.3.0 CR-0012 Cat: F (Rel-15)  
  
 Source: InterDigital, NTT DoCoMo*

**Discussion:**

Agreed unseen

**Decision:** The document was **Agreed**.

**R3-196114 Ambiguity with multiple SCTP associations in 38.422**

*Type: CR For: Agreement  
 38.422 v15.3.0 CR-0008 Cat: F (Rel-15)  
  
 Source: InterDigital, NTT DoCoMo*

**Discussion:**

Agreed unseen

**Decision:** The document was **Agreed**.

**R3-196115 Ambiguity with multiple SCTP associations in 38.472**

*Type: CR For: Agreement  
 38.472 v15.5.0 CR-0017 Cat: F (Rel-15)  
  
 Source: InterDigital, NTT DoCoMo*

**Discussion:**

Agreed unseen

**Decision:** The document was **Agreed**.

**R3-195847 Use of SCTP ports for multiple TNLA.**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

**==>**

**In R15, there is no need to change the IANA port usage.**

**Decision:** The document was **noted**.

**BEARER TYPE**

**R3-195105 Discussion on the Need of Bearer Type IE in E1AP**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-15,TEI15

**Discussion:**

Nokia: In rel-15, we do not see anything broken. For Rel-16, we can discuss.

**Decision:** The document was **noted**.

**R3-195106 E1AP Transfer of Bearer Type IE from CU-CP to CU-UP for EN-DC**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0155 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,TEI15

**Decision:** The document was **noted**.

**IP VERSION**

**R3-195004 Independent migration to IPv6 on NG-U**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Discussion:**

Nokia: Not sure this is the good place to capture such detailed discreption. Maybe in SA2 specs.

Samsung: It is used by RAN, thus SA2 will not capture this in SA2 specs.

Huawei: Is ok with the motivation but 38.300 is not the good place. Maybe 37.340 seems a better place.

Ericsson: understands the motivation, but in 36.300 it was introduced becasue there were restriction. Here, tere is no restriction thus do not see the point of adding this.

Samsung: There is an ambiguity SMF and RAN node behavior.

Ericsson: Then maybe we need to clarfy it in SA2.

**Decision:** The document was **noted**.

**R3-195005 Independent migration to IPv6 on NG-U**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Samsung*

**Decision:** The document was **revised to R3-196248**.

**R3-196193 Independent migration to IPv6 on NG-U**

*Type: draftCR For: -  
 37.340 v15.7.0  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-196248 Independent migration to IPv6 on NG-U**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Samsung*

(Replaces R3-195005)

**Discussion:**

Nokia: The CR cover page mistankenly talks about SN and CU UP in the cover page.

Samsung: The cover page provides the scenario.

**Decision:** The document was **endorsed**.

**R3-196116 Summary of offline discussion on Independent migration to IPv6 on NG-U**

*Type: discussion For: discussion  
 Source: Samsung*

**Decision:** The document was **withdrawn**.

**R3-195201 Support for selection of the IP version**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: This was discussed in the past.

Nokia: It was discussed but not concluded.

Ericsson: Then we have the same comment. It is an OAM issue.

Nokia: Then we should and LS to SA5 so that they fix it.

Ericsson: They already solved it without LS.

Nokia: Not sure it is solved

==>

To be further checked with SA5 to see if there is any issue.

**Decision:** The document was **noted**.

**R3-195202 Detection of the IP version mismatch in data forwarding**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1363 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-194205)

**Decision:** The document was **noted**.

**R3-195203 Detection of the IP version mismatch in data forwarding**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0202 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-194206)

**Decision:** The document was **noted**.

**R3-194979 IP version mismatch cause F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0443 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-194980 IP version mismatch cause E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0143 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**OTHERS**

**R3-195099 Some Clarifications on RAN Sharing in Rel-15**

*Type: discussion For: Discussion  
 Source: China Telecommunications*

**Discussion:**

Huawei: Proposal1, the principal is ok. Proposal 2, it is already allowed in the current network. Proposal 3, X2 is already there, it is not certain if we need to introduce a new policy for this internface.

Nokia: Supports the proposal from samsung for proposal 1.

Ericsson: It depends on which node we are looking at.

Samsung: For NG-based HO, only one global gNB ID is reported to CN via one NG AP signalling. 5GC node can find the target node with the common principle.

Ericsson: do not see the problem

InterDigital: It is not to implement per PLMN.

Nokia: Since we need to support network sharing, multiple TNL endpoints is unavoidable. For EN-DC case, this function is only required in the en-gNB side.

Huawei: PLMN conception is different with TNL endpoints.

Nokia: In the network sharing case, there is the requirement that different TNL endpoints should be allocated per PLMN

Ericsson: it is fine to discuss multiple SCTP but not in the context on network sharing.

CATT: It is reasonable to support multiple SCTP association in EN-DC case.

Ericsson: Whether we support multiple SCTP on X2 is still not clear.

Nokia: The meeting when this was discussion the conclusion was not that we "exclude" X2, but rather we "postpone" the decision on X2.

**Decision:** The document was **noted**.

**R3-196117 Summary of Offline Discussion on NCGI Clarification**

*Type: discussion For: discussion  
 Source: Samsung*

**Abstract:**

There was no consensus on the solution during the offline discussion.

RAN3 needs to continue the discussion.

**Discussion:**

Qualcomm: differenciation of logical vs physical cells. This disappeared from the discussion. Are these the only two possible solutions ?

Ericsson: There are other more solutions.

Ericsson: This document does not reflect what actually discussed offline. What was discussed is if there is an issue and we need a solution for that or if there is no issue. Out view is that there is no issue. This should have been reflected.

Huawei: Routing is based on TAI and there is no issue with that. There is no problem. The question is if the uniqueness of the node id is broken and if it is the case is it a problem ?

Nokia: Our view is that there is an issue to solve.

Ericsson: Core routing is described, so there is no issue.

**Decision:** The document was **noted**.

**R3-195100 CR to 36.422 for Supporting mutiple SCTP assoication in EN-DC**

*Type: CR For: Approval  
 36.422 v15.1.0 CR-0030 Cat: B (Rel-15)  
  
 Source: China Telecommunications*

**Decision:** The document was **noted**.

**R3-195751 The clarfiction of NCGI defnition**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195522 Considerations on the need for multiple SCTP associations in X2**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: Multiple SCTP associations comes and has benefits from NFV scenarios. If it is introduced in EN-DC, the legacy eNB needs to be upgraded to support it. We need to weight pros vs cons.

Nokia: if virtualized CU-CP/UP case, then how to acheive the benefits from NFV for the EN-DC, without this new fnctionality?

Ericsson: The calability issues does not exist on the eNB side.

Telecom Italia: 1) beneficial or the virtualization scenario, but this is for implementation, and there is no limitation to enable this in eNB2) On the cardinality, we discusse the scenario the gNB-DU will connect with multiple eNBs.

Ericsson: the scalability discussed, the connection discussion is not over the control plan but over the user plane.

Intel: the confusion comes from the terminology "multiple associations". In the past it was resolved by using Multiple end-points.

**Decision:** The document was **noted**.

**R3-196119 Summary on the offline discussion on EN-DC Multiple-SCTP**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Proposal: It is proposed to further study the issue on how to enable the MeNB to use the new SCTP endpoint in the en-gNB-CU-CP when a new gNB-CU-CP instance is added for scaling. Two options can be considered

- Multiple SCTP

- Multi-homing

**Decision:** The document was **noted**.

**R3-195523 Support for Multiple SCTP**

*Type: CR For: (not specified)  
 36.422 v15.1.0 CR-0031 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195524 Support for Multiple SCTP**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1390 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195268 Discussion on the cases that AMF generates SM container**

*Type: discussion For: Agreement  
 Source: CATT,NEC*

**Discussion:**

Nokia: Don't want to change stage2 in TS38.410. Stage3 is enough

Huawei: Acknowledge the issue - is fine to have stage3 CR.

Ericsson: 38.410 change is not needed. Not confirmed with the motivation with new cause value.

Nokia: Whether we need new cause value? any cause value is valid. This is a special case.

Samsung: supports Nokia's CR.

CATT: is Fine to only capture this in stage3 and ok with Nokia's version. But for the cause value, it is not HO failure. From a spec point view, it would be better to have clear failure cause value.

Samsung: how to keep it precisely during HO procedure, the AMF just guess the reason.

Ericsson: "Partial HO" cause value can be used as well.

CATT: thinks we should try to introduce new cause value to make the procedure more proper.

**Decision:** The document was **noted**.

**R3-195348 Correction of Handover Command**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0261 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**R3-195269 Clarification on PDU session management function**

*Type: CR For: Agreement  
 38.410 v15.2.0 CR-0021 Cat: F (Rel-15)  
  
 Source: NEC, CATT*

**Decision:** The document was **noted**.

**R3-195270 Introduction of new cause value for 5GS to EPS handover**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0252 Cat: F (Rel-15)  
  
 Source: CATT, NEC*

**Decision:** The document was **noted**.

**R3-195271 LS on the cases that AMF generates SM container**

*Type: LS out For: Agreement  
 to CT4, cc SA2  
 Source: CATT*

**Discussion:**

Huawei: we support sending this LS.

Nokia: No strong view. Company coordination is enough.

Ericsson: There is no need to send an LS.

ZTE: No need to send the LS.

CATT: Supporting sending an LS to SA2 and CT4.

Samsung: No strong view, but not

CATT: Indeed and that's why we need to let know the other groups of what was decided.

Nokia: SA2 is already aligned with RAN3 on this.

**Decision:** The document was **noted**.

**R3-195079 CR37.340 to correct on avoidance of PCI confusion**

*Type: draftCR For: Agreement  
 37.340 v15.7.0  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195078 CR38.423 for correction on PCI confusion**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0159 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE*

(Replaces R3-193538)

**Decision:** The document was **noted**.

**R3-196120 PCI confusion: Summary of offline discussion**

*Type: discussion For: discussion  
 Source: ZTE*

**Abstract:**

After offline discussion, we provide the following observations and proposals.

Observation 1: In current TS38.423, for NGEN-DC and NR-DC deployment (i.e. S-NG-RAN is gNB), the PCell ID IE shall be included for avoiding PCell confusion.

Observation 2: In current TS38.423, for NE-DC deployment (i.e., S-NG-RAN is eLTE), it is not clear whether PCell ID IE is included for avoiding PCell confusion

Proposal 1: Removal of restriction on when SN is gNB, i.e., for NE-DC deployment (i.e., the S-NG-RAN is eLTE), the PCell ID shall also be included to avoid PCI confusion.

**Discussion:**

ZTE: Conclusion is to discuss this for future releases not the current release.

**Decision:** The document was **noted**.

**R3-195107 Clarification of PScell Info/Data Volume Report when MR-DC is Stopped**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-15,NR\_newRAT

**Discussion:**

Nokia: The observation is logical, but the original request comes from SA2.

ZTE: SA2 intended to introduce the feature based on RAN3 input.

Ericsson: Agree with the observation, however the current spec is ok as is.

Huawei: Also agrees with the observation. There is a conflict in 38.331.

**==>**

**RAN3 agrees that the current spec reflects EN-DC state from UE perspective.**

**Decision:** The document was **noted**.

**R3-195262 S1AP Corrections of PScell Info&Data Volume Report in EN-DC**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1716 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,TEI15

**Decision:** The document was **noted**.

**R3-195263 X2AP Corrections of PScell Info&Data Volume Report in EN-DC**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1386 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,TEI15

**Decision:** The document was **noted**.

**R3-195264 NGAP Corrections of PScell Info&Data Volume Report in MR-DC@5GC**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0251 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,TEI15

**Decision:** The document was **noted**.

**R3-195197 Critical correction to the presence of the SgNB UE X2AP ID in the SgNB Release Request Reject**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1346 rev 2 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-194608)

**Discussion:**

Ericsson: we prefer the original version

**Decision:** The document was **noted**.

**R3-196254 Correction of the presence of the SgNB UE X2AP ID in the SgNB Release Request Reject**

*Type: draftCR For: Agreement  
 36.423 v15.7.0  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195198 Bearer reconfiguration during a HO with EN-DC**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195199 SN Status Transfer for bearer reconfiguration during HO with EN-DC**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1380 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195200 SN Status Transfer for bearer reconfiguration during HO with DC**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0236 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195314 Discussion on Handover Decision in EN-DC scenario**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-193691)

**Decision:** The document was **noted**.

**R3-195322 Correction of SN Status Transfer during HO with DC**

*Type: draftCR For: Endorsement  
 37.340 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Related to discussion in R3-195198.

**Discussion:**

Intel: Ok to endorse the document, but there is a missing step 5C in the figure.

ZTE: Support the draft CR.

==> add the missing step 5C in the figure.

**Decision:** The document was **revised to R3-196260**.

**R3-196260 Correction of SN Status Transfer during HO with DC**

*Type: draftCR For: Endorsement  
 37.340 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195322)

**Discussion:**

endorsed unseen

**Decision:** The document was **endorsed**.

**R3-196121 Summary of a discussion on bearer reconfiguration during a HO with EN-DC**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

It is proposed to note as agreed:

- RAN3 agrees to select either of the two solutions from the summary at the next meeting (RAN3 #106).

- In case of a HO with EN-DC configured, the source MeNB shall include all E-RABs of the UE in the HO REQ, irrespectively of the hosting point.

In order to enable possible data forwarding towards the target MeNB, all SN-terminated E-RABs shall be listed. If the “UE context keep” indicator is included, the SgNB shall maintain the EN-DC config acknowledged to the target MeNB for this UE.

- Possible indication of the EN-DC configuration in case of a HO with SN change will be discussed at RAN3 #106.

It is proposed to endorse R3-195322.

**Discussion:**

- RAN3 agrees to select either of the two solutions from the summary at the next meeting (RAN3 #106).

- In case of a HO with EN-DC configured, the source MeNB shall include all E-RABs of the UE in the HO REQ, irrespectively of the hosting point.

In order to enable possible data forwarding towards the target MeNB, all SN-terminated E-RABs shall be listed. If the “UE context keep” indicator is included, the SgNB shall maintain the EN-DC config acknowledged to the target MeNB for this UE.

- Possible indication of the EN-DC configuration in case of a HO with SN change will be discussed at RAN3 #106.

**Decision:** The document was **noted**.

**R3-195222 Clarification on the usage of Offered GBR QoS Flow Information IE**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0214 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194436)

**Discussion:**

Nokia: Does it concern both GBR and Non-GBR bearers cases ?

Huawei: Yes.

Nokia: Have a concern about the NON-GBR bearers.

ZTE: This is not essential.

**Decision:** The document was **revised to R3-196122**.

**R3-196122 Clarification on the usage of Offered GBR QoS Flow Information IE**

*Type: CR For: -  
 38.423 v15.5.0 CR-0214 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195222)

**Discussion:**

Ericsson: we would like to clarify if Non-GBR can be offered.

Huawei: No need to specify non-GBR.

Ericsson: this is not our view. It is also important to specify for non-GBR.This can be done by one of two ways: 1) Procedure text to reflect Non-GBR, 2) add an explicit IE.

Huawei: Not sure how can option 2 work.

Huawei: We can seperate the two issues. Agree for GBR and continue discussion for Non-GBR.

Ericsson: We prefer to discuss both together.

Nokia, Huawei: This IE is for "GBR quality of service".

Huawei : Preference is to separate the discussion.

Ericsson: They are related. Take both discussion together.

**Decision:** The document was **revised to R3-196261**.

**R3-196261 Clarification on the usage of Offered GBR QoS Flow Information IE**

*Type: CR For: -  
 38.423 v15.5.0 CR-0214 rev 3 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-196122)

**Decision:** The document was **revised to R3-196298**.

**R3-196298 Clarification on the usage of Offered GBR QoS Flow Information IE**

*Type: CR For: -  
 38.423 v15.5.0 CR-0214 rev 4 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-196261)

**Decision:** The document was **not treated**.

**R3-195228 Correction to trace function in MR-DC**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0237 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

MCC: Tick the correct "Proposed change affects:" box.

MCC: Tick the correct "Other specs affected." box.

Ericsson: Ok with the CR but some corrections are needed to align ith X2.

Nokia: Would this work in the split architecture ? We need to check.

ZTE: not sure if this need to be a rel-15 or Rel-16.

Nokia: maybe this is not a correction and thus should be rel-16.

**Decision:** The document was **revised to R3-196123**.

**R3-196123 Correction to trace function in MR-DC**

*Type: CR For: -  
 38.423 v15.5.0 CR-0237 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195228)

**Discussion:**

MCC: Impact Analysis not needed for rel-16 CR at this stage.

**Decision:** The document was **revised to R3-196262**.

**R3-196262 Trace function in MR-DC**

*Type: CR For: -  
 38.423 v15.5.0 CR-0237 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196123)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195244 Support of delta configuration during the SN release procedure**

*Type: discussion For: Approval  
 Source: Huawei*

**Discussion:**

Nokia: In case of MN intiated release, should the MN inform the SN if it needs delta config?

Huawei: Agree

Ericsson: What is the scenarios ?

Nokia: Agree with the CR as it is.

ZTE: supports the CR from Huawei.

Ericsson: we need to first discuss the scenarios. If there are no scenario then no need to introduce IE.

**Decision:** The document was **noted**.

**R3-195223 Support of delta configuration in EN-DC**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1326 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194432)

**Decision:** The document was **revised to R3-196124**.

**R3-196124 Support of delta configuration in EN-DC**

*Type: CR For: -  
 36.423 v15.7.0 CR-1326 rev 3 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195223)

**Discussion:**

NEC: Still have concerns on the "If the SGNB RELEASE REQUEST ACKNOWLEDGE …." addition.

Nokia: For "The en-gNB shall, if supported, include the information at the SgNB to MeNB Container IE in the SGNB RELEASE REQUIRED message" use the same wording as other changes.

NTT Docomo: Disagree with Nokia. Prefer current wording.

Nokia: Postpone this discussion then until next meeting to allow for further check.

Agreement:

The container will be included in the release message. Details are FFS.

**Decision:** The document was **noted**.

**R3-195239 Support of delta configuration in MR-DC**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0131 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194433)

**Decision:** The document was **revised to R3-196125**.

**R3-196125 Support of delta configuration in MR-DC**

*Type: CR For: -  
 38.423 v15.5.0 CR-0131 rev 3 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195239)

**Decision:** The document was **noted**.

**R3-195247 Correction on the rejection of SN release request**

*Type: draftCR For: Approval  
 37.340 v15.7.0  
 Source: Huawei*

**Discussion:**

ZTE: There is no need for a stage 2 clarification. Stage 3 is sufficiently clear.

Nokia: This is not essential

**Decision:** The document was **noted**.

**R3-195248 Interaction between the SN release and SN change procedures**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1383 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

Ericsson: this can be left to implementation.

Nokia: Not needed.

CATT: MN initiated should be prioritized. We support the clarification.

**Decision:** The document was **noted**.

**R3-195249 Interaction between the SN release and SN change procedures**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0240 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195261 Misalignment between tabular and ASN.1**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0244 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

This is not backward compatible change.

Nokia: The section should be voided. Not removed.

Ericsson: The CR is agreeable but editorial should go to the rapporteur CR in the next meeting.

MCC: The IE duplicated do not exist on the latest spec.

**Decision:** The document was **revised to R3-196126**.

**R3-196126 Misalignment between tabular and ASN.1**

*Type: CR For: -  
 38.423 v15.5.0 CR-0244 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195261)

**Decision:** The document was **agreed**.

**R3-195316 Discussion on default paging DRX cycle reporting**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

Nokia: Acknowledge the problem but the CR does not solve it.

Ericsson: The issue was discussed for F1, and the conclusion was to leave it up to implementation.

**Decision:** The document was **noted**.

**R3-195317 CR on default paging DRX cycle reporting**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0254 Cat: F (Rel-15)  
  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195320 Discussion on Cell Deactivation Indication upon Xn Setup**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

Ericsson: we do not think this is an essential correction.

**Decision:** The document was **noted**.

**R3-195321 CR on Cell Deactivation Indication upon Xn Setup**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0247 Cat: F (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195332 Transmission order of UE level NAS-PDU and PDU session NAS-PDU**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Discussion:**

Nokia: This have been discussed several times before. Nothing needs to be done.

Huawei: CT1 informed us that one single messages can include multiple NAS PDUs. How NG-RAN should perform?

CATT: UE and PDU session level can be included. 331 description is not clear to us.

ZTE: Agrees with CATT. The Issue needs to be solved in RAN2. If anything needs to be done in RAN3, STAGE2 should be enough.

Ericsson: Invites companies to Check R3-192073. UE level PDU should always be sent to UE first. There is nothing to be done at this point.

Qualcomm: Agrees with discussion before. Possible to have some further check offline.

Nokia: CRs brought by Huawei is not compatible. Not to open this discussion again.

Samsung: Share same view with Qualcomm

Huawei: Sequence Number? Some clarification are needed.

Whether the NG-RAN node can include two different level of NAS PDUs in one RRC reconfiguration message?

CATT: RAN2 answer is yes.

**Decision:** The document was **noted**.

**R3-195333 Transmission order of UE level NAS-PDU and PDU session NAS-PDU**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195334 Transmission order of UE level NAS-PDU and PDU session NAS-PDU**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0255 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195339 Procedural texts on backup AMF name**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0257 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

Huawei: Normally, we describe the behaviour in the receieving node

Ericsson: suggest to simply refer to TS23.501. This reduces the complexity of maintaining the TSs.

Nokia: For option IE in response message, the behaviour should have been described in the opposite node. See in Section 4.1.

**Decision:** The document was **noted**.

**R3-195921 Enable inclusion of the Backup AMF Name IE**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0276 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196128**.

**R3-196128 Enable inclusion of the Backup AMF Name IE**

*Type: CR For: -  
 38.413 v15.5.0 CR-0276 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195921)

**Discussion:**

Nokia: "the NG-RAN node stores it and uses it for later AMF reselction when needed" should be the same wording as the one in 8.7.6.2 related to NG-RAN behavior.

MCC: review the list of "Clauses affected" in the cover page.

**Decision:** The document was **revised to R3-196264**.

**R3-196264 Enable inclusion of the Backup AMF Name IE**

*Type: CR For: -  
 38.413 v15.5.0 CR-0276 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-196128)

**Discussion:**

agreed unseen

**Decision:** The document was **agreed**.

**R3-195340 Missing procedural texts for NG interface**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0258 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

Ericsson: CR is not needed.

Nokia: Some parts are needed.

**Decision:** The document was **revised to R3-196168**.

**R3-196168 Missing procedural texts for NG interface**

*Type: CR For: -  
 38.413 v15.5.0 CR-0258 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195340)

**Decision:** The document was **agreed**.

**R3-195341 Clarification on PDU session ID for 5g to 4g handover**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Discussion:**

Samsung: 23.502 clarifies that all PDU sessions shall be included

ZTE, Nokia: Agree with Samsung

**Decision:** The document was **noted**.

**R3-195342 Clarificaiton on PDU session ID for 5g to 4g handover**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0259 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195343 Clarification on the same PDU session ID**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0260 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

Ericsson: Not needed. The specification is clear as it is.

Nokia: agrees with Ericsson.

**Decision:** The document was **noted**.

**R3-195406 Discussion on NR restriction problem**

*Type: discussion For: (not specified)  
 Source: KDDI Corporation*

**Discussion:**

Huawei: See cases where this can be needed. Ok with the general principle.

Nokia: Acknowledge the scenario.

CATT: Acknowledge the scenario, however not sure the solution proposed solves the problem.

==>

RAN3 acknowledges the scenario. CRs to be presented in the next meeting

**Decision:** The document was **noted**.

**R3-195408 Removal of Requested P-MaxFR2**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0459 Cat: F (Rel-15)  
  
 Source: Huawei*

**Discussion:**

Nokia: why not remove it in rel-15?

Huawei: It can be done if it is agreeable by the group.

Ericsson: It is Safer to have the way Huawei proposed it now.

Samsung: support the current proposal from Huawei.

**Decision:** The document was **revised to R3-196169**.

**R3-196169 Removal of Requested P-MaxFR2**

*Type: CR For: -  
 38.473 v15.7.0 CR-0459 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-195408)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195479 Correction to UL data forwarding**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0252 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

This CR is not backward compatible.

Nokia: Acknowledges the problem. Trying to find a backward compatible solution. Such solution is proposed in R3-196127.

**Decision:** The document was **revised to R3-196170**.

**R3-196170 Correction to UL data forwarding**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0252 rev 1 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

(Replaces R3-195479)

**Discussion:**

NEC: The Tabular for "UL forwarding" IE is not aligned with ASN1.

Qualcomm: Correct

**Decision:** The document was **revised to R3-196276**.

**R3-196276 Correction to UL data forwarding**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0252 rev 2 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

(Replaces R3-196170)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-196127 Response to R3-195479**

*Type: discussion For: discussion  
 38.423 v..  
 Source: Nokia*

**Discussion:**

Nokia: backward compatible alternative to CR in R3-195479.

Samsung: prefer the Qualcomm proposal.

**Decision:** The document was **noted**.

**R3-195514 Correction on Transaction ID in Error Indication Procedure**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0164 Cat: F (Rel-15)  
  
 Source: NEC*

**Discussion:**

Ericsson: It should be a mandatory IE. It took a lot of time to get here. Preference is not to change it.

Nokia: discussed long time ago and this is what we came up with. No need to change.

**Decision:** The document was **noted**.

**R3-195515 Correction on Transaction ID in Error Indication Procedure**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0464 Cat: F (Rel-15)  
  
 Source: NEC*

**Decision:** The document was **noted**.

**R3-195516 Correction to SN Status Transfer considering PDCP version change**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1364 rev 1 Cat: F (Rel-15)  
  
 Source: Google Inc.*

(Replaces R3-194222)

**Discussion:**

Ericsson: isn't stage 2 already sufficient?

Google: in stage 3, We only talk about HO before.

Ericsson: Stage 2 is already quite detailed.

Intel: how is PDCP version change related to SN transfer?

Nokia: PDCP change need further discussion. Other correction can be captured by rapporteur or revise this CR and only keep this change.

Huawei: leave editorial change to rapporteur

**==>**

**Spec rapporteur to check “source eNB or en-gNB”**

**PDCP version change issue is to be continued**

**Decision:** The document was **noted**.

**R3-195517 Correction to SN Modification Request in lower layer re-establishment**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0204 rev 1 Cat: F (Rel-15)  
  
 Source: Google Inc.*

(Replaces R3-194228)

**Decision:** The document was **noted**.

**R3-195660 Correction about gNB-CU System Information IE**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0318 rev 3 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194364)

**Discussion:**

Samsung: "not used" should be changed to "shall be ignored".

Huawei: this is explained elsewhere.

Ericsson: this is only described in the semantics.

**Decision:** The document was **revised to R3-196174**.

**R3-196174 Correction about gNB-CU System Information IE**

*Type: CR For: -  
 38.473 v15.7.0 CR-0318 rev 4 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195660)

**Discussion:**

Samsung: SIB9 is still applicable. This should be mentionned above the tabular.

Ericsson: These are normally described in semantic description. We can't simply say Values 6, 7 and 8 are not applicabel because this range goes until 32.

Huawei: For only only have to care 6, 7 and 9. Other values 10 and above we do not know.

Nokia: Same comment as Huawei.

Samsung: Only defined 9 SIBs.

**Decision:** The document was **revised to R3-196277**.

**R3-196277 Correction about gNB-CU System Information IE**

*Type: CR For: -  
 38.473 v15.7.0 CR-0318 rev 5 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-196174)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195705 Clarification on Initial UL RRC Message Transfer procedure**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0472 Cat: F (Rel-15)  
  
 Source: ZTE*

**Discussion:**

Nokia: which information from msg3 is needed?

ZTE: Establishment cause.

Samsung: it is only used for initial access.

Ericsson: can't establishment cause value be guessed? Do we need the whole msg3?

CATT: can we include two RRC messages in one container?

Nokia: may be good to include the whole msg3.

Samsung: acknowledge the scenario, but the solution doesn't work.

**Decision:** The document was **revised to R3-196180**.

**R3-196180 Clarification on Initial UL RRC Message Transfer procedure**

*Type: CR For: -  
 38.473 v15.7.0 CR-0472 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE*

(Replaces R3-195705)

**Discussion:**

**Agreement:**

**RAN3 agrees to add RRC-container**

**Decision:** The document was **noted**.

**R3-195707 Discussion on SCell failure in CU-DU deployment**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Discussion:**

Samsung: failure case is known by CU.

Nokia: agrees with Samsung. CU is in control of adding and removing cells.

**Decision:** The document was **noted**.

**R3-195708 Support SCell removal from gNB-DU to gNB-CU for TS38.470**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0056 Cat: F (Rel-15)  
  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195709 Support SCell removal from gNB-DU to gNB-CU for TS38.473**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0473 Cat: F (Rel-15)  
  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195716 CR to 38.463 on Cause Value correction**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0169 Cat: F (Rel-15)  
  
 Source: ZTE*

**Discussion:**

Ericsson: We need to have a backward compatible solution.

Nokia: This is not backward compatible and Nothing is broken in the current spec.

**Decision:** The document was **noted**.

**R3-195717 CR to 38.473 on Cause Value correction**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0474 Cat: F (Rel-15)  
  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195752 Correction on the DL forwarding for MeNB terminated bearer in SgNB initiated SgNB Release**

*Type: draftCR For: (not specified)  
 36.423 v15.7.0  
 Source: Samsung*

**Discussion:**

This Should be a CR, not draftCR

revised to a formal CR

**Decision:** The document was **revised to R3-196182**.

**R3-196182 Correction on the DL forwarding for MeNB terminated bearer in SgNB initiated SgNB Release**

*Type: CR For: -  
 36.423 v15.7.0 CR-1398 Cat: F (Rel-15)  
  
 Source: Samsung*

(Replaces R3-195752)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195753 Correction on the data forwarding in S-NG-RAN initiated S-NG-RAN Release**

*Type: draftCR For: (not specified)  
 38.423 v15.5.0  
 Source: Samsung*

**Discussion:**

This Should be a CR, not draftCR

revised to a formal CR

**Decision:** The document was **revised to R3-196183**.

**R3-196183 Correction on the data forwarding in S-NG-RAN initiated S-NG-RAN Release**

*Type: CR For: -  
 38.423 v15.5.0 CR-0266 Cat: F (Rel-15)  
  
 Source: Samsung*

(Replaces R3-195753)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195844 Correction on DRB ID co-ordination between MN and SN**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0063 rev 4 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194386)

**Discussion:**

ZTE: Without the CR, traget node cannot use DRB ID ?

Ericsson: No, we need explicit signalling for that.

CATT: The principle is fine.

**Decision:** The document was **revised to R3-196185**.

**R3-196185 Correction on DRB ID co-ordination between MN and SN**

*Type: CR For: -  
 38.423 v15.5.0 CR-0063 rev 5 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195844)

**Decision:** The document was **revised to R3-196281**.

**R3-196281 Correction on DRB ID co-ordination between MN and SN**

*Type: CR For: -  
 38.423 v15.5.0 CR-0063 rev 6 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-196185)

**Decision:** The document was **agreed**.

**R3-195893 DRB ID co-ordination between MN and SN**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Ericsson*

**Discussion:**

Huawei: there is no strong need for this.

ZTE: The last bullet is needed.

Intel: Stage 2 is needed.

Nokia: It may be beneficial

**Decision:** The document was **revised to R3-196184**.

**R3-196184 DRB ID co-ordination between MN and SN**

*Type: draftCR For: -  
 37.340 v15.7.0  
 Source: Ericsson*

(Replaces R3-195893)

**Decision:** The document was **not treated**.

**R3-195873 Additional Corrections on QoS flow re-mapping before handover**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195845 Data forwarding and QoS flow remapping**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0209 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194389)

**Discussion:**

Nokia: The stage 3 CR touche an IE introduced in another CR (overlap of the two CRs).

Huawei: The original Text is clear. No need for this CR.

**Decision:** The document was **revised to R3-196252**.

**R3-196252 Data forwarding and QoS flow remapping**

*Type: CR For: -  
 38.423 v15.5.0 CR-0209 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195845)

**Discussion:**

Huawei: There is conflict with R3-196170. Also change is not needed. The previous wording is clear enough.

Nokia: understands the intention but is not comfortable with the Text.

**Decision:** The document was **noted**.

**R3-195874 Correction of QoS flow re-mapping before handover**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Ericsson*

**Discussion:**

Intel: we need to further check.

Huawei: There are too many details.

**Decision:** The document was **revised to R3-196186**.

**R3-196186 Correction of QoS flow re-mapping before handover**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Ericsson*

(Replaces R3-195874)

**Decision:** The document was **revised to R3-196279**.

**R3-196279 Correction of QoS flow re-mapping before handover**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Ericsson*

(Replaces R3-196186)

**Discussion:**

endorsed unseen

**Decision:** The document was **endorsed**.

**R3-195848 Clarify the inter-system handover case**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0274 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Discussion:**

Nokia: Proposal is not correct. There is no need for Inter-system HO.

Ericsson: Something is needed (otherwise there are problems). Wording can be improved.

CATT: Stage-2 describes the procedure clearly.

Huawei: Same view as CATT

**Decision:** The document was **noted**.

**R3-195024 On CellGroupConfig handling**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0447 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: some clarifications may be needed.

**Decision:** The document was **revised to R3-196187**.

**R3-196187 On CellGroupConfig handling**

*Type: CR For: -  
 38.473 v15.7.0 CR-0447 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195024)

**Decision:** The document was **agreed**.

**R3-195896 Add the missing dynamic port support**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0262 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**R3-195965 UL Data Split Threshold correction**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0174 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196038 Clarifications on SCell lists**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0482 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196069 Cause value for “Multiple DRB ID Instances” and “Unknown DRB ID” (Huawei)**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0484 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196070 CR to 38.473 on transfering systemInformationAreaID and areaScope over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0485 Cat: F (Rel-15)  
  
 Source: Huawei, CATT*

**Decision:** The document was **not treated**.

**R3-196071 CR to 38.473 inactivity monitoring stop indication over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0486 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196072 CR to 38.463 inactivity monitoring stop indication over E1**

*Type: CR For: Approval  
 38.463 v15.5.0 CR-0176 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196073 CR to 38.473 on MeasGapSharingConfig**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0487 Cat: F (Rel-15)  
  
 Source: Huawei, CATT*

**Decision:** The document was **not treated**.

**R3-194981 Bearer type change to SN terminated MCG bearer cause**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0144 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195022 Correction to DRB to Setup**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0147 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195023 Maximum number of NR-CGI**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0148 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: 512 is there for a reason.

Verizon: No need to limit to 512.

CATT: it is needed for centralized CU-UP.

**Decision:** The document was **revised to R3-196250**.

**R3-196250 Maximum number of NR-CGI**

*Type: CR For: -  
 38.463 v15.5.0 CR-0148 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195023)

**Discussion:**

MCC: Why did the CR number change from 0148 to 0157 (in the cover page)?

**Decision:** The document was **noted**.

**R3-195025 Support of some DRBs to be released**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0448 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195027 GTP-U Error cause for F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0450 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195029 GTP-U Error cause for E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0149 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195170 Correction of AMF Set ID**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195171 Correction of AMF Set ID**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0232 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195240 Maximum number of NRCGI (Option 2)**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0157 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195349 Correction of coding of S-NSSAI**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: Only reference to 23.003 is needed.

Huawei: Prefer solution 2.

**Decision:** The document was **noted**.

**R3-195350 Correction of coding of S-NSSAI**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0262 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196188**.

**R3-196188 Correction of coding of S-NSSAI**

*Type: CR For: -  
 38.413 v15.5.0 CR-0262 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195350)

**Decision:** The document was **agreed**.

**R3-195351 Correction of coding of S-NSSAI**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0249 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196189**.

**R3-196189 Correction of coding of S-NSSAI**

*Type: CR For: -  
 38.423 v15.5.0 CR-0249 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195351)

**Decision:** The document was **agreed**.

**R3-195352 Correction of coding of S-NSSAI**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0158 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196190**.

**R3-196190 Correction of coding of S-NSSAI**

*Type: CR For: -  
 38.463 v15.5.0 CR-0158 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195352)

**Decision:** The document was **agreed**.

**R3-195353 Correction of coding of S-NSSAI**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0458 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196191**.

**R3-196191 Correction of coding of S-NSSAI**

*Type: CR For: -  
 38.473 v15.7.0 CR-0458 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195353)

**Decision:** The document was **agreed**.

**R3-195651 Correction of Port Number IE in tabular**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0269 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**PURE STAGE 2**

**R3-195511 Inter-gNB-DU mobility using MCG SRB procedure**

*Type: discussion For: Decision  
 Source: NEC, NTT DOCOMO Inc.*

**Decision:** The document was **not treated**.

**R3-195512 Inter-gNB-DU mobility using MCG SRB procedure**

*Type: CR For: Agreement  
 38.401 v15.6.0 CR-0089 Cat: F (Rel-15)  
  
 Source: NEC, NTT DOCOMO Inc.*

**Decision:** The document was **not treated**.

**R3-195680 Necessity on path switch request for inter MN HO without SN change**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC.*

(Replaces R3-193370)

**Decision:** The document was **not treated**.

**R3-195681 CR on Clarification on path switch request for inter MN HO without SN change**

*Type: draftCR For: Endorsement  
 37.340 v15.7.0  
 Source: NTT DOCOMO, INC.*

(Replaces R3-193371)

**Decision:** The document was **not treated**.

**R3-195525 Discussion on TNLA binding update**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195526 Clarification on TNLA binding update**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0090 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195652 Correction of S-NSSAI presence**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0047 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194144)

**Decision:** The document was **not treated**.

**R3-195653 Procedure description on optional IEs in CU to DU RRC information IE**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0079 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194150)

**Decision:** The document was **not treated**.

**R3-195367 Discussion on overall procedure for some DRBs to be released**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195368 Support of some DRBs to be released**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0086 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195224 Slice availability issue in RRC resume for inactive UE (Huawei)**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195225 CR to 38.300 for Slice availability issue in RRC resume for inactive UE**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195226 Serving AMF change in RRC reestablishment**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195227 CR to 38.300 for Serving AMF change in RRC reestablishment**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195242 Clarification on rejection for the SN terminated bearer**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195243 Correction on the rejection for the SN terminated bearer**

*Type: draftCR For: Approval  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195302 Discussion on definition of gNB and ng-eNB**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-193677)

**Decision:** The document was **not treated**.

**R3-195303 CR on definition of gNB and ng-eNB**

*Type: draftCR For: Approval  
 38.300 v15.7.0  
 Source: CATT*

(Replaces R3-193678)

**Decision:** The document was **not treated**.

**R3-195498 Addition of Activity Notification Control**

*Type: other For: Approval  
 37.340 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195372 Consolidate Rel-15 Behaviors of RRC\_Inactive with MR-DC@5GC**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-15,NR\_newRAT

**Decision:** The document was **not treated**.

**R3-195373 Stage2 Clarifications for RRC\_Inactive with MR-DC@5GC**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: ZTE*

**Abstract:**

DraftCR, Rel-15,NR\_newRAT

**Decision:** The document was **not treated**.

**R3-195405 Some Residual Issues with Secondary RAT DVR**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-15,TEI15

**Decision:** The document was **not treated**.

**R3-195407 Stage2 Various Clarifications of Secondary RAT DVR Behaviors**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: ZTE*

**Abstract:**

DraftCR, Rel-15,TEI15

**Decision:** The document was **not treated**.

**R3-195706 Clarification on Network sharing**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0095 Cat: F (Rel-15)  
  
 Source: ZTE*

**Decision:** The document was **revised to R3-196181**.

**R3-196181 Clarification on Network sharing**

*Type: CR For: -  
 38.401 v15.6.0 CR-0095 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE*

(Replaces R3-195706)

**Decision:** The document was **noted**.

**R3-195714 Support of Network Sharing with RRC Resume**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195715 Support of Network Sharing with RRC Resume for TS38.401**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0096 Cat: F (Rel-15)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195245 Bearer type change without anchor change**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195246 Clarification on bearer type change without anchor change**

*Type: draftCR For: Approval  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195337 Enforcement of UP integrity protection**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195338 Enforcement of UP integrity protection**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195518 Correction to RRC reestablishment**

*Type: CR For: Agreement  
 38.401 v15.6.0 CR-0058 rev 2 Cat: F (Rel-15)  
  
 Source: Google Inc.*

(Replaces R3-194234)

**Decision:** The document was **not treated**.

**R3-195519 Correction to RRC Inactive transition**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0045 rev 3 Cat: F (Rel-15)  
  
 Source: Google Inc.*

(Replaces R3-194233)

**Decision:** The document was **not treated**.

**R3-195520 Correction to MR-DC with 5GC with RRC\_INACTIVE**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Google Inc.*

(Replaces R3-194230)

**Discussion:**

Ericsson: It is already covered.

Nokia: Support the change.

**Decision:** The document was **revised to R3-196172**.

**R3-196172 Correction to MR-DC with 5GC with RRC\_INACTIVE**

*Type: draftCR For: -  
 37.340 v15.7.0  
 Source: Google Inc.*

(Replaces R3-195520)

**Decision:** The document was **endorsed**.

**R3-195521 Clarification on SN Status Transfer on PDCP termination point change**

*Type: draftCR For: Agreement  
 37.340 v15.7.0  
 Source: Google Inc.*

(Replaces R3-194232)

**Decision:** The document was **not treated**.

**R3-195066 Correction on the usage of SN Reconfiguration Completion**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195067 CR37340 for correction on the usage of SN Reconfiguration Completion**

*Type: draftCR For: Agreement  
 37.340 v15.7.0  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195168 Correction of NG connection in MR DC**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195169 Correction of NG connection in MR DC**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195589 Discussion on correction over Iuant series 37**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195590 Correction for Iuant**

*Type: CR For: Agreement  
 37.460 v15.1.0 CR-0001 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194257)

**Decision:** The document was **not treated**.

**R3-195591 Correction for Iuant**

*Type: CR For: Agreement  
 37.462 v15.1.0 CR-0001 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194258)

**Decision:** The document was **not treated**.

**R3-195592 Correction for Iuant**

*Type: CR For: Agreement  
 37.466 v15.4.0 CR-0001 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces R3-194259)

**Decision:** The document was **not treated**.

**R3-195872 Data forwarding and QoS flow remapping**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0275 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**R3-196253 Summary of offline discussions for CB#13**

*Type: discussion For: discussion  
 Source: Ericsson*

**Abstract:**

After offline discussion among 4 companies,

- all 4 companies agree that approach b) is backwards compatible

- 2 companies prefer approach b) due to that reason, as outlined in the draft CR in R3-196254

- 2 companies would still like to go with the CR submitted in R3-195197

**Discussion:**

NEC: Not convinced about the backward compatibility by the solution in R3-196254.

NEC: prefer Nokia's version of the CR with some modification of the wording.

Ericsson: Does not agree to that.

**Decision:** The document was **noted**.

## 10 SON/MDT Support for NR WI (RAN3-led)

### 10.1 General

**R3-194929 Reply LS on L1 and L2 measurements**

*Type: LS in For: Discussion  
 Original outgoing LS: S5-195941, to -, cc -  
 Source: 3GPP SA5*

**Decision:** The document was **noted**.

**R3-194918 Reply LS on radio resource management policy**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911791, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-194953 BLCR for TS 38.413 for support of SON on NGAP**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0237 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194769)

**Decision:** The document was **endorsed (BL)**.

**R3-194954 Addition of Mobility Robustness Optimization**

*Type: CR For: Agreement  
 36.413 v15.7.0 CR-1710 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194770)

**Decision:** The document was **endorsed (BL)**.

**R3-194958 38.300 BLCR for introducing NR SON features**

*Type: draftCR For: Approval  
 38.300 v15.7.0  
 Source: CMCC,Huawei*

(Replaces R3-194776)

**Discussion:**

- Version in the Cover is wrong

**Decision:** The document was **endorsed (BL)**.

**R3-194973 BLCR for TS 38.423 for support of SON**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0221 rev 3 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R3-194806)

**Decision:** The document was **endorsed (BL)**.

**R3-194955 Addition of Load Sharing and Load Balancing Optimisation**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0142 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194772)

**Decision:** The document was **endorsed (BL)**.

**R3-194956 Addition of Load Sharing and Load Balancing Optimisation**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0441 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194773)

**Decision:** The document was **endorsed (BL)**.

**R3-194957 Addition of Load Sharing and Load Balancing Optimisation**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1373 rev 2 Cat: B (Rel-16)  
  
 Source: CATT*

(Replaces R3-194775)

**Decision:** The document was **endorsed (BL)**.

**R3-195832 Updated work plan for SON and MDT WI**

*Type: Work Plan For: Decision  
 Source: CMCC*

**Decision:** The document was **noted**.

**BL CRs updates after the meeting:**

**R3-196329 BLCR for TS 38.413 for support of SON on NGAP**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0237 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194953)

**Decision:** The document was **endorsed (BL)**.

**R3-196311 Addition of Mobility Robustness Optimization**

*Type: CR For: Agreement  
 36.413 v15.7.0 CR-1710 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194954)

**Decision:** The document was **endorsed (BL)**.

**R3-196313 38.300 BLCR for introducing NR SON features**

*Type: draftCR For: Approval  
 38.300 v15.7.0  
 Source: CMCC,Huawei*

(Replaces R3-194958)

**Decision:** The document was **endorsed (BL)**.

**R3-196314 BLCR for TS 38.423 for support of SON**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0221 rev 4 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R3-194973)

**Decision:** The document was **endorsed (BL)**.

**R3-196315 Addition of Load Sharing and Load Balancing Optimisation**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0441 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194956)

**Decision:** The document was **endorsed (BL)**.

**R3-196312 Addition of Load Sharing and Load Balancing Optimisation**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1373 rev 3 Cat: B (Rel-16)  
  
 Source: CATT*

(Replaces R3-194957)

**Decision:** The document was **endorsed (BL)**.

### 10.2 Signaling Support for SON

#### 10.2.1 Mobility Robustness Optimization

**Intra-system and inter-system connection failure**

**R3-195409 (TP for SON BL CR for TS 38.300): MRO**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **noted**.

**R3-196010 Intra-system MRO – Transferring RLF related information via Xn and NG interface**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195723 MRO Connection failure due to intra system mobility**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-196002 Inter System MRO – transferring RLF related information via NG interface**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195727 MRO Connection failure due to intrer system mobility**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195725 MRO intra system HetNET depolyment**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195996 Xn Signalling for Accessibility Measurement**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**Agreements:**

**- In failure indication over Ng, include the RLF report**

**- HO report procedure over NG and S1 shall be supported**

**Agreements:**

**- For the connection failure due to intra-system mobility, add the description about how to use the failure indication message and HO report in case of RRC re-establishment and RLF report**

**- For the connection failure due to intra-system mobility, add the description about retrieval of information needed for problem analysis. The description of LTE is the baseline.**

**R3-196156 (TP for SON BL CR for TS 36.413): MRO**

*Type: other For: discussion  
 36.413 v..  
 Source: Huawei*

**Decision:** The document was **agreed**.

**R3-196157 (TP for SON BL CR for TS 38.300): MRO**

*Type: other For: discussion  
 38.300 v..  
 Source: Samsung*

**Decision:** The document was **agreed**.

**SN change failure**

**R3-195017 Discussion for SN change failure**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195018 TP for the solution of SN change failure**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195019 Discussion for Successful HO report in MRO features**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195020 NGAP impacts for Successful HO report in MRO features**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195021 TP for the solutions to transfer Successful handover report**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195284 Consideration on support of Inter-system unnecessary HO and Inter-system ping-pong**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195285 (TP for SON BL CR on 36.413)Support of Inter-system unnecessary HO**

*Type: other For: Agreement  
 36.413 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195286 (TP for SON BL CR on 38.300)Support for Mobility Robustness Optimization for NR**

*Type: other For: Agreement  
 38.300 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195287 (TP for SON BL CR on 38.413)Support of Inter-system unnecessary HO**

*Type: other For: Agreement  
 38.413 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195288 (TP for SON BL CR on 38.423)Support of Inter-system pingpong**

*Type: other For: Agreement  
 38.423 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195289 Consideration on support of SN change failure in case of MR-DC**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195290 (TP for SON BL CR on 36.423)Support of Optimization on SN change failure**

*Type: other For: Agreement  
 38.423 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195291 (TP for SON BL CR on 38.423)Support of Optimization on SN change failure**

*Type: other For: Agreement  
 36.423 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195292 Enhancement of UE history information**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195293 (TP forSON BL CR on 38.413)Enhancement of UE history information**

*Type: other For: Agreement  
 38.413 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195294 (TP for SON BL CR on 38.423)Enhancement of UE history information**

*Type: other For: Agreement  
 38.423 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195410 [draft] LS on RLF reporting**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195411 (TP for SON BL CR for TS 38.413): MRO**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **revised to R3-196155**.

**R3-196155 (TP for SON BL CR for TS 38.413): MRO**

*Type: other For: -  
 38.413 v..  
 Source: Huawei*

(Replaces R3-195411)

**Decision:** The document was **agreed**.

**R3-195412 (TP for SON BL CR for TS 38.423): MRO**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195413 (TP for SON BL CR for TS 38.300): additional MRO features**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **noted**.

**R3-195414 (TP for SON BL CR for TS 38.413): additional MRO features**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195415 (TP for SON BL CR for TS 38.423): additional MRO features**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195416 Support of SON**

*Type: draftCR For: (not specified)  
 36.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195417 Support of SON**

*Type: CR For: (not specified)  
 38.410 v15.2.0 CR-0022 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195418 Support of SON**

*Type: CR For: (not specified)  
 38.420 v15.2.0 CR-0015 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195419 (TP for SON BL CR for TS 38.300) UE reported history information**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195420 (TP for SON BL CR for TS 38.423) UE reported history information**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195421 (TP for SON BL CR for TS 38.413) UE reported history information**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195422 (TP for SON BL CR for TS 38.413) UE history information recorded by SN in MR-DC**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195423 (TP for SON BL CR for TS 38.423) UE history information recorded by SN in MR-DC**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195424 (TP for SON BL CR for TS 36.423) UE history information recorded by SN in EN-DC**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**UE reported mobility history**

**R3-195480 UE mobility history report**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195481 Value of successful HO report**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195482 Inter-RAT RLF Report**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195620 Stage2 CR for Mobility Settings Change**

*Type: other For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195719 Detection solution for SN change failure**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195720 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)Detection solution for SN change failure**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195724 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)MRO Connection failure due to intra system mobility**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195726 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)MRO intra system HetNET depolyment**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195728 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)MRO Connection failure due to inter system mobility**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195729 (TP for [NR\_SON\_MDT] BL CR for TS 38.413)MRO Connection failure due to inter system mobility**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195730 Leftover scenarios for NR-LTE inter system mobility failure**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195731 MRO Inter system ping pong**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **noted**.

**Agreement:**

**- Unnecessary HO from NR to E-UTRAN is supported, E-UTRAN to NG-RAN is not supported in Rel16**

**Agreement:**

**NG-RAN to E-UTRAN ping-pong (and vice versa) shall be supported, including ng-eNB**

**R3-195732 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)MRO Inter system ping pong**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195733 (TP for [NR\_SON\_MDT] BL CR for TS 38.413)MRO Inter system ping pong**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195734 MRO Inter system ping pong in TS36.300**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195735 MRO Inter system ping pong in TS36.423**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**Inter-system Ping Pong and unnecessary HO**

**R3-195736 MRO Unnecessary HO to another System**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195737 (TP for [NR\_SON\_MDT] BL CR for TS 38.413)MRO Unnecessary HO to another System**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195738 (TP for [NR\_SON\_MDT] BL CR for TS 38.300)MRO Unnecessary HO to another System**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195739 MRO Unnecessary HO to another System in TS36.300**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195740 MRO Unnecessary HO to another System in TS36.413**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**CU-DU aspects for MRO**

**R3-195838 CU-DU impact for mobility robustness optimization**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195978 On F1 transfer of the UE RLF report for MRO**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195997 Signalling of RLF information between gNB-CU and gNB-DU**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195998 Handling of RLF in the gNB-DU**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195999 Signalling of RLF Report to gNB-DU**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196000 Introduction of CEF Report support**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196001 Signalling of Connection Establishment Failure from gNB-CU to gNB-DU**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196003 Inter System Unnecessary Handover Configuration**

*Type: other For: (not specified)  
 36.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196004 Inter-system Unnecessary HO**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196005 Inter System Unnecessary Handover Configuration**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196006 Inter System Unnecessary HO**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196007 Inter System Mobility Robustness Optimization**

*Type: other For: (not specified)  
 36.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196008 Inter System Mobility Robustness Optimization**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196009 Inter System Mobility Robustness Optimization**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196011 Intra System Mobility Robustness Optimization**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196012 Intra System Mobility Robustness Optimization**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196158**.

**R3-196158 (TP for BL for 38.423) Intra System Mobility Robustness Optimization**

*Type: other For: -  
 38.423 v..  
 Source: Ericsson*

(Replaces R3-196012)

**Discussion:**

Huawei: in HO procedure text, change "Failure cell" to "target cell".

Ericsson: Agree. also need to change "InterRAT ping-pong" to "InterSystem ping-pong".

**Decision:** The document was **revised to R3-196266**.

**R3-196266 (TP for BL for 38.423) Intra System Mobility Robustness Optimization**

*Type: other For: -  
 38.423 v..  
 Source: Ericsson*

(Replaces R3-196158)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**Successful HO report**

**R3-196057 On the Use Case of Beam Measurement upon Successful Handover,**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196058 On the Use Case of RLM Related Information upon a Successful Handover**

*Type: discussion For: (not specified)  
 Source: Ericsson*

(Replaces R3-194285)

**Decision:** The document was **not treated**.

#### 10.2.2 Mobility Load Balancing

**R3-195295 Discussion on MLB for NR**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-193591)

**Decision:** The document was **not treated**.

**R3-195296 (TP for SON BL CR on 38.300)Support on MLB**

*Type: other For: Approval  
 36.300 v..  
 Source: CATT*

(Replaces R3-193592)

**Decision:** The document was **not treated**.

**R3-195297 (TP for SON BL CR on 38.423)Support on MLB**

*Type: other For: Approval  
 38.423 v..  
 Source: CATT*

(Replaces R3-193593)

**Decision:** The document was **not treated**.

**R3-195298 (TP for SON BL CR on 38.473)Support on MLB**

*Type: other For: Approval  
 38.463 v..  
 Source: CATT*

(Replaces R3-193595)

**Decision:** The document was **not treated**.

**R3-195299 (TP for SON BL CR on 38.463)Support on MLB**

*Type: other For: Approval  
 38.473 v..  
 Source: CATT*

(Replaces R3-193594)

**Decision:** The document was **not treated**.

**Agreement:**

**CAC shall be supported on F1, Xn, X2**

**Agreement:**

**TNL load for F1 and E1**

**MLB for MR-DC**

**R3-195300 Discussion on MLB for DC scenario**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-193596)

**Decision:** The document was **not treated**.

**R3-195301 (TP for SON BL CR on 38.423)Support on MLB for EN-DC scenario**

*Type: other For: Approval  
 36.423 v..  
 Source: CATT*

(Replaces R3-193597)

**Decision:** The document was **not treated**.

**R3-195374 Load information exchange via Xn and F1**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195375 (TP for NR\_SON\_MDT BL CR for TS 38.423) Load information exchange via Xn**

*Type: other For: (not specified)  
 38.423 v..  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195377 (TP for NR\_SON\_MDT BL CR for TS 38.473) Load information exchange via F1**

*Type: other For: (not specified)  
 38.473 v..  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195425 Support of SON**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0088 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195426 Support of SON**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0052 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195427 (TP for SON BL CR for TS 38.300): MLB**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **noted**.

**R3-195428 (TP for SON BL CR for TS 38.423): MLB**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195429 (TP for SON BL CR for TS 36.423): MLB**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195430 (TP for SON BL CR for TS 38.463): MLB**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195431 (TP for SON BL CR for TS 38.473): MLB**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195432 (TP for SON BL CR for TS 38.300): MLB - mobility settings change**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195433 (TP for SON BL CR for TS 38.423): MLB - mobility settings change**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**Inter-system MLB**

**R3-195434 Inter-system load reporting in MLB**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195435 CR to 36.300 for Inter-system load reporting in MLB**

*Type: draftCR For: (not specified)  
 36.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195436 (TP for SON BL CR for TS 38.300): Inter-system load reporting in MLB**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195437 (TP for SON BL CR for TS 36.413): Inter-system load reporting in MLB**

*Type: other For: (not specified)  
 36.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195438 (TP for SON BL CR for TS 38.413): Inter-system load reporting in MLB**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195643 Consideration on Beam Level Load for MLB**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **noted**.

**R3-195644 Further Discussion on Load Information Reporting for MLB**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195645 [TP for BL CR for TS 36.423] Addition of Load Sharing and Load Balancing Optimisation**

*Type: other For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195646 [TP for BL CR for TS 38.300] Addition of Load Sharing and Load Balancing Optimisation**

*Type: other For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195647 CR on Addition of Load Sharing and Load Balancing Optimisation on 38.420**

*Type: CR For: (not specified)  
 38.420 v15.2.0 CR-0016 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195648 CR on Addition of Load Sharing and Load Balancing Optimisation on 38.460**

*Type: CR For: (not specified)  
 38.460 v15.4.0 CR-0026 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195649 CR on Addition of Load Sharing and Load Balancing Optimisation on 38.470**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0055 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**MLB for Xn/X2/F1/E1**

**R3-195678 Adding number of active UEs in load reporting**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC.*

**Decision:** The document was **noted**.

**R3-195835 Mobility load balancing**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195836 38.300 CR for MLB**

*Type: other For: Approval  
 38.300 v..  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195837 On Per SSB Load Reporting**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **noted**.

**R3-195979 Load information on E1 and F1 interfaces**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195980 [TP for BL CR for TS 38.473] Signalling of overload information per slice**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195981 [TP for BL CR for TS 38.473] Addition of load information on F1**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195982 [TP for BL CR for TS 38.463] Addition of load information on E1**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195983 Reporting of spatial load distribution of cells**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**Load for spatial distribution**

**R3-196013 Further discussion on limitations of cell-level load reporting in load balancing**

*Type: discussion For: (not specified)  
 Source: Ericsson, NTT DOCOMO, INC*

**Decision:** The document was **revised to R3-196139**.

**R3-196139 Further discussion on limitations of cell-level load reporting in load balancing**

*Type: discussion For: -  
 Source: Ericsson, NTT DOCOMO, INC, Verizon Wireless*

(Replaces R3-196013)

**Decision:** The document was **noted**.

**R3-196014 Per SSB load reporting for load balancing in NG RAN**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196140**.

**R3-196140 Per SSB load reporting for load balancing in NG RAN**

*Type: discussion For: -  
 Source: Ericsson, Verizon Wireless*

(Replaces R3-196014)

**Decision:** The document was **noted**.

**R3-196015 Discussion on potential issues related to SSB load calculation**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196141**.

**R3-196141 Discussion on potential issues related to SSB load calculation**

*Type: discussion For: -  
 Source: Ericsson, Verizon Wireless*

(Replaces R3-196015)

**Decision:** The document was **noted**.

**R3-196016 Enhancements to resource status reporting for MLB in NR**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196142**.

**R3-196142 Enhancements to resource status reporting for MLB in NR**

*Type: discussion For: -  
 Source: Ericsson, Verizon Wireless*

(Replaces R3-196016)

**Decision:** The document was **noted**.

**R3-196017 Support for information on spatial load distribution**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson, NTT DOCOMO, INC*

**Decision:** The document was **revised to R3-196143**.

**R3-196143 Support for information on spatial load distribution**

*Type: other For: -  
 38.300 v..  
 Source: Ericsson, NTT DOCOMO, INC, Verizon Wireless*

(Replaces R3-196017)

**Decision:** The document was **revised to R3-196160**.

**R3-196160 Support for information on spatial load distribution**

*Type: other For: -  
 38.300 v..  
 Source: Ericsson, NTT DOCOMO, INC, Verizon Wireless*

(Replaces R3-196143)

**Decision:** The document was **withdrawn**.

**R3-196018 Support for information on spatial load distribution over Xn**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson, NTT DOCOMO, INC*

**Decision:** The document was **revised to R3-196144**.

**R3-196144 Support for information on spatial load distribution over Xn**

*Type: other For: -  
 38.423 v..  
 Source: Ericsson, NTT DOCOMO, INC, Verizon Wireless*

(Replaces R3-196018)

**Decision:** The document was **not treated**.

**R3-196019 Introduction of load information over E1AP**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196020 Addition on load information over E1**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196021 Support for information on spatial load distribution over F1**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson, NTT DOCOMO, INC*

**Decision:** The document was **revised to R3-196145**.

**R3-196145 Support for information on spatial load distribution over F1**

*Type: other For: -  
 38.473 v..  
 Source: Ericsson, NTT DOCOMO, INC, Verizon Wireless*

(Replaces R3-196021)

**Decision:** The document was **not treated**.

**R3-196022 Load Balancing in DC scenarios**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196025 Addition of Mobility Setting Change procedure**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196026 On the use cases and required F1 signaling for RACH optimization at gNB-DU**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195619 Mobility Settings Change procedure for MRO/MLB**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-196036 Mobility Settings Change procedure for NG RAN**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196159 Summary of offline discussion on MLB metrics**

*Type: discussion For: discussion  
 Source: NTT Docomo*

**Decision:** The document was **noted**.

**R3-196161 Load report per slice – Summary of offline discussion**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell, Huawei*

**Decision:** The document was **noted**.

**R3-196162 (TP for SON BL CR for TS 38.473): MLB**

*Type: other For: Agreement  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **revised to R3-196267**.

**R3-196267 (TP for SON BL CR for TS 38.473): MLB**

*Type: other For: Agreement  
 38.473 v..  
 Source: Huawei*

(Replaces R3-196162)

**Discussion:**

Agree unseen

**Decision:** The document was **agreed**.

**R3-196163 (TP for SON BL CR for TS 38.463): MLB for E1**

*Type: other For: Agreement  
 38.300 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

- change "TNL Load" to "TNL available capacity"

**Decision:** The document was **revised to R3-196268**.

**R3-196268 (TP for SON BL CR for TS 38.463): MLB for E1**

*Type: other For: Agreement  
 38.300 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-196163)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-196164 (TP for SON BL CR for TS 38.423): Support for Information on Spatial Load distributino over Xn**

*Type: other For: Agreement  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**R3-196165 (TP for SON BL CR on 36.423) Support on MLB for EN-DC scenario**

*Type: other For: Agreement  
 36.423 v..  
 Source: CATT*

**Decision:** The document was **revised to R3-196269**.

**R3-196269 (TP for SON BL CR on 36.423) Support on MLB for EN-DC scenario**

*Type: other For: Agreement  
 36.423 v..  
 Source: CATT*

(Replaces R3-196165)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

#### 10.2.3 RACH Optimization

**R3-195101 RACH Optimization Enhancement for NR**

*Type: discussion For: Discussion  
 Source: China Telecommunications*

**Decision:** The document was **agreed**.

**R3-195102 CR to 36.423 for Supporting PRACH Configuration exchange in EN-DC**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1376 Cat: B (Rel-16)  
  
 Source: China Telecommunications*

**Decision:** The document was **not treated**.

**R3-195103 CR to 38.423 for Supporting PRACH Configuration exchange**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0228 Cat: B (Rel-16)  
  
 Source: China Telecommunications*

**Decision:** The document was **not treated**.

**RACH optimization**

**R3-195304 Discussion on PRACH coordination**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-194547)

**Decision:** The document was **revised to R3-196118**.

**R3-196118 Discussion on PRACH coordination**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-195304)

**Decision:** The document was **noted**.

**R3-195305 (TP for SON BL CR on 38.300)support on PRACH coordination**

*Type: other For: Approval  
 38.300 v..  
 Source: CATT*

(Replaces R3-193680)

**Decision:** The document was **not treated**.

**R3-195306 (TP for SON BL CR on 36.423)support on PRACH coordination**

*Type: other For: Approval  
 36.423 v..  
 Source: CATT*

(Replaces R3-193681)

**Decision:** The document was **not treated**.

**R3-195307 (TP for SON BL CR on 38.423)support on PRACH coordination**

*Type: other For: Approval  
 38.423 v..  
 Source: CATT*

(Replaces R3-193682)

**Decision:** The document was **not treated**.

**R3-195308 (TP for SON BL CR on 38.473)support on PRACH coordination**

*Type: other For: Approval  
 38.473 v..  
 Source: CATT*

(Replaces R3-193683)

**Decision:** The document was **not treated**.

**R3-195309 LS on PRACH coordination**

*Type: LS out For: Approval  
 to RAN1, RAN2  
 Source: CATT*

(Replaces R3-193684)

**Discussion:**

Nokia: there is more than conflect detection.

**Decision:** The document was **revised to R3-196166**.

**R3-196166 LS on PRACH configuration conflict detection**

*Type: LS out For: Approval  
 to RAN1, RAN2  
 Source: CATT*

(Replaces R3-195309)

**Discussion:**

Ericsson: The LS should be sent To RAN1 and cc RAN2. This a physical issue.

CATT: RAN2 also needs to know the parameters on RRC.

Samsung: RAN2 decided which parameters to be exchanged.

Nokia: It is important to show clear intention to get feedback from RAN1. RAN1 understands the real physical problem behind.

Ericsson: The physical layer is the issue.

Huawei, CMCC: No strong view but have a slight preference to send it to RAN2 as well.

Nokia: Put the last sentence of the bullet into a seperate bullet point.

**Decision:** The document was **revised to R3-196270**.

**R3-196270 LS on PRACH configuration conflict detection**

*Type: LS out For: Approval  
 to RAN1, RAN2  
 Source: CATT*

(Replaces R3-196166)

**Discussion:**

Approved unseen

**Decision:** The document was **approved**.

**R3-195541 (TP for SON BL CR for TS 38.300): RACH Optimisation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195542 (TP for SON BL CR for TS 38.401): RACH Optimisation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195543 (TP for SON BL CR for TS 38.423): RACH Optimisation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195544 (TP for SON BL CR for TS 38.470): RACH Optimisation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195545 (TP for SON BL CR for TS 38.473): RACH Optimisation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**Configuration conflicts for RACH optimization**

**R3-195741 RACH report for NR RACH optimization**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195742 RACH report for NR RACH optimization in TS38.473**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195839 TP to 38.300 on support of RACH optimization**

*Type: other For: Approval  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195985 RACH optimization in split architecture**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195986 RACH parameter communication over Xn**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-196023 Stage 2 description for RACH Optimisation solution**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196024 RACH Optimisation solution over F1**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196027 PRACH Configuration parameters over Xn and F1 interface**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196028 Draft LS on PRACH Configuration IE to be exchanged among NG-RAN nodes**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

merged in R3-196166

**Decision:** The document was **merged**.

**R3-196029 Signalling of RACH Report from gNB-CU to gNB-DU**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196030 Solution for RACH Optimization in NG-RAN**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196060 Solution for RACH Optimisation over the Xn**

*Type: other For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 10.2.4 PCI Selection

**R3-195558 (TP for SON BL CR for TS 38.300): PCI selection**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195559 (TP for SON BL CR for TS 38.401): PCI selection**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195560 (TP for SON BL CR for TS 38.473): PCI selection**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196031 Discussion and Solution for Centralised PCI Selection**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196032 Discussion and Solution for Distributed PCI Selection**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196033 Discussion and solution on PCI Reconfiguration**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 10.2.5 Energy Saving

### 10.3 Signaling Support for Minimization of Drive Testing

**R3-195012 Discussion for management based MDT in split RAN**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195013 F1AP impacts for management based MDT**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0446 Cat: B (Rel-16)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195014 E1AP impacts for management based MDT**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0146 Cat: B (Rel-16)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195546 Introduction of MDT to NG-RAN**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0267 Cat: B (Rel-16)  
  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195547 Introduction of MDT to NG-RAN**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0254 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195548 Introduction of MDT to NG-RAN**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0091 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195549 Introduction of MDT to NG-RAN**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0465 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195550 Introduction of MDT to NG-RAN**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0165 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**MDT activation and reporting**

**R3-195551 MDT configuration for immediate MDT and logged MDT**

*Type: discussion For: (not specified)  
 Source: Huawei, LGU+*

**Decision:** The document was **noted**.

**R3-195552 (TP for MDT BL CR for TS 38.413): MDT configuration for immediate MDT and logged MDT**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **revised to R3-196167**.

**R3-196167 (TP for MDT BL CR for TS 38.413): MDT configuration for immediate MDT and logged MDT**

*Type: other For: -  
 38.413 v..  
 Source: Huawei*

(Replaces R3-195552)

**Decision:** The document was **revised to R3-196271**.

**R3-196271 MDT configuration for immediate MDT and logged MDT**

*Type: CR For: -  
 38.413 v.. CR-0280 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196167)

**Decision:** The document was **endorsed (BL)**.

**R3-195743 NR MDT user consent and multiple PLMN**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195744 MDT activation and User consent and multiple PLMN in TS38.413**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195745 MDT activation and User consent and multiple PLMN in TS38.423**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195746 MDT activation and User consent and multiple PLMN in TS38.463**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195747 MDT activation and User consent and multiple PLMN in TS38.473**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195849 Proposals on Agreements and way forward on MDT**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195850 MDT configuration support for XnAP**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195851 MDT configuration support for NGAP**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195852 MDT configuration support for E1AP**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195853 MDT Configuration support for F1AP**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195854 MDT M5 Measurement Reporting**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**Agreements:**

**Signaling based logged MDT configuration inlcudes following paramters (NG):**

* **MDT mode configuraton, i.e., logged MDT only;**
* **Area scope of MDT, inculding cell list of E-CGI or N-CGI, TAC list of serving PLMN, TAI list, and PLMN wide; (may need to be updated pending RAN2 discussion)**
* **Logging interval;**
* **Logging duration;**
* **Bluetooth Measurment Configuration;**
* **WLAN Measuremnet Configuration;**

**Signalling based immediate MDT configuration includes following parameters (NG):**

* **MDT mode configuration: immediate MDT only, immediate MDT and trace;**
* **Area scope of MDT, inculding cell list of E-CGI or N-CGI, TAC list of serving PLMN, TAI list, and PLMN wide; (may need to be updated pending RAN2 discussion)**
* **MDT location information, enumarated type;**
* **Signaling based MDT PLMN List.**

**NG-RAN receives the management based MDT allowed information in the NG Initial Context Setup Request message. The management based MDT allowed information includes the Management Based MDT Allowed indication and optionally the Management Based MDT PLMN List.**

**R3-195984 Measurement upload to the TCE**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 10.3.1 Logged MDT

**R3-195272 Discussion on MDT configuration for EN-DC scenario**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195273 (TP on BL CR for 36.413)Support of MDT configuration for EN-DC**

*Type: other For: Agreement  
 36.413 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195274 (TP on BL CR for 36.423)Support of MDT configuration for EN-DC**

*Type: other For: Agreement  
 36.423 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195275 Discussion on signalling based MDT configuration for Split RAN**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195483 Management based MDT configuration for RRC\_INACTIVE**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195484 Signaling based MDT configuration for RRC\_INACTIVE**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195553 (TP for MDT BL CR for TS 38.423): Support of MDT for RRC\_INACTIVE UEs**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195721 MDT activation for INACTIVE&IDLE mode UE**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195722 MDT activation for INACTIVE\_IDLE mode UE CR for TS38.413**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

#### 10.3.2 Immediate MDT

**R3-195485 MDT configuration and reporting for MR-DC**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195554 (TP for MDT BL CR for TS 38.401): MDT data reporting in split RAN**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195555 (TP for MDT BL CR for TS 38.473): MDT data reporting in split RAN**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195556 (TP for MDT BL CR for TS 38.463): MDT data reporting in split RAN**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195557 (TP for MDT BL CR for TS 38.423):MDT in MR-DC**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

#### 10.3.3 Specification of Layer 2 Measurements

**R3-195097 Discussion on QoS Monitoring in GTP-U**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195098 Support of QoS Monitoring in GTP-U**

*Type: CR For: Approval  
 38.415 v15.2.0 CR-0009 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195241 Support of per UE per QoS Flow level QoS Monitoring**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0250 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195253 NG-U delay measurement for QoS monitoring**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195561 Discussion on L2 measurement**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195562 (TP for MDT BL CR for TS 38.463): L2 measurement**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195563 (TP for MDT BL CR for TS 38.473): L2 measurement**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196034 Buffered PDCP throughput measurement computation**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196035 Draft LS on the feasibility of buffered PDCP throughput computation**

*Type: LS out For: (not specified)  
 to RAN2, SA5  
 Source: Ericsson*

**Decision:** The document was **not treated**.

## 11 Multi-RAT Dual Connectivity and Carrier Aggregation Enhancements WI

### 11.1 General

### 11.2 Support for Efficient Cell Setup

**R3-195496 Fast SN activation in handover to EN-DC**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Huawei: thinks this is in RAN2 scope. In RAN2, inter-RAT HO case is not supported.

Qualcomm: at least proposal 1 can be discussed in RAN3.

ZTE, Ericsson: same view as Huawei.

**Decision:** The document was **noted**.

**R3-195254 Considerations on support of RRC\_INACTIVE**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195255 SN resume during the RRCResume procedure**

*Type: draftCR For: Approval  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195256 SN resume during the RRCResume procedure**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0242 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195855 Resuming SCG in RRC Resume**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195856 Resuming SCG in RRC Resume**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1391 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195857 Resuming SCG in RRC Resume**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0259 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195906 Resuming SCG in RRC Resume**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Ericsson*

**Decision:** The document was **noted**.

### 11.3 Support for Fast Link Recovery

**R3-194922 LS on Fast MCG Link Recovery using SRB3**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911847, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195068 Discussion on Fast MCG Link Recovery using SRB3**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195069 CR37.340 for Fast MCG Link Recovery using SRB3**

*Type: draftCR For: Agreement  
 37.340 v15.7.0  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195070 CR36.423 for Fast MCG Link Recovery using SRB3**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1375 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195071 CR38.423 for Fast MCG Link Recovery using SRB3**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0226 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195072 [Draft] Reply LS on Fast MCG Link Recovery using SRB3**

*Type: other For: Agreement  
 Source: ZTE*

**Discussion:**

Huawei: We are generaly ok, however there are no CR. Do we need to reply now?

**==>**

**RAN3 aimes to reply in the next meeting**

**Decision:** The document was **noted**.

**R3-195217 Support for MCGFailureInformation delivery over SRB3**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195495 MCG failure indication**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195276 Discussion on fast recovery procedure**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195277 ( CR for TS 36.423)Support of MCG fast recovery**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1388 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195278 ( CR for TS 38.423)Support of MCG fast recovery**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0246 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195257 Fast MCG link Recovery with SRB3 and split SRB1**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195258 Fast MCG link Recovery with SRB3 and split SRB1**

*Type: draftCR For: Approval  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195259 Fast MCG link Recovery with SRB3**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1385 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195260 Fast MCG link Recovery with SRB3**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0243 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195858 MCG failure recovery**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195859 MCG failure recovery**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1392 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195860 MCG failure recovery**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0260 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195195 Discussion on RAN3 Impact of Fast MCG Link Recovery Using SRB3**

*Type: discussion For: Decision  
 Source: China Telecommunications*

**Decision:** The document was **withdrawn**.

**Agreement:**

**In X2AP and XnAP, the RRC TRANSFER is updated to carry the MN RRC messages MCGFailureInformation (addressed to MN) and RRC Reconfiguration or RRC Release (addressed to UE).**

### 11.4 Others

## 12 eNB(s) Architecture Evolution for E-UTRAN and NG-RAN WI (RAN3-led)

### 12.1 General Principles, Functions, and Procedures for CU-DU Interface

### 12.2 Signaling Transport for CU-DU Interface

**R3-196084 pCR to 37.472 on miscelleneous corrections**

*Type: pCR For: Approval  
 37.472 v0.1.0  
 Source: Huawei, China Unicom, TIM*

**Decision:** The document was **revised to R3-196134**.

**R3-196134 pCR to 37.472 on miscelleneous corrections**

*Type: pCR For: Approval  
 37.472 v0.1.0  
 Source: Huawei, China Unicom, TIM, Orange*

(Replaces R3-196084)

**Discussion:**

NTT Docomo: will multiple STCP associations be supported?

Huawei: we don't know. It is not supported as for now

**Decision:** The document was **agreed**.

### 12.3 Application Protocol for CU-DU Interface

**R3-196085 pCR on RRC transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, TIM*

**Decision:** The document was **revised to R3-196135**.

**R3-196135 pCR on RRC transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, TIM, Orange*

(Replaces R3-196085)

**Discussion:**

Ericsson: Some RRC message transfer are missing.

Huawei: Have we agreed to have it ?

Samsung: Type in "9.x2.y2.2 ng-NB-DU UE W1AP ID" ==> "9.x2.y2.2 ng-eNB-DU UE W1AP ID"

**Decision:** The document was **revised to R3-196192**.

**R3-196192 pCR on RRC transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, TIM, Orange*

(Replaces R3-196135)

**Discussion:**

agreed unseen

**Decision:** The document was **agreed**.

**R3-196086 pCR on PWS transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom*

**Decision:** The document was **revised to R3-196136**.

**R3-196136 pCR on PWS transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, Orange*

(Replaces R3-196086)

**Decision:** The document was **agreed**.

**R3-196087 pCR on paging transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, TIM*

**Decision:** The document was **revised to R3-196137**.

**R3-196137 pCR on paging transfer over W1**

*Type: pCR For: Approval  
 37.473 v0.1.0  
 Source: Huawei, China Unicom, TIM, Orange*

(Replaces R3-196087)

**Decision:** The document was **agreed**.

**R3-196088 pCR to 37.470 on miscelleneous corrections**

*Type: pCR For: Approval  
 37.470 v0.1.0  
 Source: Huawei, China Unicom, TIM*

**Decision:** The document was **revised to R3-196138**.

**R3-196138 pCR to 37.470 on miscelleneous corrections**

*Type: pCR For: Approval  
 37.470 v0.1.0  
 Source: Huawei, China Unicom, TIM, Orange*

(Replaces R3-196088)

**Discussion:**

Ericsson: It is observed that this WI is consistently (for several meetings) under-using its allocated Time Unit. Other work was bloqued at the plenary arguing that work load for this WI.

**Decision:** The document was **agreed**.

Ericsson: It is observed that this WI is consistently (for several meetings) under-using its allocated Time Unit. Other work was bloqued at the plenary arguing that work load for this WI.

### 12.4 Others

## 13 Integrated Access and Backhaul for NR WI

### 13.1 General

**R3-195470 IAB workplan update**

*Type: Work Plan For: Information  
 Source: Qualcomm Inc (Rapporteur)*

(Replaces R3-193560)

**Decision:** The document was **noted**.

**R3-194932 BL CR to 38.470: Support for IAB**

*Type: CR For: Endorsement  
 38.470 v15.6.0 CR-0026 rev 6 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-193347)

**Decision:** The document was **endorsed (BL)**.

**R3-194942 BL CR to 36.423: Support for IAB**

*Type: CR For: Endorsement  
 36.423 v15.7.0 CR-1303 rev 6 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R3-194688)

**Decision:** The document was **endorsed (BL)**.

**R3-194966 BL CR to 36.413: Support for IAB**

*Type: CR For: Endorsement  
 36.413 v15.7.0 CR-1661 rev 5 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194799)

**Decision:** The document was **endorsed (BL)**.

**R3-194967 BL CR to 38.401: Support for IAB**

*Type: CR For: Endorsement  
 38.401 v15.6.0 CR-0033 rev 11 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194800)

**Decision:** The document was **endorsed (BL)**.

**R3-194968 BL CR to 38.413: Support for IAB**

*Type: CR For: Endorsement  
 38.413 v15.5.0 CR-0063 rev 5 Cat: B (Rel-16)  
  
 Source: Nokia Shanghai Bell*

(Replaces R3-194801)

**Decision:** The document was **endorsed (BL)**.

**R3-194969 BL CR to 38.473: Support for IAB**

*Type: CR For: Endorsement  
 38.473 v15.7.0 CR-0285 rev 6 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194802)

**Discussion:**

Samsung: 9.3.1.45, the editor's Note is not the same as the one agreed.

Ericsson: this is the consequence of group agreement in R4-194692.

Huawei: R4-194692 has a different wording

**Decision:** The document was **revised to R3-196198**.

**R3-196198 BL CR to 38.473: Support for IAB**

*Type: CR For: Endorsement  
 38.473 v15.7.0 CR-0285 rev 7 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194969)

**Decision:** The document was **endorsed (BL)**.

**R3-194943 draftCR TS 38.300 Mapping of Uplink Traffic to Backhaul RLC Channels**

*Type: draftCR For: Discussion  
 38.300 v15.7.0  
 Source: Ericsson*

(Replaces R3-194693)

**Decision:** The document was **endorsed (BL)**.

**BL CRs updates after the meeting:**

**R3-196305 BL CR to 36.423: Support for IAB**

*Type: CR For: Endorsement  
 36.423 v15.7.0 CR-1303 rev 7 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R3-194942)

**Decision:** The document was **endorsed (BL)**.

**R3-196304 BL CR to 36.413: Support for IAB**

*Type: CR For: Endorsement  
 36.413 v15.7.1 CR-1661 rev 6 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194966)

**Decision:** The document was **endorsed (BL)**.

**R3-196306 BL CR to 38.401: Support for IAB**

*Type: CR For: Endorsement  
 38.401 v15.6.0 CR-0033 rev 12 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194967)

**Decision:** The document was **endorsed (BL)**.

**R3-196307 BL CR to 38.413: Support for IAB**

*Type: CR For: Endorsement  
 38.413 v15.5.0 CR-0063 rev 6 Cat: B (Rel-16)  
  
 Source: Nokia Shanghai Bell*

(Replaces R3-194968)

**Decision:** The document was **endorsed (BL)**.

### 13.2 IAB Support in Network Interfaces

#### 13.2.1 Setup of IAB Nodes and Donors

##### 13.2.1.1 IAB Node Integration

**R3-195446 (TP for NR\_IAB BL CR for TS 38.401): Integration of IAB-node**

*Type: other For: (not specified)  
 Source: Huawei*

**Discussion:**

HW: Proposal 1, the intention is not to preclude anything

Nokia: implementation issue

Ericsson: Proposal 6, depends on RAN2

Ericsson: on proposals 1 and 6, proposal 6 pushes local routing, which has not been agreed in RAN2.

Huawei: for proposal 1, no need to establish backhaul RRC channel.

**Decision:** The document was **revised to R3-196200**.

**R3-196200 (TP for NR\_IAB BL CR for TS 38.401): Integration of IAB-node**

*Type: other For: -  
 Source: Huawei*

(Replaces R3-195446)

**Decision:** The document was **agreed**.

**R3-195471 (TP for NR\_IAB BL CR to 38401) IAB-node integration**

*Type: other For: Approval  
 38.401 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

Nokia: change "identifier" to "identifier(s)". remove FFS for OAM connectivity

Samsung: DL ?

Qualcomm: same thing for the DL.

E///: agree with Nokia; why not remove FFS for OAM connectivity?

Qualcomm: RAN2 agreed on single BAP address.

**Decision:** The document was **revised to R3-196199**.

**R3-196199 (TP for NR\_IAB BL CR to 38401) IAB-node integration**

*Type: other For: Approval  
 38.401 v..  
 Source: Qualcomm Incorporated*

(Replaces R3-195471)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195474 IAB – Topology discovery**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

Ericsson: Prefers option 3, DU notifies the CU about which MT is collocated.

Samsung: thinks that option 2 doesn’t work.

ZTE: preference for option 3.

Huawei: depends on how IAB donor DU gets IP address.

Ericsson: we cannot discuss IP yet.

Nokia: this is related to IP address management.

Qualcomm: IP addresses are assigned dynamically and may be released.

Nokia: If RRC is used for IP address management there is no issue.

Huawei: disagrees with Qualcomm.

Samsung: The issue is valid.

**Decision:** The document was **noted**.

**R3-196278 (TP for BL CR to 38.401) CB 46\_topology discovery**

*Type: other For: discussion  
 38.401 v..  
 Source: Qualcomm*

**Decision:** The document was **agreed**.

**R3-195527 (TP for NR-IAB BL CR for TS 38.401) Update on RLC BH Channel establishment**

*Type: other For: (not specified)  
 38.401 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: There are types, but editorials can be fixed by the rapporteur.

==> Rapporteur to fix editorials when merging

**Decision:** The document was **agreed**.

**R3-195621 (TP for NR-IAB BL CR for TS 36.413): MME IAB Capability Indication**

*Type: other For: Agreement  
 36.413 v..  
 Source: Ericsson*

**Discussion:**

Nokia: This is similar to LTE relay, but do we need it for update procedures?

Ericsson: it is consistent with other procedures.

Nokia: can it be updated dynamically?

CATT: can we assume that all nodes an IAB node is connected to are IAB capable.

Ericsson: disagrees with CATT.

Samsung: update is not needed.

**Decision:** The document was **revised to R3-196201**.

**R3-196201 (TP for NR-IAB BL CR for TS 36.413): MME IAB Capability Indication**

*Type: other For: Agreement  
 36.413 v..  
 Source: Ericsson*

(Replaces R3-195621)

**Decision:** The document was **agreed**.

**R3-195622 (TP for NR-IAB BL CR for TS 38.413): AMF IAB Capability Indication**

*Type: other For: Agreement  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196202**.

**R3-196202 (TP for NR-IAB BL CR for TS 38.413): AMF IAB Capability Indication**

*Type: other For: Agreement  
 38.413 v..  
 Source: Ericsson*

(Replaces R3-195622)

**Decision:** The document was **agreed**.

**R3-194985 (TP for NR\_IAB BL CR for TS36.423) IAB node indication for X2 handover**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Samsung*

**Decision:** The document was **revised to R3-196204**.

**R3-196204 (TP for NR\_IAB BL CR for TS36.423) IAB node indication for X2 handover**

*Type: other For: -  
 36.423 v..  
 Source: Samsung*

(Replaces R3-194985)

**Decision:** The document was **agreed**.

**R3-194986 IAB node indication for Xn handover**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0223 Cat: B (Rel-16)  
  
 Source: Samsung*

**Discussion:**

Ericsson: OK to add this.

Nokia: How is this used?

Huawei: same view as Nokia. We do not support IAB mobility

Samsung: it has been already agreed

Qualcomm: agree with the proposal

**Decision:** The document was **revised to R3-196203**.

**R3-196203 IAB node indication for Xn handover**

*Type: CR For: -  
 38.423 v15.5.0 CR-0223 rev 1 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R3-194986)

**Decision:** The document was **endorsed (BL)**.

##### 13.2.1.2 Adaptation, QoS, Bearer Setup

**CP MAPPING**

**R3-194910 LS on CP bearer mapping for IAB**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911538, to -, cc -  
 Source: 3GPP RAN2*

**Discussion:**

Ericsson: For question 1, the answer is no. For question 2, is it possible to have congestion on control plane.

ZTE: For question 1, all UE associated signaling do not necessarily go over one SCTP stream.

Qualcomm: on question 2, SCTP may re-order packets.

Nokia: no need for this.

Samsung: can we prioritize F1 with SRB0?

Nokia: this would only be needed in case of congestion, control plane is always sent with high priority.

Qualcomm: same issue in wireline networks,

Huawei: agree with Samsung, SRB0 should be prioritized.

**Decision:** The document was **replied to in R3-196205**.

**R3-196205 Reply to: LS on CP bearer mapping for IAB**

*Type: LS out For: approval  
 to 3GPP RAN2  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**R3-195748 Mapping of F1 signaling to BH RLC channel**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195629 On Carrying Different SRBs Over Different SCTP Streams in IAB**

*Type: discussion For: Agreement  
 Source: Ericsson, KDDI*

**Decision:** The document was **not treated**.

**R3-195630 [Draft] LS Reply on CP Bearer Mapping for IAB**

*Type: LS out For: Agreement  
 to RAN2  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195631 Mapping of CP Data Over Backhaul Links**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195528 Discussion on CP bearer mapping for IAB**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195529 [Draft]Reply LS on CP bearer mapping for IAB**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195451 Bearer mapping for control plane signalling**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195452 [Draft] Reply LS on CP bearer mapping for IAB**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-194990 Control signalling mapping in IAB network**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-194991 [Draft] Reply LS on CP bearer mapping for IAB**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195689 Discussion on BH RLC channel configuration for control plane signalling**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-195687 (TP for NR\_IAB BL CR for TS 38.473): BH RLC channel configuration for control plane signalling**

*Type: other For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**UL MAPPING**

**R3-195623 Uplink BH RLC Channel Mapping in IAB Nodes**

*Type: discussion For: Agreement  
 Source: Ericsson, KDDI*

**Discussion:**

Qualcomm: this is controversial topic and important to decide two-step or one-step

Ericsson: all proposal are two-step

Nokia: in Ericsson's proposal, the 1st step requires OAM which is our concern; don’t see benefit in two-step approach

Qualcomm: in one-step mapping is configured via RRC or F1

LG: two-step is similar to legacy, we prefer one-step mapping

Samsung: one-step method can do what two-step does

**Agreement:**

**UL mapping is to configure mapping between GTP-U FTEID (IP address + TEID) and egress backhaul RRC channel**

**Working Assumption:**

**we support one-step UL mapping (for F1-U and F1-C)**

**Decision:** The document was **noted**.

**R3-194992 UL mapping configuration**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195454 IAB bearer mapping for non-F1 traffic**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195531 Discussion on UL mapping in IAB**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195532 (TP for NR\_IAB BL CR for 38.401) UL traffic mapping**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**INTRA-DONOR CONFIGURATION**

**R3-195690 Further consideration on bearer mapping**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **noted**.

**R3-195475 IAB – BAP path ID mapping at donor DU**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-194987 Further Discussion on IP traffic mapping configuration for intra-donor transmission**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-194988 (TP for NR\_IAB BL CR for 38.473) IP traffic mapping configuration over F1**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Samsung*

**Discussion:**

Qualcomm: We want to use TNL instead of IP address.

Huawei: must be a TP, i.e. no cover sheet. Prefers non-UE associated signaling.

Ericsson: agrees with Samsung that UE-associated signaling should be used.

Huawei: We need to wait for bearer mapping discussion before deciding.

Ericsson: We are already using UE-associated signaling.

**Decision:** The document was **noted**.

**R3-196207 Summary of offline discussion on mapping and routing**

*Type: discussion For: discussion  
 Source: Samsung*

**Abstract:**

Based on the offline discussion and above observations, the following possible way forwards can be considered:

- WA: the configuration of DL bearer mapping and routing should be performed via one type of F1AP messages, i.e., either non-UE associated F1AP or UE associated F1AP.

- The decision of the applicable type of F1AP messages can be made in the next meeting.

**Discussion:**

**Agreement:**

**Configuration of downlink bearer mapping and routing should be performed by F1-AP**

**Decision:** The document was **noted**.

**R3-194989 (NR\_IAB BL CR for 38.463) IP traffic mapping configuration over E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0145 Cat: B (Rel-16)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195450 CR for TS38.463 on the F1-U traffic mapping**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0162 Cat: B (Rel-16)  
  
 Source: Huawei*

**Discussion:**

Huawei: Documment will be revised in accordance with agreements.

Ericsson: we need the possibility to remove the mapping.

Qualcomm: per F1-U and not per bearer.

Samsung: may need two different labels for single DRB.

**Decision:** The document was **revised to R3-196206**.

**R3-196206 CR for TS38.463 on the F1-U traffic mapping**

*Type: CR For: -  
 38.463 v15.5.0 CR-0162 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195450)

**Decision:** The document was **endorsed (BL)**.

**R3-195627 CR 38.463 IPv6 Flow Label Signalling and Allocation in IAB Networks**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0168 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195628 (TP for NR-IAB BL CR for TS 38.473): Flow Label and LCID Assignment for Bearer Mapping of UP Packets**

*Type: other For: Agreement  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **noted**.

**BAP CONFIGURATION**

**R3-195448 BAP layer configuration**

*Type: discussion For: (not specified)  
 Source: Huawei, LG Uplus*

**Decision:** The document was **not treated**.

**Agreements:**

**- Path id is derived from IP header and mapping provided by CU**

**- In the DL, for BAP path id derivation on the donor DU: IP address, IPv6 flow level and/or DS/DSCP can be used; all of these fields are optional in F1AP message to configure routing**

**QoS FAIRNESS**

**R3-195472 (TP for NR\_IAB BL CR to 38473) BH RLC channel config**

*Type: other For: Approval  
 38.473 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-194993 (TP for NR\_IAB BL CR for TS38.473) Discussion on BH RLC CH setup/modification failure**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195455 (TP for NR\_IAB BL CR for TS38.473): QoS Management and Configuration for BH RLC channel**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195533 Admission Control during BH RLC Channel establishment**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195624 (TP for NR-IAB BL CR for TS 38.473): BH RLC Channel QoS**

*Type: other For: Agreement  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195449 (TP for NR\_IAB BL CR for TS38.473): DL bearer mapping configuration in intermediate IAB nodes**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195453 (TP for NR\_IAB BL CR for TS38.473): DL bearer mapping configuration in IAB-donor-DU**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195366 Consideration on Bearer Management for IAB Architecture**

*Type: discussion For: Decision  
 Source: CATT*

**Abstract:**

IAB\_NR

**Decision:** The document was **not treated**.

**R3-195632 (TP for NR-IAB BL CR for TS 38.473): Signaling Aspects of BH RLC Channel and BAP Layer Configuration**

*Type: other For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195688 Discussion on BAP configuration**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-195686 (TP for NR\_IAB BL CR for TS 38.473):BAP address configuration**

*Type: other For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**ROUTING CONFIGURATION**

**R3-195692 Consideration on DL routing configuration in IAB**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-195464 Routing table design and configuration**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195465 Next hop ID design for IAB routing**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195530 Discussion on DL Forwarding Table Configuration**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195625 Next-hop Identifier for Packet Forwarding in IAB Networks**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195626 (TP for NR-IAB BL CR for TS 38.473): Downlink Routing Configuration**

*Type: other For: Agreement  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

##### 13.2.1.3 IP Address Management

**R3-195473 IAB-node-DU IP address allocation**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-194994 Further discussion on IP address issues of IAB network**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-194995 [Draft] LS on IP assignment in IAB network**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Samsung*

**Decision:** The document was **revised to R3-196209**.

**R3-196209 [Draft] LS on IP assignment in IAB network**

*Type: LS out For: -  
 to RAN2  
 Source: Samsung*

(Replaces R3-194995)

**Discussion:**

- remove draft

- Source is RAN3

**Decision:** The document was **revised to R3-196284**.

**R3-196284 [Draft] LS on IP assignment in IAB network**

*Type: LS out For: -  
 to RAN2  
 Source: Samsung*

(Replaces R3-196209)

**Decision:** The document was **approved**.

**R3-195534 Analysis on IP address management**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195633 IP Address Assignment in IAB**

*Type: other For: Agreement  
 Source: Ericsson, KDDI*

**Decision:** The document was **noted**.

**R3-195456 IP address management for IAB node**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195691 Consideration on IP Address Allocation in IAB**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**Agreements:**

**1: IAB node can obtain an IP address via OAM**

**2: The donor CU or donor DU can use OAM or DHCP to allocate IAB node IP address**

**3: IAB node can request one or more IP addresses from donor CU via RRC**

**4: CU can obtain IAB node IP address from donor DU via F1AP (other methods are not precluded)**

**5: CU can send IP address to IAB node via RRC**

**R3-196208 (TP for 38.401 BL CR) : IP address**

*Type: other For: discussion  
 Source: Qualcomm*

**Discussion:**

Nokia: Changes on changes. Please create a clean CR.

Huawei: We can do that when implementing TP to the BL CR.

**Decision:** The document was **revised to R3-196285**.

**R3-196285 (TP for 38.401 BL CR) : IP address**

*Type: other For: discussion  
 Source: Qualcomm*

(Replaces R3-196208)

**Decision:** The document was **agreed**.

##### 13.2.1.4 Others

**R3-195634 (TP for NR-IAB BL CR for TS 38.401) IAB Node Release Procedure**

*Type: other For: Agreement  
 38.401 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 13.2.2 User Plane

**FLOW CONTROL**

**R3-194911 LS to RAN3 on flow control in IAB**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911539, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195476 Clarification on RAN2 LS on IAB flow control**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195749 Flow control mechanism for DL in IAB network**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195637 The Use of DSCP for IAB Bearer Mapping**

*Type: discussion For: Agreement  
 Source: Ericsson, Verizon Wireless, KDDI, AT&T*

**Decision:** The document was **not treated**.

**R3-195636 (TP for NR-IAB BL CR for TS 38.401): IAB Protocol Stacks**

*Type: other For: Agreement  
 38.401 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195537 Bearer identification and mapping to backhaul channels**

*Type: discussion For: (not specified)  
 Source: Samsung Electronics GmbH*

(Replaces R3-194214)

**Decision:** The document was **not treated**.

**R3-195635 Flow Label and DSCP Assignment in UE MR-DC via IAB**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195638 Derivation of Full BAP Information at IAB-donor DU**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195697 (TP for NR\_IAB BL CR for TS 38.425): Support for enhancement to DL end-to-end flow control control in IAB**

*Type: other For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-194996 DL End-to-end flow control in IAB network**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195457 E2E flow control for IAB Network**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195458 CR for TS 38.425 to support E2E flow control for IAB**

*Type: CR For: (not specified)  
 38.425 v15.6.0 CR-0096 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195641 General Principles of IAB Downlink End-to-End Flow Control**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195639 Downlink End-to-End Flow Control in IAB Networks**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195640 TS 38.425 Downlink End-to-End Flow Control in IAB Networks**

*Type: CR For: Agreement  
 38.425 v15.6.0 CR-0097 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**AOB**

**R3-194997 Retransmission packet indication in IAB network**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195535 Flow-control enhancement for IAB**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 13.2.3 Security Protection for Wireless Backhaul

#### 13.2.4 DC Operation with IAB

**R3-195447 (TP for NR-IAB BL CR for TS 38.401) :NSA IAB Integration Procedure**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195945 Issues on support of NSA for IAB**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195699 Control plane signaling delivery in NSA deployment**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-194998 (TP for NR\_IAB BL CR for TS36.423) IP traffic mapping configuration over X2**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195461 RAN3 impact analysis of IAB usage in NSA network**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196094 Response to R3-195461 and R3-195635**

*Type: response For: Approval  
 Source: BEIJING SAMSUNG TELECOM R&D*

**Decision:** The document was **not treated**.

**R3-195460 Discussion on control plane transmission in NSA (option c)**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195459 Support of multiple connectivity in IAB network**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

#### 13.2.5 Others

**R3-195477 IAB load reporting to IAB-donor CU-CP**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195462 Resource coordination between multi-hop BH links**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195642 Support for LTE Deployment at IAB Node Sites**

*Type: discussion For: Agreement  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195662 IAB lossless delivery of UL data with hop-by-hop ARQ**

*Type: discussion For: Decision  
 Source: Intel Corporation*

**Decision:** The document was **not treated**.

### 13.3 Routing Functionality and Topology Adaptation

#### 13.3.1 Routing Functionality

**R3-196171 (TP for NR\_IAB BL CR to TS 38.401) Intra-CU topology adaptation procedure**

*Type: other For: Agreement  
 Source: Qualcomm Incorporated, Nokia, Samsung, Huawei, LG, Ericsson, CATT, KDDI*

**Decision:** The document was **agreed**.

**R3-194999 Discussion on routing configuration**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195463 Routing in IAB network**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195466 Routing and RLF handling for the IAB node connecting to multiple donor Dus**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195693 Discussion on Re-routing in IAB network**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

#### 13.3.2 IAB Node Migration

##### 13.3.2.1 Functions and Criteria

**R3-195000 Overview on IAB node migration**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195001 IP address management during the IAB migration**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195002 Overview on IAB node reestablishment**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195363 IAB Backhaul RLF recovery**

*Type: discussion For: Decision  
 Source: CATT*

**Abstract:**

IAB\_NR

**Decision:** The document was **not treated**.

**R3-195467 (TP for NR\_IAB BL CR for TS 38.401): Backhaul RLF Recovery**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195685 Discussion on IAB RLF and IAB reestablishment**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

##### 13.3.2.2 Under the Same Donor

**R3-195478 (TP for NR\_IAB BL CR to TS 38.401) IAB parent-node change**

*Type: other For: Approval  
 38.401 v..  
 Source: Qualcomm Incorporated*

(Replaces R3-193564)

**Decision:** The document was **not treated**.

**R3-195364 (TP for NR\_IAB BL CR for TS 38.401) Intra CU IAB node migration**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

IAB\_NR

**Decision:** The document was **not treated**.

**R3-195468 (TP for NR\_IAB BL CR for TS 38.401): Intra IAB donor-CU topology adaptation procedure**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195695 Discussion on network-controlled IAB migration handling**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-195696 (TP for NR\_IAB BL CR for TS 38.401): Support for inter-gNB-DU IAB topology adaptation procedure**

*Type: other For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

##### 13.3.2.3 Between Donors

**R3-195365 (TP for NR\_IAB BL CR for TS 38.401) Inter CU IAB node migration**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

IAB\_NR

**Decision:** The document was **not treated**.

**R3-195750 (TP for NR\_IAB BL CR for TS 38.401): IAB-node migration between different IAB-donors**

*Type: other For: (not specified)  
 38.401 v..  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195469 Inter IAB donor CU topology adaptation**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195694 Discussion on inter-CU IAB migration handling**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

#### 13.3.3 Others

### 13.4 Others

## 14 Additional MTC and NB-IoT Enhancements for LTE WIs

### 14.1 General

**BL CRs updates after the meeting:**

**R3-196323 Introduction of MT Early Data Transmission**

*Type: CR For: Endorsement  
 36.413 v15.7.0 CR-1682 rev 5 Cat: B (Rel-16)  
  
 Source: Qualcomm Incorporated, Huawei, Ericsson*

(Replaces R3-194974)

**Decision:** The document was **endorsed (BL)**.

**R3-196326 BL CR for support of extended DRX in CM-IDLE for eMTC connected to 5GC**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0172 rev 2 Cat: B (Rel-16)  
  
 Source: ZTE, Ericsson, Huawei, LG*

(Replaces R3-194936)

**Decision:** The document was **endorsed (BL)**.

**R3-196325 Introduction of Suspend-Resume for 5GC**

*Type: CR For: -  
 38.413 v15.5.0 CR-0188 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Qualcomm Incorporated*

(Replaces R3-194939)

**Decision:** The document was **endorsed (BL)**.

**R3-196328 Introduction of CP UP NB-IoT Others**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0157 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194948)

**Decision:** The document was **endorsed (BL)**.

**R3-196324 Common CP/UP aspects of CIoT UEs when connected to 5GC**

*Type: CR For: Endorsement  
 38.413 v15.5.0 CR-0153 rev 5 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194975)

**Decision:** The document was **endorsed (BL)**.

**R3-196327 Introduction of NB-IoT related NG-AP procedures**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0156 rev 4 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194978)

**Decision:** The document was **endorsed (BL)**.

### 14.2 Support for Mobile-Terminated Early Data Transmission

**R3-194915 Reply LS on Mobile-terminated Early Data Transmission**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911603, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-194974 Introduction of MT Early Data Transmission**

*Type: CR For: Endorsement  
 36.413 v15.7.0 CR-1682 rev 4 Cat: B (Rel-16)  
  
 Source: Qualcomm Incorporated, Huawei, Ericsson*

(Replaces R3-194807)

**Decision:** The document was **endorsed (BL)**.

**R3-195063 Consideration on MT-EDT impacts on RAN3**

*Type: discussion For: Decision  
 Source: ZTE*

**Discussion:**

LG: For proposal 1, we need confirmation from SA2 and RAN2

Ericsson: Share same view with LG.

Ericsson: Fine to update the EDT Session IE related description in S1AP Procedures.

**Decision:** The document was **noted**.

**R3-195064 (TP for LTE\_eMTC5, NB\_IOTenh3 BL CR for TS36.413): Correction on MT-EDT**

*Type: other For: Agreement  
 Source: ZTE*

**Discussion:**

==>

- Remove the editor’s note.

- Add FFS on Data Size IE.

- For procedure text, change "may" to "shall".

- Update the EDT Session IE related description in general.

- Double check if based on the latest BL CR.

**Decision:** The document was **revised to R3-196236**.

**R3-196236 (TP for LTE\_eMTC5, NB\_IOTenh3 BL CR for TS36.413): Correction on MT-EDT**

*Type: other For: Agreement  
 Source: ZTE*

(Replaces R3-195064)

**Decision:** The document was **agreed**.

**R3-195065 (TP for Introduction of Control Plane CIoT 5GS Optimisation for NB-IOT and eMTC for TS38.413): Support of MT-EDT**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195172 (TP for BL CR 36.413 on MT EDT) MT EDT indicator**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

ZTE: Data size is a RAN2 decision.

Qualcomm: RAN2 already made a decision that we can check. It comes down to picking the highest number of bits you can send in a TDS.

Nokia: We also need to be future proof. We should set a limit.

Ericsson: 4K is too large in our opinion. MT-EDT would be less than 1000.

**Decision:** The document was **noted**.

**R3-195499 (TP for BL 36.413 CR on MT-EDT) Further discussion on MT-EDT**

*Type: other For: Approval  
 36.413 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195927 Further discussion on MT early data transmission in Msg4**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195928 (TP for LTE\_eMTC5, NB\_IOTenh3 BL CR for TS 36.413): MT UP EDT indication in S1AP resume**

*Type: other For: (not specified)  
 36.413 v..  
 Source: Ericsson*

**Discussion:**

Huawei, ZTE: No need to include MT UP-EDT DL data size IE via UE CONTEXT RESUME, because we have end maker in UP plane already

Nokia: Same view as Huawei and ZTE.

Ericsson: Follow the same principle as with MO-EDT.

Nokia: You can see the size when you received the data.

LG: should wait for LS from SA2.

**Decision:** The document was **noted**.

### 14.3 Support for Functionality for Connection to 5GC

**R3-194936 BL CR for support of extended DRX in CM-IDLE for eMTC connected to 5GC**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0172 rev 1 Cat: B (Rel-16)  
  
 Source: ZTE, Ericsson, Huawei, LG*

(Replaces R3-193547)

**Decision:** The document was **endorsed (BL)**.

**PROPOSED BL CRs**

**R3-194937 Introduction of NBIOT dedicated CP functions when connected to 5GC**

*Type: CR For: (not specified)  
 38.410 v15.2.0 CR-0018 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-193821)

**Decision:** The document was **endorsed (BL)**.

**R3-194938 Introduction of Suspend-Resume for 5GC**

*Type: CR For: (not specified)  
 38.410 v15.2.0 CR-0019 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-193823)

**Decision:** The document was **endorsed (BL)**.

**R3-194939 Introduction of Suspend-Resume for 5GC**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0188 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Qualcomm Incorporated*

(Replaces R3-193824)

**Decision:** The document was **endorsed (BL)**.

**R3-194940 Introduction of CP CIoT 5GS Optimisation for NB-IoT and MTC connected to 5GC (Stage 2)**

*Type: CR For: (not specified)  
 38.410 v15.2.0 CR-0020 rev 1 Cat: B (Rel-16)  
  
 Source: LG Electronics*

(Replaces R3-194357)

**Decision:** The document was **endorsed (BL)**.

**R3-194946 Introduction of NB-IoT Paging and eDRX aspects**

*Type: CR For: Endorsement  
 38.413 v15.5.0 CR-0120 rev 4 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194725)

**Decision:** The document was **endorsed (BL)**.

**R3-194947 Introduction of Suspend-Resume**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0182 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Qualcomm Incorporated*

(Replaces R3-194726)

**Decision:** The document was **endorsed (BL)**.

**R3-194948 Introduction of CP UP NB-IoT Others**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0157 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194728)

**Decision:** The document was **endorsed (BL)**.

**R3-194975 Common CP/UP aspects of CIoT UEs when connected to 5GC**

*Type: CR For: Endorsement  
 38.413 v15.5.0 CR-0153 rev 4 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194808)

**Decision:** The document was **endorsed (BL)**.

**R3-194976 Introduction of Control Plane CIoT 5GS Optimisation for NB-IOT and eMTC**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0173 rev 2 Cat: B (Rel-16)  
  
 Source: Qualcomm Incorporated*

(Replaces R3-194809)

**Decision:** The document was **endorsed (BL)**.

**R3-194977 Introduction of CP UP NB-IoT Others**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0144 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194810)

**Decision:** The document was **endorsed (BL)**.

**R3-194978 Introduction of NB-IoT related NG-AP procedures**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0156 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-194811)

**Decision:** The document was **endorsed (BL)**.

**R3-195131 Consideration on 5GC awareness of WUS**

*Type: discussion For: Approval  
 Source: Huawei*

**Discussion:**

ZTE: We need more time to check. For proposal 1, why CN needs to get such information. For proposal 2, MME can do it by implementation.

Ericsson: Paging message will be sent before paging window.

Qualcomm: There is the negotiation mechanism between UE and AMF

Nokia: has the same understanding as Qualcomm. Same discussion with LTE case.

Ericsson: Should be discussed in RAN2 and SA2 first.

**Decision:** The document was **noted**.

**R3-195132 5GC awareness of WUS**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0243 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**For the future meetings, companies submit the TP for BL CRs with the format as:**

**TP to BL CR#XXXX “Title” for TSXX.XXX**

**TP FOR 38.413 BL CR#0172 (R3-193547) – eMTC ONLY**

**R3-195133 Support of CE-mode B for LTE-M UEs**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0244 Cat: B (Rel-16)  
  
 Source: Huawei*

**Discussion:**

Huawei: Some BL CRs do not respect the agreed upon title format that was prepared and distributed. We Invite all companies to respect and use the titles decided.

**Decision:** The document was **noted**.

**R3-195931 (TP for LTE\_eMTC5 BL CR for TS 38.413): CE modeB restriction for LTE-M**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**TP FOR 38.413 BL CR#0156 (R3-194727) – INTRODUCTION OF NB-IoT RELATED NGAP PROCEDURES**

**R3-195134 [TP to BL CR#0156 “Introduction of NB-IoT related NG-AP procedures” for 38.413] Consideration on Inter UE QoS in 5GS**

*Type: other For: Approval  
 38.413 v..  
 Source: Huawei*

**Discussion:**

Ericsson: The case scenario does not

Huawei: Why is NR would be different from LTE.

Ericsson: similar signalling was not introduced for NR.

Huawei, Nokia: It was added in the BL CR. Not yet in the spec but agreed in the BL CR.

Ericsson: Fine with proposal 1.

**Decision:** The document was **revised to R3-196237**.

**R3-196237 [TP to BL CR#0156 “Introduction of NB-IoT related NG-AP procedures” for 38.413] Consideration on Inter UE QoS in 5GS**

*Type: other For: Approval  
 38.413 v..  
 Source: Huawei*

(Replaces R3-195134)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195139 [TP to BL CR#0156 “Introduction of NB-IoT related NG-AP procedures” for TS 38.413] NB-IoT UE Priority**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **agreed**.

**TP FOR BL CR#0182 (R3-194726) AND TP FOR BL CR#0156 (R3-194727)**

**R3-195135 Consideration on the leftover issues in the baseline CRs**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**TP FOR 38.413BL CR#0188 (R3-193824) INTRODUCTION OF SUSPEND/RESUME FOR 5GC**

**R3-195136 [TP to BL CR#0188 “Introduction of Suspend-Resume” for TS 38.413] Cell Identifier and Coverage Enhancement Level**

*Type: other For: Approval  
 Source: Huawei*

**Discussion:**

==> double check the paging message (If already introduced in the BL CR).

**Decision:** The document was **agreed**.

**R3-195173 (TP for BL CR 38.413 on Suspend Resume) Correction of Suspend Resume**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Qualcomm: When UE performs the resume, there will be PDU session establishment request. Need further check.

ZTE: Add description on the optional IE.

**Decision:** The document was **revised to R3-196238**.

**R3-196238 (TP for BL CR 38.413 on Suspend Resume) Correction of Suspend Resume**

*Type: other For: -  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195173)

**Decision:** The document was **agreed**.

**R3-195957 Further consideration on suspend-resume procedure in UP CIoT 5GS Optimisation**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Discussion:**

Huawei: ok with proposal 1.

Qualcomm: Does it Apply to both direction or not? Check UPLINK data transmission.

**Decision:** The document was **noted**.

**R3-195958 (TP for Suspend-Resume BL CR for TS 38.413): Further consideration on suspend-resume procedure in UP CIoT 5GS Optimisation**

*Type: other For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **merged**.

**TP FOR 38.413 BL CR#0173 (R3-193567) INTRODUCTION OF CP CIoT 5GS OPTIMIZATION FOR NB-IOT AND eMTC**

**R3-195138 [TP to BL CR#0173 “Introduction of Control Plane CIoT 5GS Optimisation for NB-IOT and eMTC” for TS 38.413] Removing of Editor note**

*Type: other For: Approval  
 Source: Huawei*

**Discussion:**

Qualcomm: we have a Different proposal in R3-195500

Huawei:What's the harm to keep it?

Nokia: agree with Qualcomm's contribution, should not use CEI procedure.

ZTE: Support Huawei. Rel-15 does not support it, but it can be discussed in Rel-16.

**Decision:** The document was **noted**.

**R3-195140 [TP to BL CR#0157 “Introduction of CP UP NB-IoT Others” for TS 38.413] Overload Action**

*Type: other For: Approval  
 Source: Huawei*

**Discussion:**

Nokia: The code points seems different from that in SA2 specs.

==> Keep FFS.

**Decision:** The document was **revised to R3-196239**.

**R3-196239 [TP to BL CR#0157 “Introduction of CP UP NB-IoT Others” for TS 38.413] Overload Action**

*Type: other For: Approval  
 Source: Huawei*

(Replaces R3-195140)

**Decision:** The document was **agreed**.

**TP FOR 38.413 BLCR#0153 (R3-193355) COMMON CP/UP ASPECTS OF CIoT UEs WHEN CONNECTED TO 5GC**

**R3-195500 (TP for baseline CR 38.413 on Common CIoT / CP-CIoT) On need of CEI for capability upload trigger**

*Type: other For: Approval  
 38.413 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195501 (TP for BL CR 38.413 CR on Common CIoT / common CP/UP) Introduction of Extended Connected Time**

*Type: other For: Approval  
 38.413 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

Nokia: overlapping with pending data indication.

Qualcomm: Pending data indication means that there is pending data to be sent. It is different.

**Decision:** The document was **agreed**.

**R3-195929 Remaining common UP and CP aspects of CIoT when connected to 5GC**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Discussion:**

Nokia: ok, Except proposal 2.

Ericsson: During eDRX cycle, there is some data to be sent

Nokia: Why not use paging?

Ericsson: It's already been discussed in SA2. UE can not be paged because it is unreachable.

Huawei: UE Differentiation Information with FFS?

**Decision:** The document was **noted**.

**R3-195930 (TP for 38.413 Common CP/UP aspects of CIoT UEs when connected to 5GC): Addition of Pending Data Indication and UE Differentiation Information**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196240**.

**R3-196240 (TP for 38.413 Common CP/UP aspects of CIoT UEs when connected to 5GC): Addition of Pending Data Indication and UE Differentiation Information**

*Type: other For: -  
 38.413 v..  
 Source: Ericsson*

(Replaces R3-195930)

**Decision:** The document was **not concluded**.

**TP FOR 38.413 BL CR#0120 (R3-194725) INTRODUCTION OF NB-IoT PAGING AND eDRX ASPECTS**

**R3-195056 Consideration on necessity of NB-IoT UE Identity Index IE for NB-IoT connection to 5GC**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195057 (TP for Introduction of NB-IoT Paging and eDRX aspect) Removal of NB-IoT UE Identity Index IE**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195137 [TP to BL CR#0120 “Introduction of NB-IoT Paging and eDRX aspects” for TS 38.413] NB-IoT and Extended UE Identity Index values**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

### 14.4 SON Support for Reporting

**RLF**

**R3-195146 Consideration on RLF for NB-IoT**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195147 Support of RLF in NB-IoT**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1379 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195148 Support of RLF in NB-IoT**

*Type: CR For: Approval  
 36.413 v15.7.0 CR-1713 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**PRACH**

**R3-195143 Consideration on RACH optimization for NB-IoT**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195144 NPRACH configuration exchange**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1378 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195145 NPRACH configuration exchange**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0229 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195369 Consideration on NB-IoT PRACH optimization**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195059 CR for 36.423 on NB-IoT PRACH configuration exchange over X2AP**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1374 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195370 CR for 38.423 on NB-IoT PRACH configuration exchange over XnAP**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0250 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**ANR**

**R3-195141 Consideration on ANR for NB-IoT**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195142 Introduction of NB-IoT ANR report**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1377 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195932 Considerations on SON support for reporting**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195058 Consideration on NB-IoT PRACH optimization**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **withdrawn**.

**R3-195060 CR for 38.423 on NB-IoT PRACH configuration exchange over XnAP**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0225 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **withdrawn**.

### 14.5 Others

**GROUP WUS**

**R3-195149 Consideration on UE group wake up signal (WUS)**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195150 Support of UE group wake up signal**

*Type: CR For: Approval  
 36.413 v15.7.0 CR-1714 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195151 Support of UE group wake up signal**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0245 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195933 Introduction of WUS grouping**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195934 Introduction of WUS grouping**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1724 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**OTHERS**

**R3-195061 Consideration on MME awareness of D-PUR configuration**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195062 CR36.413 for support of MME awareness of D-PUR configuration**

*Type: CR For: Agreement  
 36.413 v15.7.0 CR-1711 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

## 15 E-UTRAN and NR Mobility Enhancements WIs

### 15.1 General

**R3-195663 Revised Work Plan for LTE/NR Mobility WIs**

*Type: Work Plan For: (not specified)  
 Source: Intel Corporation, China Telecom*

**Decision:** The document was **noted**.

**R3-194933 Baseline CR for introducing Rel-16 LTE further mobility enhancement**

*Type: CR For: Endorsement  
 36.420 v15.1.0 CR-0016 rev 3 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

(Replaces R3-193357)

**Decision:** The document was **endorsed (BL)**.

**R3-194934 Baseline CR for introducing Rel-16 NR mobility enhancement**

*Type: CR For: Endorsement  
 38.420 v15.2.0 CR-0008 rev 3 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

(Replaces R3-193361)

**Decision:** The document was **endorsed (BL)**.

**R3-194964 Baseline CR for introducing Rel-16 LTE further mobility enhancements**

*Type: draftCR For: Endorsement  
 36.300 v15.7.0  
 Source: Intel Corporation*

(Replaces R3-194797)

**Discussion:**

Nokia: Comment from the rapporteur of 36.300 ==> Unify naming eMBB vs non split bearer based on the agreement on RAN2.

**Decision:** The document was **endorsed (BL)**.

**R3-194970 Baseline CR for introducing Rel-16 NR mobility enhancement**

*Type: draftCR For: Endorsement  
 38.300 v15.7.0  
 Source: Intel Corporation*

(Replaces R3-194803)

**Decision:** The document was **endorsed (BL)**.

**R3-194971 Baseline CR for introducing Rel-16 NR mobility enhancement**

*Type: CR For: Endorsement  
 38.423 v15.5.0 CR-0136 rev 4 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

(Replaces R3-194804)

**Decision:** The document was **endorsed (BL)**.

**R3-194965 Baseline CR for introducing Rel-16 LTE further mobility enhancements**

*Type: CR For: Endorsement  
 36.423 v15.7.0 CR-1331 rev 4 Cat: B (Rel-16)  
  
 Source: Huawei, Intel Corporation, Nokia, Nokia Shanghai Bell*

(Replaces R3-194798)

**Decision:** The document was **endorsed (BL)**.

**- For next meeting, pls unify the term with RAN2, e.g., “eMBB”**

**- For BL CRs, only one author for all the changes is enough**

**The rapporteur to organize the offline discussion on the principle for BL CR and TPs for BL CRs for future meetings**

## **BL CRs updates after the meeting:**

**R3-196302 Baseline CR for introducing Rel-16 LTE further mobility enhancements**

*Type: draftCR For: Endorsement  
 36.300 v15.7.0  
 Source: Intel Corporation*

(Replaces R3-194964)

**Decision:** The document was **endorsed (BL)**.

**R3-196308 Baseline CR for introducing Rel-16 NR mobility enhancement**

*Type: draftCR For: Endorsement  
 38.300 v15.7.0  
 Source: Intel Corporation*

(Replaces R3-194970)

**Decision:** The document was **endorsed (BL)**.

**R3-196309 Baseline CR for introducing Rel-16 NR mobility enhancement**

*Type: CR For: Endorsement  
 38.423 v15.5.0 CR-0136 rev 5 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

(Replaces R3-194971)

**Decision:** The document was **endorsed (BL)**.

**R3-196303 Baseline CR for introducing Rel-16 LTE further mobility enhancements**

*Type: CR For: Endorsement  
 36.423 v15.7.0 CR-1331 rev 5 Cat: B (Rel-16)  
  
 Source: Huawei, Intel Corporation, Nokia, Nokia Shanghai Bell*

(Replaces R3-194965)

**Decision:** The document was **endorsed (BL)**.

### 15.2 Reduction of User Data Interruption at Handover

**R3-196154 Summary of offline discussion for RRC Resume**

*Type: discussion For: discussion  
 Source: Huawei*

**Abstract:**

- Support of suspension and resumption of the SCG in MR-DC.

- Consider the scenarios, e.g., w/o MN change, and SN change (FFS) for resume of SCG resource.

- Detailed stage-3 changes, which should introduce new indication (values) for the suspension or resumption of the lower layers SCG configuration over Xn interface.

**Decision:** The document was **noted**.

#### 15.2.1 Common

**INDICATOR/FALLBACK**

**R3-195564 (TP for NR\_Mob\_enh BL CR for TS 38.423):eMBB HO Preparation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195565 (TP for LTE\_feMob BL CR for TS 36.423): eMBB HO Preparation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195492 Per DRB eMBB HO**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195967 Make-Before-Break - Fallback mechanism**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195968 (TP for LTE\_feMob BL CR for TS 36.300): Enhanced Make-Before-Break - Fallback mechanism**

*Type: other For: (not specified)  
 36.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195969 (TP for LTE\_feMob BL CR for TS 36.423): Enhanced Make-Before-Break - Fallback mechanism**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195970 (TP for NR Mob BL CR for TS 38.300): Make-Before-Break - Fallback mechanism**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195971 (TP for NR Mob BL CR for TS 38.423): Make-Before-Break - Fallback mechanism**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195402 Discussion on support of enhanced Make Before Break handover**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **noted**.

**S1/NG**

**R3-195566 NG based eMBB HO**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196062 Suppprt of NG based eMBB handvoer**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0278 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196110**.

**R3-196110 Suppprt of NG based eMBB handvoer**

*Type: CR For: -  
 38.413 v15.5.0 CR-0278 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196062)

**Decision:** The document was **not treated**.

**R3-195567 S1 based eMBB HO**

*Type: CR For: (not specified)  
 36.413 v15.7.1  
 Source: Huawei*

**Decision:** The document was **revised to R3-196111**.

**R3-196111 S1 based eMBB HO**

*Type: CR For: -  
 36.413 v15.7.1  
 Source: Huawei*

(Replaces R3-195567)

**Decision:** The document was **not treated**.

**R3-196148 eMBB HO preparation signaling - Summary of offline discussion**

*Type: discussion For: discussion  
 Source: Ericsson*

**Abstract:**

The identified reason identified in question 1 is pending to RAN2 therefore it is recommended to wait for RAN2 progress on capabilities, unless other reasons are raised.

**Decision:** The document was **noted**.

#### 15.2.2 E-UTRAN

**R3-195486 (TP for LTE\_feMob-Core CR to 36.300) PDCP SN Continuity RLC-UM**

*Type: other For: Approval  
 36.300 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 15.2.3 NR

**R3-195972 Make-Before-Break - NR alignment with LTE**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195973 (TP for NR Mob BL CR for TS 38.300): Make-Before-Break - NR alignment with LTE**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195974 (TP for NR Mob BL CR for TS 38.423): Make-Before-Break - NR alignment with LTE**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195378 Discussion intra-CU eMBB Handover**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195379 (TP for [NR\_Mob\_enh] BL CR for TS 38.473): intra-CU eMBB Handover**

*Type: other For: (not specified)  
 38.473 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195568 eMBB handover in split gNB**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195569 eMBB handover in split gNB**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0092 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195570 eMBB handover in split gNB**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0466 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195571 Support eMBB handover on E1**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195572 Support eMBB handover on E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0166 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195487 (TP for LTE\_feMob-Core CR to 38.300) PDCP SN Continuity RLC-UM**

*Type: other For: Approval  
 38.300 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

### 15.3 Conditional Handover (CHO)

#### 15.3.1 Common

**CONDITIONAL PSCELL CHANGE**

**R3-194921 LS on Conditional PSCell addition/change**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911845, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195684 Possible discussion points on Conditional PScell addition/change**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC, ZTE*

**Decision:** The document was **noted**.

**R3-195213 Consideration of the signalling for the conditional PSCell change/addition**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195109 Motivation of one TS 37.340 BLCR for Mobility Enhancement in MR-DC Scenarios**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **noted**.

**R3-195110 Further Discussion on Conditional PScell&SCG Cancel in SN Addition Scenario**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195111 Further Discussion on Conditional PScell&SCG Cancel in SN Change Scenario**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195112 TP for TS37.340 BLCR Conditional PScell&SCG Management in MR-DC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195491 Conditional SN change**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195807 Conditional SN change scenarios**

*Type: discussion For: Decision  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-196149 Offline Summary of Conditional PScell Mobility Scenario**

*Type: discussion For: discussion  
 Source: ZTE*

**Decision:** The document was **noted**.

**CHO PREPARATION**

**R3-195669 Further consideration on CHO preparation**

*Type: discussion For: Decision  
 Source: Intel Corporation, ZTE, LGE, NEC, China Telecom, Samsung*

**Discussion:**

Nokia: massive HO preparation will kill the system. The target node's implementation is allowed implicitly. Multiple HO preparation into one single message doesn't help anything.

Intel: A number of companies see benefits. Trigger single HO towards the same target node, which helps to reduce multiple RRC messages towards UE.

Ericsson: Agrees with Nokia.

Intel: In CHO cancel, we allowed partial HO cancel.

Ericsson: These are different cases. Cancel is simple.

ZTE: Agrees with Intel. In dense small cell scenarios, the benefits of signalling reduction is significant.

Huawei: Agrees with Ericsson, Nokia.

Intel: at least for HO preparation failure message, including multiple failure cell list?

**Decision:** The document was **noted**.

**R3-196150 Summary of Offline – Multiple CHO candidate cells preparation by a single HO procedure**

*Type: discussion For: discussion  
 Source: Intel*

**Discussion:**

NEC: How the target can know the last HO request? Wondering whether RAN2 will merge multiple RRC container in one RRC message

Nokia: Can identify by the UE ID

Ericsson: In RRC, the multiple RRC messages will be sent towards UE

**Agreement:**

**RAN3 will continue to work assuming paraell transaction per target cell for HO preparation for CHO**

**Decision:** The document was **noted**.

**R3-195670 (TP for LTE\_feMob-Core BL CR for TS 36.423): Enhancement for CHO preparation**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Intel Corporation, ZTE, LGE, NEC, China Telecom, Samsung*

**Decision:** The document was **not treated**.

**R3-195671 (TP for NR\_Mob\_enh-Core BL CR for TS 38.423): Enhancement for CHO preparation**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Intel Corporation, ZTE, LGE, NEC, China Telecom, Samsung*

**Decision:** The document was **not treated**.

**R3-195380 Further Consideration on CHO Preparation Procedure**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195108 Further Discussion on Multiple CHO Preparation Linkage with the Same UE**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195843 Open issues on support of conditional handover**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195577 (TP for NR\_Mob\_enh BL CR for TS 38.300): CHO procedure**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195578 (TP for LTE\_feMob BL CR for TS 36.300): CHO procedure**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196054 Conditional Handover - HO preparation**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196055 (TP for LTE\_feMob BL CR for TS 36.423): Conditional Handover - HO preparation**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196056 (TP for NR Mob BL CR for TS 38.423): Conditional Handover - HO preparation**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195210 Management of identifiers during CHO**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195211 (TP for NR\_Mob\_enh BL CR for TS 38.423): Enabling identification of the executed CHO**

*Type: other For: Endorsement  
 38.423 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195212 (TP for LTE\_feMob BL CR for TS 36.423): Enabling identification of the executed CHO**

*Type: other For: Endorsement  
 36.423 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195672 [DRAFT] LS on CHO for multiple candidate cells preparation by a single HO procedure**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Intel Corporation*

**Decision:** The document was **not treated**.

**CHO MODIFICATION**

**R3-195673 Consideration on CHO modification**

*Type: discussion For: Decision  
 Source: Intel Corporation, NEC*

**Decision:** The document was **not treated**.

**R3-196063 Discussion on source-initiated modification to prepared CHO**

*Type: discussion For: (not specified)  
 Source: Google Inc.*

**Decision:** The document was **not treated**.

**R3-195113 Further Discussion on Modification of Ongoing CHO**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195381 Consideration on CHO Modification Procedure**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195488 Handover modification in CHO**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195975 Conditional Handover - HO modification**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195204 Avoiding race condition in case of RRC reconfiguration during CHO**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195205 (TP for NR\_Mob\_enh BL CR for TS 38.423): Enabling modification of CHO**

*Type: other For: Endorsement  
 38.423 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195206 (TP for LTE\_feMob BL CR for TS 36.423): Enabling modification of CHO**

*Type: other For: Endorsement  
 36.423 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195804 Conditional Handover Modification**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195805 (TP for LTE\_feMob BL CR for TS 36.423): Conditional Handover Modification**

*Type: other For: Agreement  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195806 (TP for NR\_Mob BL CR for TS 38.423): Conditional Handover Modification**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195573 (TP for NR\_Mob\_enh BL CR for TS 38.423): Handover modification for CHO**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195574 (TP for LTE\_feMob BL CR for TS 36.423): Handover modification for CHO**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**OVERLOAD ISSUES**

**R3-195207 Solutions to avoid overload due to CHO**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell, Vodafone*

**Decision:** The document was **not treated**.

**R3-195208 (TP for NR\_Mob\_enh BL CR for TS 38.423): Solutions to avoid overload due to CHO**

*Type: other For: Endorsement  
 38.423 v..  
 Source: Nokia, Nokia Shanghai Bell, Vodafone*

**Decision:** The document was **not treated**.

**R3-195209 (TP for LTE\_feMob BL CR for TS 36.423): Solutions to avoid overload due to CHO**

*Type: other For: Endorsement  
 36.423 v..  
 Source: Nokia, Nokia Shanghai Bell, Vodafone*

**Decision:** The document was **not treated**.

**CHO CANCELLATION**

**R3-195575 (TP for NR\_Mob\_enh BL CR for TS 38.423): CHO cancelation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195576 (TP for LTE\_feMob BL CR for TS 36.423): CHO cancelation**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**OTHERS**

**R3-195401 Discussion on support of Conditional Handover**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

#### 15.3.2 E-UTRAN

**CHO PREPARATION**

**R3-195114 TP for BL CR for TS 36.423 Multiple CHO Preparation Linkage over X2AP**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,LTE\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**CHO MODIFICATION**

**R3-195674 (TP for LTE\_feMob-Core BL CR for TS 36.423): Enhancement for CHO modification**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Intel Corporation, NEC*

**Decision:** The document was **not treated**.

**CANCELLATION**

**R3-195116 TP for E-UTRA Mob BL CR for TS 36.423 Conditional Handover - HO cancel**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,LTE\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195117 TP for BLCR for TS 36.423 Conditional PScell&SCG Cancel in EN-DC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,LTE\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195118 TP for BL CR for TS 36.423 Access Success Procedure in EN-DC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,LTE\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195489 S1 based CHO**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **withdrawn**.

#### 15.3.3 NR

**R3-195119 TP for BL CR for TS 38.423 Multiple CHO Preparation Linkage over XnAP**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195675 (TP for NR\_Mob\_enh-Core BL CR for TS 38.423): Enhancement for CHO modification**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Intel Corporation, NEC*

**Decision:** The document was **not treated**.

**R3-195120 TP for NR Mob BL CR for TS 38.423 Conditional Handover - HO cancel**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195586 (TP for NR\_Mob\_enh BL CR for TS 38.423): Conditional SN Change in MR-DC**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195587 Conditional SN Change in MR-DC**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195588 (TP for LTE\_feMob BL CR for TS 36.423): Conditional SN Change in MR-DC**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195121 TP for BLCR for TS 38.423 Conditional PScell&SCG Cancel in MR-DC@5GC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195382 Discussion intra-CU CHO**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195383 (TP for [NR\_Mob\_enh] BL CR for TS 38.473): intra-CU CHO**

*Type: other For: (not specified)  
 38.473 v..  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195579 Multiple CHO Preparation on F1**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195580 Multiple CHO Preparation on F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0467 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195976 Conditional Handover - Disaggregated gNB impact**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195977 Conditional Handover - Disaggregated gNB impact**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0481 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195494 Intra-CU CHO**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195122 TP for BL CR for TS 38.423 Access Success Procedure in MR-DC@5GC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

**R3-195490 NG based CHO**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

### 15.4 Data Forwarding Specifics

#### 15.4.1 Common

**R3-195664 Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: discussion For: Decision  
 Source: Intel Corporation*

**Decision:** The document was **noted**.

**R3-196129 Summary of Offline – Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: discussion For: discussion  
 Source: Intel*

**Abstract:**

Based on the offline summary, the following are proposed for agreement:

Proposal 1: (Downlink) No need to send another SN STATUS TRANSFER to inform that HFN has been increased (for target’s encryption).

Proposal 2: WA: (Downlink) The last SN STATUS TRANSFER is the same as legacy, for which normal data forwarding follows.

Proposal 3: (Downlink) It is FFS in RAN3 whether/how the source informs discarding of already forwarded PDCP SDUs.

Proposal 4: (Uplink) UL delivery to the CN from the source continues until the source sends the last SN Status Transfer to the target (same as legacy). The target won’t forward uplink packets in-sequence to the CN until it receives this last SN STATUS TRANSFER (as in the legacy).

Proposal 5: (Uplink) The last SN STATUS TRANSFER sent for DL is also used for UL (for which the normal data forwarding follows as in the legacy)

Proposal 6: (Uplink) It is FFS in RAN3 whether we allow the source to send an intermediate SN STATUS TRANSFER (between the first and the last) to convey uplink out-of-sequence receiving status so that the target can send PDCP status report to the UE immediately when accessed.

Proposal 7: No need to inform CT4 about GTP-U extension header.

**Discussion:**

Nokia: Proposal 3 needs rewording.

**Agreements:**

**- (Downlink) No need to send another SN STATUS TRANSFER to inform that HFN has been increased (for target’s encryption).**

**- (Downlink) It is FFS in RAN3 whether/how discarding of already forwarded PDCP SDUs is executed.**

**- (Uplink) UL delivery to the CN from the source continues until the source sends the last SN Status Transfer to the target (same as legacy). The target won’t forward uplink packets in-sequence to the CN until it receives this last SN STATUS TRANSFER (as in the legacy).**

**- (Uplink) The last SN STATUS TRANSFER sent for DL is also used for UL (for which the normal data forwarding follows as in the legacy)**

**- (Uplink) It is FFS in RAN3 whether we allow the source to send an intermediate SN STATUS TRANSFER (between the first and the last) to convey uplink out-of-sequence receiving status so that the target can send PDCP status report to the UE immediately when accessed.**

**- No need to inform CT4 about GTP-U extension header.**

**Working Assumption:**

**(Downlink) The last SN STATUS TRANSFER is the same as legacy, for which normal data forwarding follows.**

**Decision:** The document was **noted**.

**R3-195665 (TP for LTE\_feMob-Core BL CR for TS 36.300): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: (not specified)  
 36.300 v..  
 Source: Intel Corporation*

**Decision:** The document was **revised to R3-196130**.

**R3-196130 (TP for LTE\_feMob-Core BL CR for TS 36.300): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: -  
 36.300 v..  
 Source: Intel Corporation, ZTE, ETRI*

(Replaces R3-195665)

**Decision:** The document was **agreed**.

**R3-195666 (TP for LTE\_feMob-Core BL CR for TS 36.423): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Intel Corporation*

**Decision:** The document was **revised to R3-196131**.

**R3-196131 (TP for LTE\_feMob-Core BL CR for TS 36.423): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: -  
 36.423 v..  
 Source: Intel Corporation, ZTE, ETRI*

(Replaces R3-195666)

**Decision:** The document was **agreed**.

**R3-195667 (TP for NR\_Mob\_enh-Core BL CR for TS 38.300): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Intel Corporation*

**Decision:** The document was **revised to R3-196132**.

**R3-196132 (TP for NR\_Mob\_enh-Core BL CR for TS 38.300): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: -  
 38.300 v..  
 Source: Intel Corporation, ZTE, ETRI*

(Replaces R3-195667)

**Decision:** The document was **agreed**.

**R3-195668 (TP for NR\_Mob\_enh-Core BL CR for TS 38.423): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Intel Corporation*

**Decision:** The document was **revised to R3-196133**.

**R3-196133 (TP for NR\_Mob\_enh-Core BL CR for TS 38.423): Data Forwarding and SN Status Transfer for 0ms Interruption**

*Type: other For: -  
 38.423 v..  
 Source: Intel Corporation, ZTE, ETRI*

(Replaces R3-195668)

**Decision:** The document was **agreed**.

**R3-195581 (TP for NR\_Mob\_enh BL CR for TS 38.423): Early data forwarding**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195582 (TP for LTE\_feMob BL CR for TS 36.423): Early data forwarding**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195583 (TP for NR\_feMob BL CR for TS 38.300): Early data forwarding**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195584 (TP for LTE\_feMob BL CR for TS 36.300): Early data forwarding**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195585 [DRAFT] LS to CT4 on GTP-U extension header for early data forwarding in eMBB HO**

*Type: LS out For: (not specified)  
 to CT4  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196048 Make-Before-Break - Data forwarding**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196049 (TP for LTE\_feMob BL CR for TS 36.300): Early Data forwarding**

*Type: other For: (not specified)  
 36.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196050 (TP for LTE\_feMob BL CR for TS 36.423): Early Data forwarding**

*Type: other For: (not specified)  
 36.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196051 (TP for NR Mob BL CR for TS 38.300): Early Data forwarding**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196052 (TP for NR Mob BL CR for TS 38.423): Early Data forwarding**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**Agreement:**

**The source sends the HFN and SN of the first SDU forwarded to the target Node for encryption by the existing SN Status Transfer message**

**Working Assumption:**

**The target may send the HO SUCCESS message to the source, the source node sends the last SN Status Transfer message to the target node**

**R3-195683 Further consideration on Data forwarding timing for Conditional Hand Over**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC.*

**Decision:** The document was **not treated**.

**R3-195384 Considerations on Early Data Forwarding of CHO**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195493 Early data forwarding**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195612 On Early Data Forwarding for CHO**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Abstract:**

In this contribution, we evaluate the feasibility and benefits of early data forwarding for CHO particularly in FR2 networks and propose RAN3 to specify it.

**Decision:** The document was **not treated**.

**R3-196053 Conditional Handover - Data forwarding**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195400 Discussion on data forwarding procedure for Conditional Handover**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

#### 15.4.2 E-UTRAN

#### 15.4.3 NR

### 15.5 Others

**R3-195123 Some Other FFS Issues with CHO**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,NR\_Mob\_enh-Core

**Decision:** The document was **not treated**.

## 16 Private Network Support for NG-RAN WI (RAN3-led)

### 16.1 General

**R3-194926 LS on Sending CAG ID in NAS layer**

*Type: LS in For: Discussion  
 Original outgoing LS: S3-193142, to -, cc -  
 Source: 3GPP SA3*

**Discussion:**

ZTE: it conflicts with the description in SA2 TS23.501.

Qualcomm: LS is also sent to SA2.

**Decision:** The document was **noted**.

**R3-195176 Organization of stage 3 work for NPN**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: Supports the proposal.

**Agreement:**

**RAN3 agrees to have common CRs for PNI NPN and S-NPN.**

*Stage 2 CRs responsibilities:*

**TS 38.300 (Nokia)**

**TS 38.401 (China Telecom)**

*Stage 3 CRs responsibilities:*

**TS 38.413 (Qualcomm)**

**TS 38.423 (Ericsson)**

**TS 38.463 (ZTE)**

**TS 38.473 (Huawei)**

**Decision:** The document was **noted**.

**R3-195174 Information on RAN2 BL CR**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell, China Telecom*

**Decision:** The document was **noted**.

**R3-195175 Introduction of Non Public Networks**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell, China Telecom*

**Decision:** The document was **revised to R3-196151**.

**R3-196151 Introduction of Non Public Networks**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell, China Telecom*

(Replaces R3-195175)

**Decision:** The document was **endorsed (BL)**.

**R3-195404 On introducing NPN in NG-RAN CU-DU architecture**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **noted**.

**R3-195403 BL CR for introducing Non Public Netwrok in NG-RAN architecture**

*Type: CR For: Approval  
 38.401 v15.6.0 CR-0087 Cat: B (Rel-16)  
  
 Source: China Telecommunication, Nokia, Nokia Shanghai Bell, Huawei*

**Decision:** The document was **revised to R3-196152**.

**R3-196152 BL CR for introducing Non Public Netwrok in NG-RAN architecture**

*Type: CR For: Approval  
 38.401 v15.6.0 CR-0087 rev 1 Cat: B (Rel-16)  
  
 Source: China Telecommunication, Nokia, Nokia Shanghai Bell, Huawei*

(Replaces R3-195403)

**Decision:** The document was **endorsed (BL)**.

## **BL CRs updates after the meeting:**

**R3-196316 Introduction of Non Public Networks**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell, China Telecom*

(Replaces R3-196151)

**Decision:** The document was **endorsed (BL)**.

### 16.2 CAG/SNPN Cell Access Control

**R3-195015 Access control for SNPN and CAG**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195016 LS on NID and CAG ID reporting for mobility access control**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195177 Introduction of Non Public Networks**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0248 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195178 Introduction of Non Public Networks**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0233 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195398 Discussion on support of Public network integrated NPN over NG interface**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

**R3-195396 CR to 38.413 for introducing PNI-NPN in Rel-16**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0264 Cat: B (Rel-16)  
  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

**R3-195399 Discussion on support of Standalone NPN over NG interface**

*Type: discussion For: Approval  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

**R3-195397 CR to 38.413 for introducing SNPN in Rel-16**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0265 Cat: B (Rel-16)  
  
 Source: China Telecommunication*

**Decision:** The document was **not treated**.

**R3-195754 Introduction of NPN capturing agreements**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195755 CR to TS 38.413 on support of NPN**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0271 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195756 CR to TS 38.423 on support of NPN**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0256 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195876 Introducing NPN**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195877 Introducing NPN**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.1 Configuration Aspects over NG

**R3-195842 Discussion of configuration aspects over NG**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **noted**.

**R3-195815 Discussion on configuration exchange over NG**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195279 Discussion on open issue for configuration in NPN**

*Type: discussion For: Agreement  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195179 (TP for RAN3 BL CR 38.300) NPN Configuration aspects**

*Type: other For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196173**.

**R3-196173 (TP for RAN3 BL CR 38.300) NPN Configuration aspects**

*Type: other For: Agreement  
 38.300 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195179)

**Discussion:**

Ericsson: The very last sentence of the proposal repeats things that already exists. ==> Remove the very last sentence of the proposed text.

Samsung: in the before last paragraph, remove "if".

**Decision:** The document was **revised to R3-196265**.

**R3-196265 (TP for RAN3 BL CR 38.300) NPN Configuration aspects**

*Type: other For: Agreement  
 38.300 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-196173)

**Discussion:**

agreed unseen.

**Decision:** The document was **agreed**.

**R3-195761 Configuration aspects over NG**

*Type: discussion For: (not specified)  
 Source: Huawei, LGU+*

**Decision:** The document was **noted**.

**R3-195875 NPN – Configuration Aspects over NG**

*Type: discussion For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196153 Summary of offline on NPN NG Configuration Exchange**

*Type: discussion For: discussion  
 Source: Qualcomm*

**Decision:** The document was **noted**.

#### 16.2.2 Access Control

##### 16.2.2.1 Initial UE Message

**R3-195617 Consideration on Serving NPN expired in Connected mode**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195618 Draft LS to SA2 for NPN expired handling**

*Type: LS out For: (not specified)  
 to SA2, cc RAN2  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195816 Discussion on access control**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195763 Initial UE message for NPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195764 Initial UE Message for NPN**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0272 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195765 [Draft] Reply LS on sending CAG ID in NAS layer**

*Type: LS out For: (not specified)  
 to SA3, cc SA2, RAN2, CT1  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195880 On Initial UE Message related aspects for NPN**

*Type: discussion For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195881 [Draft] Reply LS on Sending CAG ID in NAS layer**

*Type: LS out For: (not specified)  
 to SA3, SA2, RAN2, cc CT1  
 Source: Ericsson*

**Decision:** The document was **not treated**.

##### 16.2.2.2 Mobility Restriction List

**R3-195762 Mobility restriction list for NPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195882 NPN aspects for the Mobility Restriction List**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

##### 16.2.2.3 Others

#### 16.2.3 Mobility

**R3-195841 Mobility aspects for PNI NPN**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195701 Discussion on NGAP HANDOVER REQUIRED message to support PNI-NPN**

*Type: discussion For: Discussion  
 38.413 v..  
 Source: ETRI*

**Abstract:**

Add selected CAG-Id in HANDOVER REQUIRED message Target ID IE

**Decision:** The document was **not treated**.

**R3-195698 CR for NGAP Handover Preparation to support PNI-NPN**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0270 Cat: B (Rel-15)  
  
 Source: ETRI*

**Abstract:**

Add selected CAG-Id in HANDOVER REQUIRED message

**Decision:** The document was **not treated**.

**R3-195817 Discussion on open issues in mobility**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195180 (TP for NPN BL CR for 38.300) NPN Mobility aspects**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195766 Connected mobility for NPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195883 NPN related Mobility topics**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.4 Paging

**R3-195818 NPN Paging Aspects**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195181 (TP for NPN BL CR for 38.300) NPN Paging aspects**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195606 Consideration on NPN paging**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195611 pCR for TS38.300 on NPN paging**

*Type: other For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195607 CR for TS38.413 on NPN paging**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0268 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195608 CR for TS38.423 on NPN paging**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0255 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195609 CR for TS38.473 on NPN paging**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0470 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195767 Discussion on paging for NPN**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195768 Discussion on paging for NPN**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0273 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195769 Discussion on paging for NPN**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0257 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195884 NPN topics related to Paging**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195878 Introducing NPN**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195610 pCR for TS38.300 on NPN paging**

*Type: other For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **withdrawn**.

#### 16.2.5 Self-Configuration Aspects

**R3-195819 NPN Self-Configuration**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195770 Self-Configuration aspect for NPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195885 NPN topics related to Self Configuration**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.6 F1 Aspects

**R3-195771 Remaining issues on support of NPN over F1**

*Type: discussion For: (not specified)  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195772 Remaining issues on support of NPN over F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0476 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195757 CR to TS 38.473 on support of NPN**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0475 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195758 CR to TS 38.470 on support of NPN**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0057 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-196089 Introduction of NPN in F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0491 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195613 Impact of NPN on F1**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195614 CR for TS38.473 on NPN**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0471 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195037 Introduction of NPN on F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0455 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195886 NPN - F1 aspects**

*Type: discussion For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195887 Introducing NPN**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195879 TPs for TSs 38.460 and 38.470 for support of NPN**

*Type: other For: (not specified)  
 38.401 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.7 E1 Aspects

**R3-195773 Remaining issues on support of NPN over E1**

*Type: discussion For: (not specified)  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195774 Remaining issues on support of NPN over E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0171 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195759 CR to TS 38.463 on support of NPN**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0170 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-195760 CR to TS 38.460 on support of NPN**

*Type: CR For: (not specified)  
 38.460 v15.4.0 CR-0027 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **not treated**.

**R3-196090 Introduction of NPN in E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0179 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195615 Impact of NPN on E1**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195616 CR for TS38.463 on NPN**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0167 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195039 Introduction of NPN on E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0152 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195888 NPN - E1 aspects**

*Type: discussion For: (not specified)  
 38.463 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195889 Introducing NPN**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.8 Dual Connectivity Aspects

**R3-195775 Support of MR-DC for NPN**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195776 Support of MR-DC for NPN**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0258 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195777 Support of MR-DC for NPN**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195890 NPN - Dual Connectivity Aspects**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

#### 16.2.9 RAN Sharing Aspects

**R3-195778 Support of RAN sharing with NPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195779 Support of RAN sharing with NPN**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195780 Support of RAN sharing with NPN**

*Type: draftCR For: (not specified)  
 36.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195891 NPN - RAN Sharing Aspects**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

#### 16.2.10 Others

**R3-195781 Connection management between PLMN and SNPN**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195782 [Draft] LS on connection management between PLMN and SNPN**

*Type: LS out For: (not specified)  
 to SA2  
 Source: Huawei*

**Decision:** The document was **not treated**.

## 17 NR Industrial IoT WI

### 17.1 General

**R3-195218 Updated Work Plan for NR Industrial IoT WI**

*Type: Work Plan For: (not specified)  
 Source: Nokia (rapporteur)*

**Decision:** The document was **noted**.

**R3-194941 Introduction of NR\_IIOT support to TS 38.300**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: CATT, Ericsson, Samsung, Huawei, ZTE, Nokia*

(Replaces R3-194660)

**Decision:** The document was **endorsed (BL)**.

**R3-194959 Introduction of NR\_IIOT support to TS 38.413**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0082 rev 6 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei*

(Replaces R3-194778)

**Decision:** The document was **endorsed (BL)**.

**R3-195783 Introduction of NR\_IIOT support to TS 38.473**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0477 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **endorsed (BL)**.

**R3-195055 BL CR to 38.463: Introducing CN PDB in E1AP to support TSC deterministic QoS**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0154 Cat: B (Rel-16)  
  
 Source: ZTE*

**Discussion:**

==> change the title more general: Introduction of NR\_IIOT support to TS 38.463

**Decision:** The document was **revised to R3-196227**.

**R3-196227 Introduction of NR\_IIOT support to 38.463**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0154 rev 1 Cat: B (Rel-16)  
  
 Source: ZTE*

(Replaces R3-195055)

**Decision:** The document was **endorsed (BL)**.

**R3-195160 BL CR XnAP Introducing NGAP support for TSC deterministic QoS**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0230 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Discussion:**

Ericsson: Change Titles of R3-195055 and R3-195160 into "Introduction of NR\_IIOT support to XX.XXX" to align with other BL CRs.

ZTE: Uplink is missing.

Ericsson: Will check and align in the revision.

**Decision:** The document was **revised to R3-196228**.

**R3-196228 Introduction of NR\_IIOT support to 38.423**

*Type: CR For: -  
 38.423 v15.5.0 CR-0230 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-195160)

**Decision:** The document was **endorsed (BL)**.

**BL CRs updates after the meeting:**

**R3-196317 Introduction of NR\_IIOT support to TS 38.413**

*Type: CR For: -  
 38.413 v15.5.0 CR-0082 rev 7 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei*

(Replaces R3-194959)

**Decision:** The document was **endorsed (BL)**.

**R3-196319 Introduction of NR\_IIOT support to 38.463**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0154 rev 2 Cat: B (Rel-16)  
  
 Source: ZTE*

(Replaces R3-196227)

**Decision:** The document was **endorsed (BL)**.

**R3-196318 Introduction of NR\_IIOT support to 38.423**

*Type: CR For: -  
 38.423 v15.5.0 CR-0230 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-196228)

**Decision:** The document was **endorsed (BL)**.

### 17.2 PDCP Duplication Enhancements

#### 17.2.1 PDCP Duplication for CA-only and for NR DC with CA

**R3-195153 Up to Four RLC entities in the PDCP Duplication**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195784 (TP for IIoT BL CR for TS 38.423): PDCP duplication with more than 2 entities**

*Type: other For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195785 (TP for IIoT BL CR for TS 38.473): PDCP duplication with more than 2 entities**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195786 (TP for IIoT BL CR for TS 38.463): PDCP duplication with more than 2 entities**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195787 Assistance information for PDCP duplication with more than 2 entities**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195788 Assistance information for PDCP duplication with more than 2 entities**

*Type: CR For: (not specified)  
 38.425 v15.6.0 CR-0098 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195840 PDCP duplication with more than 2 legs**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **not treated**.

#### 17.2.2 Dynamic Control

**R3-195216 On Coordination for PDCP Duplication with NR-DC/CA Combination**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195385 Discussion on handling of PDCP Duplication status information**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195386 (TP for TS 38.425): Handling of PDCP Duplication status information**

*Type: CR For: (not specified)  
 38.425 v15.6.0 CR-0095 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195789 Dynamic control of UL duplication**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

#### 17.2.3 Enhancements for More Efficient DL PDCP Duplication

**R3-195052 Consideration on discard timer on PDCP Duplication enhancement for URLLC**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195053 CR for TS38.425 on discard timer**

*Type: CR For: Agreement  
 38.425 v15.6.0 CR-0093 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195152 Effective PDCP Duplication**

*Type: CR For: (not specified)  
 38.425 v15.6.0 CR-0090 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194310)

**Decision:** The document was **not treated**.

**R3-195154 Effective PDCP Duplication**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195155 PDCP Discarding**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195214 Further details on the solution to enhance efficiency of PDCP duplication**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195513 Enhancements for More Efficient DL PDCP Duplication**

*Type: discussion For: Decision  
 Source: NEC*

**Decision:** The document was **noted**.

**R3-195682 Addressing issue on timer based solution**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC.*

(Replaces R3-193376)

**Decision:** The document was **noted**.

**R3-195790 Resource efficient DL PDCP duplication**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195791 Efficient DL PDCP SN delivery report**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195792 Efficient DL PDCP SN delivery report**

*Type: CR For: (not specified)  
 38.425 v15.6.0 CR-0099 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195846 Enabling hold-and-go solution and reporting of the transmission attempt failure**

*Type: CR For: Agreement  
 38.425 v15.6.0 CR-0087 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-193505)

**Abstract:**

Related to discussion in R3-195214 (replaces withdrawn R3-195215)

**Decision:** The document was **not treated**.

**R3-196235 Way forward on “Enhancements for More Efficient DL PDCP Duplication”**

*Type: discussion For: discussion  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195215 Enabling hold-and-go solution and reporting of the transmission attempt failure**

*Type: CR For: Agreement  
 38.425 v15.6.0 CR-0094 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Replaced with R3-195846

**Decision:** The document was **withdrawn**.

#### 17.2.4 Related to Higher Layer Multi-Connectivity

##### 17.2.4.1 Common (Stage 2)

##### 17.2.4.2 Solution #1

**R3-195006 RAN3 impacts for PDU session setup in Solution 1**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195007 PDU Session Setup for solution 1**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195008 PDU Session Setup for solution 1**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195009 The indications of the Secondary RAN to SMF for Solution 1**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195010 NGAP impacts for indicating the Secondary RAN to SMF**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195156 Solution #1 of Key Issue 1: Redundant user plane paths based on dual connectivity**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195182 Redundant transmission over Xn for solution 1**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195183 Support of Redundant PDU sessions for high layer multi-connectivity solution 1**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0234 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195323 Solution #1 of Key Issue 1: Redundant user plane paths based on dual connectivity**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0103 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194252)

**Decision:** The document was **not treated**.

**R3-195324 Solution #1 of Key Issue 1: Redundant user plane paths based on dual connectivity**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0097 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194251)

**Decision:** The document was **not treated**.

**R3-195325 Solution #1 of Key Issue 1: Redundant user plane paths based on dual connectivity**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0135 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194313)

**Decision:** The document was **not treated**.

**R3-195326 Solution #1 of Key Issue 1: Redundant user plane paths based on dual connectivity**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0430 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194314)

**Decision:** The document was **not treated**.

**R3-195793 (TP for IIoT BL CR for TS 38.413): Higher layer duplication for solution 1**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195794 (TP for IIoT BL CR for TS 38.423): Higher layer duplication for solution 1**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195795 (TP for IIoT BL CR for TS 38.463): Higher layer duplication for solution 1**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195959 Discussion on remaining issues for Solution #1**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195960 Introduction of Redundant Transmission Information for Solution #1 (TS 38.413)**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0277 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195961 Introduction of Redundant Transmission Information for Solution #1 (TS 38.423)**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0265 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

**R3-195962 Introduction of Redundant Transmission Information for Solution #1 (TS 38.463)**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0173 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Decision:** The document was **not treated**.

##### 17.2.4.3 Solution #4

**R3-195046 Consideration on resource efficiency of solution4**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195047 Draft LS to SA2 for resource efficiency of solution4**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195048 CR for TS38.413 on resource efficiency enhanced solution4**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0238 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195049 CR for TS38.423 on resource efficiency enhanced solution4**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0224 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195050 CR for TS38.463 on resource efficiency enhanced solution4**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0153 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **revised to R3-196234**.

**R3-196234 (TP for BL CR for TS38.463) on resource efficiency enhanced solution4**

*Type: other For: Agreement  
 38.463 v15.5.0  
 Source: ZTE*

(Replaces R3-195050)

**Decision:** The document was **agreed**.

**R3-195051 CR for TS38.415 on resource efficiency enhanced solution4**

*Type: CR For: Agreement  
 38.415 v15.2.0 CR-0008 Cat: B (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195184 Redundant transmission over NG for solution 4**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195185 Support of Redundant transmission over NG with solution 4**

*Type: CR For: (not specified)  
 38.415 v15.2.0 CR-0010 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: Add spec number before the reference [5]

Ericsson: Replace Sequence number by SN.

**Decision:** The document was **revised to R3-196229**.

**R3-196229 Support of Redundant transmission over NG with solution 4**

*Type: CR For: -  
 38.415 v15.2.0 CR-0010 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei, ZTE*

(Replaces R3-195185)

**Discussion:**

agreed unseen

**Decision:** The document was **endorsed (BL)**.

**R3-195186 LS on Implementation of redundant transmission for solution 4**

*Type: LS out For: (not specified)  
 to SA2, CT4  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195187 Redundant transmission at handover with solution 4**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195188 Support of Redundant transmission over Xn with solution 4**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0235 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196233**.

**R3-196233 (TP for baseline CR 38.423 IIoT) Xn CR for solution 4**

*Type: other For: -  
 38.423 v15.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195188)

**Decision:** The document was **agreed**.

**R3-195387 Discussion on Higher Layer Multi-Connectivity Solution#4**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195388 CR to 38.413 on NRIIOT Higher Layer Multi-Connectivity Solution#4**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0263 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195389 CR to 38.423 on NRIIOT Higher Layer Multi-Connectivity Solution#4**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0251 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195390 CR to 38.463 on NRIIOT Higher Layer Multi-Connectivity Solution#4**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0159 Cat: B (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195796 (TP for IIoT BL CR for TS 38.413): Higher layer duplication for solution 4**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **revised to R3-196232**.

**R3-196232 (TP for IIoT BL CR for TS 38.413): Higher layer duplication for solution 4**

*Type: other For: -  
 38.413 v..  
 Source: Huawei, LGU+*

(Replaces R3-195796)

**Decision:** The document was **agreed**.

**R3-195797 (TP for IIoT BL CR for TS 38.423): Higher layer duplication for solution 4**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195798 (TP for IIoT BL CR for TS 38.463): Higher layer duplication for solution 4**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195808 Establishing two NG-U tunnels for single PDU Session (Solution 4)**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195809 (TP for NR\_IIOT BL CR for TS 38.413): Establishing two NG-U tunnels for single PDU Session (Solution 4)**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195810 (TP for NR\_IIOT BL CR for TS 38.423): Establishing two NG-U tunnels for single PDU Session (Solution 4)**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195812 (TP for NR\_IIOT BL CR for TS 38.463): Establishing two NG-U tunnels for single PDU Session (Solution 4)**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

**R3-195813 Data forwarding for URLLC service with two NG-U tunnels for single PDU Session (solution 4)**

*Type: discussion For: Decision  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195157 (TP for NRIIOT Higher Layer Multi-Connectivity BL CR for TS 38.300) Resolving FFS**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-196230 Summary of offline discussions on duplication data forwarding**

*Type: discussion For: discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

No consensus could be reached given that the key elements above depends from requirements originating from other groups. It is therefore proposed to move out of the deadlock by sending an LS to SA2 to clarify the scope of the requirements applicable for the feature of redundancy over N3 tunnels.

The LS can be found in tdoc R3-196245.

**Decision:** The document was **noted**.

**R3-196245 LS on forwarding and redundant transmission over N3**

*Type: LS out For: Approval  
 to SA2, cc CT4, SA1  
 Source: Nokia*

**Decision:** The document was **noted**.

**R3-196231 Summary of offline on signalling for solution 4**

*Type: discussion For: discussion  
 Source: Huawei*

**Decision:** The document was **noted**.

### 17.3 Time Sensitive Communication Related Enhancements

#### 17.3.1 Common

#### 17.3.2 TSC Assistance Information

**R3-195042 Further consideration on TSC Assistance Information for NR-IIoT**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195043 (TP for NR\_IIOT BL CR for TS 38.413): TSC Traffic Characteristics related modification**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195044 (TP for NR\_IIOT BL CR for TS 38.423): TSC Traffic Characteristics related modification**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195045 (TP for NR\_IIOT BL CR for TS 38.473): TSC Traffic Characteristics related modification**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195158 Provisioning of UE’s TSC traffic pattern related information**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195159 Provisioning of UE’s TSC traffic pattern related information**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0156 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195219 (TP for NR\_IIOT BL CR for TS 38.413) Remaining open issues for TSCAI**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195327 Provisioning of UE’s TSC traffic pattern related information**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0098 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194253)

**Decision:** The document was **not treated**.

**R3-195328 Provisioning of UE’s TSC traffic pattern related information**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0097 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194254)

**Decision:** The document was **not treated**.

**R3-195329 Provisioning of UE’s TSC traffic pattern related information**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0320 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194255)

**Decision:** The document was **not treated**.

**R3-195799 (TP for IIoT BL CR for TS 38.300) : Introduction of CN PDB**

*Type: other For: (not specified)  
 38.300 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195800 (TP for IIoT BL CR for TS 38.413):TSC Assistance Information**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195801 (TP for IIoT BL CR for TS 38.423):TSC Assistance Information**

*Type: other For: (not specified)  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195802 (TP for IIoT BL CR for TS 38.473): TSC Assistance Information**

*Type: other For: (not specified)  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195803 (TP for IIoT BL CR for TS 38.463): TSC Assistance Information**

*Type: other For: (not specified)  
 38.463 v..  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195902 (TP for TS38.413 on TSC) Introduction of granular CN PDB**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 17.3.3 Time Reference Information

**R3-195054 (TP for BL CR to 38.473) Providing accurate reference time Information from gNB-DU to gNB-CU**

*Type: other For: Agreement  
 Source: ZTE, Ericsson, Nokia, CATT, Huawei, Samsung*

**Decision:** The document was **not treated**.

**R3-195073 Discussion on SIB9 Broadcast**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

### 17.4 Others

## 18 Single Radio Voice Call Continuity from 5G to 3G WI

### 18.1 General

**BL CRs updates after the meeting:**

**R3-196321 Introduction of 5G-SRVCC**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-194960)

**Decision:** The document was **endorsed (BL)**.

**R3-196322 Support of SRVCC from 5G to 3G**

*Type: CR For: -  
 38.413 v15.5.0 CR-0234 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei, China Unicom, Ericsson, Nokia, Nokia Shanghai Bell, ZTE*

(Replaces R3-194944)

**Decision:** The document was **endorsed (BL)**.

**R3-196320 Support SRVCC from 5G to 3G**

*Type: CR For: -  
 25.413 v15.0.0 CR-1325 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194945)

**Decision:** The document was **endorsed (BL)**.

### 18.2 Signaling Support for SRVCC (5G->3G)

**R3-194960 Introduction of 5G-SRVCC**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-194781)

**Decision:** The document was **endorsed (BL)**.

**R3-194944 Support of SRVCC from 5G to 3G**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0234 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei, China Unicom, Ericsson, Nokia, Nokia Shanghai Bell, ZTE*

(Replaces R3-194718)

**Decision:** The document was **endorsed (BL)**.

**R3-194945 Support SRVCC from 5G to 3G**

*Type: CR For: (not specified)  
 25.413 v15.0.0 CR-1325 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194719)

**Decision:** The document was **endorsed (BL)**.

**R3-195497 Remaining issues in 5G-SRVCC**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Huawei: Supports Proposal 1 and has a paper as well.

Ericsson: This is the objective of WI. Can be used for KPI purpose; Similar to LTE.

ZTE: Agrees with Ericsson. Also helpful for fast-return from 3G to 5G.

Qualcomm: KPI can be understood, but seems not critical.

Nokia: does not see strong motivation for this, but could be fine.

**Decision:** The document was **noted**.

**R3-195080 (TP for SRVCC for TS 38.300) Update of SRVCC in stage-2**

*Type: other For: Approval  
 38.300 v..  
 Source: Huawei, China Unicom*

**Discussion:**

Nokia: It is business as usual. Overlaps will be handeled at the end.

ZTE: Same view as Nokia.

**Decision:** The document was **noted**.

**R3-195124 TP for BL CR for TS 38.300 Introduction of 5G-SRVCC**

*Type: other For: (not specified)  
 Source: ZTE*

**Abstract:**

Other, Rel-16,SRVCC\_NR\_to\_UMTS

**Discussion:**

Nokia: proposes rewording like: initiates the handover preparation only for the ongoing IMS voice.

Qualcomm, Huawei: The last bullet is not needed. It is RAN2 aspect.

==>

- Initiates the handover preparation only for the ongoing IMS voice

- Remove the last bullet

**Decision:** The document was **revised to R3-196241**.

**R3-196241 TP for BL CR for TS 38.300 Introduction of 5G-SRVCC**

*Type: other For: -  
 Source: ZTE*

(Replaces R3-195124)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-195161 (TP for SRVCC 5G to 3G BL CR for TS 25.413): Resolving FFS**

*Type: other For: (not specified)  
 25.413 v..  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**R3-195189 (TP for SRVCC BL CR for TS 36.413) Encoding of source SRVCC**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Nokia: There is an error in the title of this document. The title shoud mention 25.413 instead of 36.413.

Ericsson: It is easier to use Ericsson's way.

ZTE: prefer Ericsson's version, align with S1AP.

Huawei: One bit is enough, no need to encode or decode NCGI.

**Decision:** The document was **noted**.

**R3-195081 (TP for SRVCC for TS 38.413) Removing FFS for NG interface**

*Type: other For: Approval  
 Source: Huawei, China Unicom*

**Decision:** The document was **agreed**.

**R3-195190 (TP for SRVCC BL CR for TS 38.413) Correction of SRVCC**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: Generally fine with the proposal. Simply keep "possible" code point for the SRVCC Operation Possible in order to align with SA2. Two code points is more clear.

Nokia: Perfers to include two code points, in the case of modification, one code point will introduce some confusion on the receiving node.

==>

-Remove the other overlapping changes, only keep p3 and p4

**Decision:** The document was **revised to R3-196242**.

**R3-196242 (TP for SRVCC BL CR for TS 38.413) Correction of SRVCC**

*Type: other For: -  
 38.413 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195190)

**Discussion:**

agreed unseen

**Decision:** The document was **agreed**.

**R3-195162 (TP for SRVCC 5G to 3G BL CR for TS 38.413): Resolving FFS**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195191 LS on completion of SRVCC**

*Type: LS out For: (not specified)  
 to SA2  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: No need to send an LS.

**Decision:** The document was **noted**.

## 19 Positioning WI

### 19.1 General

**BL CRs updates after the meeting:**

**R3-196310 Transmission Measurement Function in NG-RAN**

*Type: draftCR For: Endorsement  
 38.305 v15.4.0  
 Source: Ericsson*

(Replaces R3-194972)

**Decision:** The document was **endorsed (BL)**.

### 19.2 NRPPa Extensions for RAT-Dependent Positioning

**R3-195391 Discussion on NRPPa procedures**

*Type: discussion For: (not specified)  
 Source: CATT*

**Discussion:**

Ericsson: RAN2 discussion on this is ongoing.

CATT: do we need to focus on seperate or single procedure?

Huawei: Need to fix F1 first. There are multiple options in RAN3, which means we need to wait for RAN2.

Qualcomm: Fine to discuss F1. No need to do anything over F1.

NTT Docomo: E-CID measurement should also be considered.

**Decision:** The document was **noted**.

**R3-195392 (TP for [NR\_POS-Core] BL CR for TS 38.455): NRPPa procedures**

*Type: other For: (not specified)  
 38.455 v..  
 Source: CATT*

**Decision:** The document was **noted**.

**R3-195593 Discussion on DL-AoD procedure**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195594 LS on DL-AOD procedure**

*Type: LS out For: Agreement  
 to RAN2, cc RAN1  
 Source: Huawei*

**Decision:** The document was **not treated**.

### 19.3 Transmission Measurement Function

**R3-194972 Transmission Measurement Function in NG-RAN**

*Type: draftCR For: Endorsement  
 38.305 v15.4.0  
 Source: Ericsson*

(Replaces R3-194805)

**Decision:** The document was **endorsed (BL)**.

**R3-195595 (TP for BL CR TS 38.305) Transmission Measurement Function in NG-RAN**

*Type: other For: Agreement  
 Source: Huawei*

**Discussion:**

Qualcomm: Keep the text in 38.305 for now.

Ericsson: agree with Qualcomm. Not move for now.

**Decision:** The document was **revised to R3-196221**.

**R3-196221 (TP for BL CR TS 38.305) Transmission Measurement Function in NG-RAN**

*Type: other For: Agreement  
 Source: Huawei*

(Replaces R3-195595)

**Decision:** The document was **agreed**.

**R3-195596 Positioning architecture**

*Type: CR For: Agreement  
 38.401 v15.6.0 CR-0093 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195371 Discussion on TMF**

*Type: discussion For: (not specified)  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**R3-195508 NRPPa functionality and procedures**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated*

**Discussion:**

Huawei: Proposal 1 is ok. Check the difference with LPPa?Clarify more on Proposal 4.

Qualcomm: The difference includes Uplink OTDOA. It makes sense to provide the generic way for TRP.

Huawei: How can AMF send configuration towards LMF?

Qualcomm: we see some benefits to define the single procedure between LMF and CU, F1, CU pass the signalling towards correct DU.

Huawei: Need to introduce cause value for different purposes.

Ericsson: Doubt on Proposals 2, 3 and 5. Agree with P1, P4.

Qualcomm: Can further discuss on P5.

Ericsson: LPPa is terminated in CU, while TRP is regarded as DU.

Qualcomm: TRP is the network element to perform the measurements. Multiple DUs connects with CU, CU needs to select the proper DUs.

**Agreement:**

**A TRP is identified by a {TRP ID, cell ID} pair, where the cell ID is optional. Absence of the cell ID indicates that the TRP is not associated with a cell.**

**Decision:** The document was **noted**.

### 19.4 Broadcast Assistance Data Delivery

**R3-194935 NR Assistance Data Delivery over NRPPa**

*Type: CR For: Endorsement  
 38.455 v15.2.1 CR-0008 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-193363)

**Decision:** The document was **endorsed (BL)**.

**R3-195506 (TP for NR\_POS BL CR for TS 38.455) Discussion of NRPPa issues for Broadcast Assistance Data Delivery**

*Type: other For: Approval  
 38.455 v..  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195507 Discussion of F1AP issues for Broadcast Assistance Data Delivery**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195597 Discussion on Broadcast assistant data delivery**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195598 (TP BL CR 38.455) NR Assistance Data Delivery over NRPPa**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195599 Broadcast assistant data delivery**

*Type: CR For: Agreement  
 38.470 v15.6.0 CR-0053 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195600 Broadcast assistant data delivery**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0468 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196222 Summary of Offline on Broadcast Assistance Data over F1**

*Type: discussion For: discussion  
 Source: Qualcomm*

**Decision:** The document was **noted**.

### 19.5 Positioning Support in split gNB Architecture

**R3-195509 F1AP Functionality and Procedures**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195601 F1 support for positioning**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195602 F1 support for positioning**

*Type: CR For: Agreement  
 38.401 v15.6.0 CR-0094 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195603 F1 support for positioning**

*Type: CR For: Agreement  
 38.470 v15.6.0 CR-0054 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195604 F1 support for positioning**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0469 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195861 How to Support Positioning Measurements in F1AP**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195659 Positioning Measurement Functions**

*Type: CR For: (not specified)  
 38.470 v15.6.0 CR-0037 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194070)

**Decision:** The document was **not treated**.

**R3-195661 Support for Positioning Measurements in F1AP**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0279 rev 4 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194069)

**Decision:** The document was **not treated**.

### 19.6 Others

## 20 5G V2X with NR Sidelink WI

### 20.1 General

**BL CRs updates after the meeting:**

**R3-196300 Support of Service Authorization for V2X over Xn**

*Type: CR For: -  
 38.423 v15.5.0 CR-0151 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194950)

**Decision:** The document was **endorsed (BL)**.

**R3-196299 Support of Service Authorization and UE Sidelink AMBR for NR V2X over X2**

*Type: CR For: -  
 36.423 v15.7.0 CR-1369 rev 3 Cat: B (Rel-16)  
  
 Source: CATT, Huawei, Ericsson, LG Electronics*

(Replaces R3-194952)

**Decision:** The document was **endorsed (BL)**.

**R3-196301 Support of NR V2X sidelink AMBR and authorization**

*Type: CR For: -  
 38.473 v15.7.0 CR-0432 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei, LG Electronics, Ericsson, CATT*

(Replaces R3-194961)

**Decision:** The document was **endorsed (BL)**.

### 20.2 Signaling Support for NR Sidelink

#### 20.2.1 V2X Service Authorization

**R3-194949 Support of Service Authorization and UE Sidelink AMBR for V2X over NG**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0168 rev 2 Cat: B (Rel-16)  
  
 Source: LG Electronics, Ericsson, Huawei, CATT*

(Replaces R3-194740)

**Decision:** The document was **endorsed (BL)**.

**R3-194950 Support of Service Authorization for V2X over Xn**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0151 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194741)

**Decision:** The document was **endorsed (BL)**.

**R3-194951 Support of NR V2X sidelink AMBR and authorization**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1709 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei, LG Electronics, Ericsson, CATT*

(Replaces R3-194742)

**Decision:** The document was **endorsed (BL)**.

**R3-194952 Support of Service Authorization and UE Sidelink AMBR for NR V2X over X2**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1369 rev 2 Cat: B (Rel-16)  
  
 Source: CATT, Huawei, Ericsson, LG Electronics*

(Replaces R3-194743)

**Decision:** The document was **endorsed (BL)**.

**R3-194961 Support of NR V2X sidelink AMBR and authorization**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0432 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei, LG Electronics, Ericsson, CATT*

(Replaces R3-194782)

**Decision:** The document was **endorsed (BL)**.

**R3-195082 (TP for V2X for TS 38.413) Support of Cross-RAT PC5 Control Authorization**

*Type: other For: Approval  
 38.413 v..  
 Source: Huawei*

**Discussion:**

Samsung: is not convinced that cross RAT authorization is needed.

LG: we agreed on implicit option, SA2 rely on RAN3 decision.

ZTE: agrees with LG

CATT: same view as ZTE and LG

**Agreement:**

**RAN3 agreed to support implicit cross-RAT authorization (as in the current BL CR)**

**Decision:** The document was **noted**.

**R3-195083 (TP for V2X for TS 38.423) Support of Cross-RAT PC5 Control Authorization**

*Type: other For: Approval  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195084 (TP for V2X for TS 38.473) Support of Cross-RAT PC5 Control Authorization**

*Type: other For: Approval  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **noted**.

#### 20.2.2 V2X Support over F1

**R3-195085 (TP for V2X BL CR for TS 38.473) F1 impacts for support of V2X**

*Type: other For: Approval  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195357 F1 resource allocation**

*Type: discussion For: Decision  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Decision:** The document was **noted**.

**R3-195536 Discussion on V2X support over F1 interface**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195538 Issues on F1 for support of sidelink resource allocation**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **noted**.

**R3-195540 Issue on support of NR Uu controlling LTE sidelink in CU/DU split scenario**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **noted**.

**R3-195700 F1 impact to support NR V2X**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **noted**.

**R3-195814 NR V2X resource management in CU-DU split architecture**

*Type: discussion For: Decision  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195935 Discussion on SL mode configuration in gNB split-scenario**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195936 Discussion on F1 signalling for support of NR V2X**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**Working Assumption:**

**The sidelink resource pool is configured in the gNB-DU by OAM**

**Agreement:**

**For mode 1 (all types) DU is responsible for SL resource allocation**

**Agreement:**

**DU is responsible for LTE V2X sidelink resource allocation Mode 3 (SPS scheduling)**

**R3-196194 Summary of Offline Discussion: List of open issues related to F1 for support of NR sidelink resource mode 1 and mode 2**

*Type: discussion For: discussion  
 Source: LG*

**Decision:** The document was **noted**.

#### 20.2.3 Resource Coordination between NG-RAN Nodes for V2X Sidelink

**R3-195086 (TP for V2X for TS 36.423) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 36.423 v..  
 Source: Huawei*

**Decision:** The document was **revised to R3-196195**.

**R3-196195 (TP for V2X for TS 36.423) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 36.423 v..  
 Source: Huawei, Orange, ZTE*

(Replaces R3-195086)

**Decision:** The document was **agreed**.

**R3-195087 (TP for V2X for TS 38.423) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 38.423 v..  
 Source: Huawei*

**Decision:** The document was **revised to R3-196196**.

**R3-196196 (TP for V2X for TS 38.423) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 38.423 v..  
 Source: Huawei, Orange, ZTE*

(Replaces R3-195087)

**Decision:** The document was **agreed**.

**R3-195088 (TP for V2X for TS 38.473) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 38.473 v..  
 Source: Huawei*

**Decision:** The document was **revised to R3-196197**.

**R3-196197 (TP for V2X for TS 38.473) Introduction of V2X configuration exchange**

*Type: other For: Approval  
 38.473 v..  
 Source: Huawei, Orange, ZTE*

(Replaces R3-195088)

**Decision:** The document was **agreed**.

**R3-195089 Further considerations on resource coordination**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195539 Further considerations on the resource coordination between NG-RAN nodes**

*Type: discussion For: (not specified)  
 Source: LG Electronics*

**Decision:** The document was **noted**.

**R3-195702 Discussion on resource coordination in NR V2X**

*Type: discussion For: (not specified)  
 Source: ZTE, Sanechips*

**Decision:** The document was **not treated**.

**R3-195937 Resource coordination between NG-RAN nodes for NR V2X sidelink communication**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195938 Support of MR-DC V2X SL coordination over Xn**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0263 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195939 LS on resource coordination between NG-RAN nodes for NR V2X sidelink communication**

*Type: LS out For: (not specified)  
 to RAN2  
 Source: Ericsson*

**Discussion:**

Samsung: Does not understand the LS. RAN2 clearly agreed that SN does not control SL resources.

LG: Samsung's point is valid, but conflict may be with Uu.

ZTE: SN isn't allowed to control SL resource. MN can receive SN Uu allocation.

Nokia: no need for an LS.

**Decision:** The document was **revised to R3-196275**.

**R3-196275 LS on resource coordination between NG-RAN nodes for NR V2X sidelink communication**

*Type: LS out For: -  
 to RAN2  
 Source: Ericsson*

(Replaces R3-195939)

**Discussion:**

Huawei: We should not ask RAN2 about RAN3 work. We should simply ask RAN 2 to clarify.

Ericsson: It is not RAN2 scope but RAN3.

LG: keep as it is.

- Remove Draft.

- Source RAN3

**Decision:** The document was **revised to R3-196280**.

**R3-196280 LS on resource coordination between NG-RAN nodes for NR V2X sidelink communication**

*Type: LS out For: -  
 to RAN2  
 Source: Ericsson*

(Replaces R3-196275)

**Discussion:**

Approved unseen

**Decision:** The document was **approved**.

**R3-195949 Support of MR-DC V2X SL coordination over X2**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0205 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194322)

**Decision:** The document was **not treated**.

**Agreement:**

**V2X frequency and bandwidth information exchanged between RAN nodes shall be supported**

#### 20.2.4 Support for QoS

**R3-194917 Reply LS on QoS Handling for V2X Communication Over Uu**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911788, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195090 Support of multi-QoS profiles for V2X**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to R3-196099**.

**R3-196099 Support of multi-QoS profiles for V2X**

*Type: discussion For: Approval  
 Source: Huawei*

(Replaces R3-195090)

**Decision:** The document was **not treated**.

**R3-195091 Support of alternative QoS profiles**

*Type: draftCR For: Approval  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **revised to R3-196100**.

**R3-196100 Support of alternative QoS profiles**

*Type: draftCR For: Approval  
 38.300 v15.7.0  
 Source: Huawei*

(Replaces R3-195091)

**Decision:** The document was **not treated**.

**R3-195092 Support of alternative QoS profiles**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0239 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196101**.

**R3-196101 Support of alternative QoS profiles**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0239 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195092)

**Decision:** The document was **not treated**.

**R3-195093 Support of alternative QoS profiles during UE mobility**

*Type: discussion For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to R3-196102**.

**R3-196102 Support of alternative QoS profiles during UE mobility**

*Type: discussion For: Approval  
 Source: Huawei*

(Replaces R3-195093)

**Discussion:**

Vodafone: supports the proposal

Deutsche Telekom: also supports the proposal.

Ericsson: thinks we should wait for SA2 outcome before taking any decision.

LG: also thinks it is better to wait for SA2.

Samsung: has the same view as Ericsson and LG.

Nokia: supports the proposal and has a similar paper.

Ericsson: we may end up supporting This for free.

**Decision:** The document was **noted**.

**R3-195094 Support of alternative QoS profiles during UE mobility**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0240 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196103**.

**R3-196103 Support of alternative QoS profiles during UE mobility**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0240 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195094)

**Decision:** The document was **not treated**.

**R3-195095 Support of alternative QoS profiles during UE mobility**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0227 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196104**.

**R3-196104 Support of alternative QoS profiles during UE mobility**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0227 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195095)

**Decision:** The document was **not treated**.

**R3-195358 Discussion on PC5 QoS parameters for NR V2X**

*Type: discussion For: Decision  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Discussion:**

Ericsson: do not agree and do not see the need for this.

Huawei: Not needed

**Decision:** The document was **noted**.

**R3-195359 (TP for NR BL CR for TS 38.413) Support of PC5 QoS Parameters for NR V2X**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Decision:** The document was **noted**.

**R3-195360 (TP for NR BL CR for TS 38.423) Support of PC5 QoS Parameters for NR V2X**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Decision:** The document was **noted**.

**R3-195361 (TP for NR BL CR for TS 36.413) Support of PC5 QoS Parameters for NR V2X**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Decision:** The document was **noted**.

**R3-195362 (TP for NR BL CR for TS 36.423) Support of PC5 QoS Parameters for NR V2X**

*Type: other For: Approval  
 Source: CATT*

**Abstract:**

5G\_V2X\_NRSL

**Decision:** The document was **noted**.

**R3-195940 Discussion on Enhancements to QoS Handling for V2X Communication Over Uu Reference Point**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195950 Introducing enhanced Notification Control and alternative QoS profiles**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0219 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194131)

**Decision:** The document was **not treated**.

**R3-195951 Introducing enhanced Notification Control and alternative QoS profiles**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0196 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194133)

**Decision:** The document was **not treated**.

**R3-195952 Introducing alternative QoS profiles**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0121 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194134)

**Decision:** The document was **not treated**.

**R3-195953 Introducing enhanced Notification Control and alternative QoS profiles**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0412 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194135)

**Decision:** The document was **not treated**.

**R3-195164 Enhancement of QoS recovery**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195165 Enhancement of QoS recovery**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0247 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195166 Enhancement of QoS recovery**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0231 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195167 Reply LS on Enhancements to QoS Handling for V2X communication over Uu reference point**

*Type: LS out For: (not specified)  
 to SA2  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

## 21 NG Interface Usage for Wireless-Wireline Convergence WI (RAN3-led)

### 21.1 General

**R3-194962 CR for introducing WWC in RAN**

*Type: CR For: (not specified)  
 29.413 v15.3.0 CR-0003 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei, Telecom Italia, BT, Broadcom*

(Replaces R3-194789)

**Decision:** The document was **endorsed (BL)**.

**R3-194963 CR for introducing WWC in RAN**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0192 rev 3 Cat: B (Rel-16)  
  
 Source: Huawei, Telecom Italia, BT, Broadcom*

(Replaces R3-194790)

**Decision:** The document was **endorsed (BL)**.

### 21.2 NG Support for WWC

#### 21.2.1 Support for Interfacing Trusted non-3GPP Access Networks to the 5GC

#### 21.2.2 Support for Interfacing Wireline 5G Access Networks to the 5GC

## 22 Enhancement for Disaggregated gNB Architecture SI (RAN3-led)

### 22.1 General

**R3-195104 TR 38.823 V0.1.0**

*Type: draft TR For: Approval  
 38.823 v0.1.0  
 Source: China Telecommunications*

**Decision:** The document was **agreed**.

### 22.2 Flow Control Enhancements

**R3-195096 Comparison of solutions for flow control enhancements**

*Type: pCR For: Approval  
 38.823 v0.0.1  
 Source: Huawei, CATT*

**Decision:** The document was **revised to R3-196243**.

**R3-196243 Comparison of solutions for flow control enhancements**

*Type: pCR For: Approval  
 38.823 v0.0.1  
 Source: Huawei, CATT*

(Replaces R3-195096)

**Discussion:**

- remove CATT as co-signer.

**Decision:** The document was **revised to R3-196294**.

**R3-196294 Comparison of solutions for flow control enhancements**

*Type: pCR For: Approval  
 38.823 v0.0.1  
 Source: Huawei*

(Replaces R3-196243)

**Decision:** The document was **agreed**.

**R3-195318 Discussion on Efficient Downlink transmission**

*Type: discussion For: Approval  
 Source: CATT,Huawei,China Telecom*

**Decision:** The document was **noted**.

**R3-196092 Response to R3-195318 and R3-195096**

*Type: response For: Decision  
 38.823 v..  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **noted**.

**R3-195319 Discussion on out of order issue for split bearer**

*Type: discussion For: Approval  
 Source: CATT,China Telecom*

**Decision:** The document was **noted**.

**R3-195956 TP for 38.823: Solution for Massive Out-of-Order Delivery Problem in DC**

*Type: pCR For: Agreement  
 38.823 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195676 DDDS enhancements for retransmitted packets**

*Type: discussion For: Decision  
 Source: Intel Corporation*

**Decision:** The document was **noted**.

**R3-195677 (TP for FS\_enh\_disagg\_gNB for TR 38.823): DDDS enhancements for retransmitted packets**

*Type: other For: (not specified)  
 38.823 v..  
 Source: Intel Corporation*

**Decision:** The document was **revised to R3-196244**.

**R3-196244 (TP for FS\_enh\_disagg\_gNB for TR 38.823): DDDS enhancements for retransmitted packets**

*Type: other For: -  
 38.823 v..  
 Source: Intel Corporation*

(Replaces R3-195677)

**Decision:** The document was **agreed**.

**R3-195955 TP for 38.823: Transport Network Delay Compensation in Split gNB Architecture**

*Type: pCR For: Agreement  
 38.823 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to R3-196246**.

**R3-196246 TP for 38.823: Transport Network Delay Compensation in Split gNB Architecture**

*Type: pCR For: Agreement  
 38.823 v0.1.0  
 Source: Ericsson*

(Replaces R3-195955)

**Decision:** The document was **agreed**.

**Mechanism for determining network delay between nodes and IOT impact from exceeding expected data rate are FFS**

### 22.3 Support for UE Connection to Several gNB-CU-UPs from Different Security Domains

**R3-195076 TP for TR 38.823 Support for UE Connection to Several gNB-CU-UPs from Different Security Domains**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: Ok to capture the text (scenario) but we do not agree to including any assumptions about the solutions.

Huawei: We may not receive any response from SA3 in the coming meetings. We are fine to capture the scenarios here.

==> remove solution

**Decision:** The document was **revised to R3-196247**.

**R3-196247 TP for TR 38.823 Support for UE Connection to Several gNB-CU-UPs from Different Security Domains**

*Type: other For: -  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195076)

**Discussion:**

agreed unseen

**Decision:** The document was **agreed**.

## 26 Positioning SI (RAN3-led)

### 26.1 General

**R3-196059 TR 38.856 v0.1.0**

*Type: draft TR For: Approval  
 38.856 v0.1.0  
 Source: CMCC*

**Decision:** The document was **agreed**.

**R3-196042 (pCR TR 38.856) BL CR Scope**

*Type: discussion For: Agreement  
 Source: Huawei*

**Discussion:**

CMCC: The present document captures the studies on the feasibility and specification impact of local location management and of the NG RAN acting as LCS client.

**Decision:** The document was **revised to R3-196223**.

**R3-196223 (pCR TR 38.856) BL CR Scope**

*Type: discussion For: Agreement  
 Source: Huawei*

(Replaces R3-196042)

**Discussion:**

Agreed unseen

**Decision:** The document was **agreed**.

**R3-196043 (pCR TR 38.856) BL CR TR strucutre**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-196044 (pCR TR 38.856) BL CR Scope correction**

*Type: discussion For: Agreement  
 Source: Huawei*

**Discussion:**

CMCC: Fine to provide clarification on LMC.

Qualcomm: LMC is a better wording. The others elements should be shown in TP.

Ericsson: Agrees with Huawei.

**Decision:** The document was **noted**.

**R3-195830 TR 38.856 v0.0.1**

*Type: draft TR For: Approval  
 38.856 v0.0.1  
 Source: CMCC*

**Decision:** The document was **withdrawn**.

**R3-196061 TR 38.856 v0.1.0**

*Type: draft TR For: Approval  
 38.856 v0.1.0  
 Source: CMCC*

**Decision:** The document was **withdrawn**.

### 26.2 Local LMF in NG-RAN

**R3-195220 Further description of LMC architecture alternatives**

*Type: discussion For: Decision  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: Agrees with Nokia. Proposes to remove Architectures 2 and 3.

Nokia: In SI, there is no obstacle to listed all the architecture options. For the conclusion part, we may need narrow down the architecture options.

CMCC: Support Nokia.

Huawei: Some rewording is needed, multi-vendor issue.

Qualcomm: does not agree with the conclusions.

Nokia: just listing the alternative with categorisation to bad or good.

**Decision:** The document was **revised to R3-196224**.

**R3-196224 Further description of LMC architecture alternatives**

*Type: pCR For: Decision  
 38.856 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195220)

**Decision:** The document was **agreed**.

**R3-195831 Architecture and procedures for Local LMF support in NG-RAN**

*Type: discussion For: Decision  
 Source: CMCC*

**Decision:** The document was **not treated**.

**R3-195863 Proposed Corrections to the LMC Description**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196040 Baseline Alternative for LMF**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195862 Positioning Server Functionality and the NG-RAN**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195823 TP for TR 38.856: Impact of UE Mobility**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195821 TP for TR 38.856: Impact on existing protocols and interfaces**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Ericsson: Remove 5.2.2.4.

Qualcomm: It is relative to Architecture 2

Nokia: is LMC co-located in an neighbouring gNB?

CMCC: can it also cover Architectures 1 and 3?

Huawei: Add FFS on all the solutions. We need more time to understand how it works.

Ericsson: LMC should not work for particular UEs.

**Decision:** The document was **noted**.

**R3-196225 TP for TR 38.856: Impact on existing protocols and interfaces**

*Type: pCR For: discussion  
 38.856 v..  
 Source: Qualcomm*

**Decision:** The document was **agreed**.

**R3-195820 TP for TR 38.856: Location Service Operation**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195393 Discussion on RAN-LMF impacting on Xn**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-196093 Response to R3-195393**

*Type: response For: Decision  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **not treated**.

**R3-195221 Coordination between LMC and 5GC entities**

*Type: discussion For: Decision  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: For Proposal 1, prefer the transparant container way.

Nokia: Fine to reword the text for Proposal 2.

Qualcomm: implementation issues, no standard impact.

Nokia: AMF needs to be made aware.

Qualcomm: Why additional box in NG-RAN will change the specs?

Ericsson: There is something needs to be captured

HW: LMC select LMF? Reference to SA2.

**Decision:** The document was **revised to R3-196226**.

**R3-196226 Coordination between LMC and 5GC entities**

*Type: pCR For: Agreement  
 38.856 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195221)

**Decision:** The document was **agreed**.

**R3-195822 TP for TR 38.856: Coexistence of NG-RAN LMC and 5GC LMF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195824 Comparison of 5GC-LMF and RAN-LMC based Positioning**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-196041 (Text proposal to TR 38.856) Baseline Alternative**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

### 26.3 NG-RAN Acting as LCS Client

**R3-195605 Discussion on RAN acting as LCS client**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195864 Positioning Client Functionality in NG-RAN**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195865 [DRAFT] LS on Location Client in NG-RAN**

*Type: LS out For: (not specified)  
 to SA2, SA3  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195394 Discussion on NG-RAN acting as LCS client**

*Type: discussion For: (not specified)  
 Source: CATT*

**Decision:** The document was **not treated**.

## 30 Other WIs/SIs Impacting RAN3

### 30.1 NTN SI (RAN3-led)

### 30.2 Support for NavIC Navigation Satellite System for LTE

**R3-195922 Support for NavIC Navigation Satellite System for LTE**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195923 Addition of support for NavIC Navigation Satellite System for LTE**

*Type: CR For: (not specified)  
 36.455 v15.2.1 CR-0108 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Discussion:**

MCC: The WI code should be LCS\_NAVIC-Core

**Decision:** The document was **noted**.

**R3-195115 Enabling NavIC assistance data support**

*Type: discussion For: Decision  
 Source: Reliance Jio, MediaTek Inc., Huawei, CEWiT, Saankhya Labs, Tejas Networks. IIT-H, IIT-M*

**Abstract:**

Enabling NavIC assistance data support, changes necessary in TS 36.455

**Discussion:**

Ericsson: we need to wait for RAN2 regarding SIB.

Nokia: propose to agree the Ericsson's CR as Baseline.

**Decision:** The document was **noted**.

**R3-195811 Enabling NavIC assistance data support**

*Type: CR For: Decision  
 36.455 v15.2.1 CR-0106 Cat: B (Rel-16)  
  
 Source: Reliance Jio, MediaTek Inc., Huawei, CEWiT, Saankhya Labs Private Limited, Tejas Networks Ltd.*

**Abstract:**

Enabling NavIC assistance data support

**Decision:** The document was **noted**.

### 30.3 Others

**R3-195510 RAN3 Impacts of NR-U**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **noted**.

**R3-195892 On SA2 specification status for RACS**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

## 31 Corrections to Rel-16 and TEI16

### 31.1 3G

### 31.2 LTE

#### 31.2.1 EN-DC X2 Setup Message Size Limitation

**R3-196037 Discussion and Solution on number of served cells in Xn/X2 Setup**

*Type: discussion For: (not specified)  
 Source: Ericsson, NTT DOCOMO, INC*

**Decision:** The document was **noted**.

**R3-196147 Discussion and Solution on number of served cells in Xn/X2 Setup**

*Type: discussion For: -  
 Source: Ericsson, NTT DOCOMO, INC, British Telecom*

(Replaces R3-196037)

**Decision:** The document was **not treated**.

**R3-195991 XN Setup message size limitation**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0208 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC*

(Replaces R3-194384)

**Decision:** The document was **revised to R3-196146**.

**R3-196146 XN Setup message size limitation**

*Type: CR For: -  
 38.423 v15.5.0 CR-0208 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC, British Telecom*

(Replaces R3-195991)

**Decision:** The document was **revised to R3-196263**.

**R3-196263 XN Setup message size limitation**

*Type: CR For: -  
 38.423 v15.5.0 CR-0208 rev 4 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC, British Telecom*

(Replaces R3-196146)

**Discussion:**

MCC: revision number is wrong.

- Which release is this ?

- mismatch between WI code and release.

- Tick Other specs affected boxes.

**Decision:** The document was **revised to R3-196297**.

**R3-196297 XN Setup message size limitation**

*Type: CR For: -  
 38.423 v15.5.0 CR-0208 rev 5 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC, British Telecom*

(Replaces R3-196263)

**Decision:** The document was **Agreed in principal**.

**R3-195235 EN-DC X2 Setup message size limitation**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1382 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196272**.

**R3-196272 EN-DC X2 Setup message size limitation**

*Type: CR For: -  
 36.423 v15.7.0 CR-1382 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces R3-195235)

**Decision:** The document was **revised to R3-196293**.

**R3-196293 EN-DC X2 Setup message size limitation**

*Type: CR For: -  
 36.423 v15.7.0 CR-1382 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196272)

**Decision:** The document was **not treated**.

**R3-195236 EN-DC X2 Setup message size limitation**

*Type: draftCR For: (not specified)  
 36.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **revised to R3-196273**.

**R3-196273 EN-DC X2 Setup message size limitation**

*Type: draftCR For: -  
 36.300 v15.7.0  
 Source: Huawei*

(Replaces R3-195236)

**Decision:** The document was **not treated**.

**R3-195237 Xn Setup message size limitation**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0239 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195238 Xn Setup message size limitation**

*Type: draftCR For: (not specified)  
 38.300 v15.7.0  
 Source: Huawei*

**Decision:** The document was **revised to R3-196274**.

**R3-196274 Xn Setup message size limitation**

*Type: draftCR For: -  
 38.300 v15.7.0  
 Source: Huawei*

(Replaces R3-195238)

**Decision:** The document was **not treated**.

**R3-195283 X2 Setup Message Size Limitation**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-15,TEI15

**Decision:** The document was **noted**.

**R3-195330 Clarification on EN-DC X2 setup**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1389 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,NR\_newRAT

**Decision:** The document was **not treated**.

**R3-195331 Clarification on Xn setup**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0248 Cat: F (Rel-15)  
  
 Source: ZTE*

**Abstract:**

CR, Rel-15,NR\_newRAT

**Decision:** The document was **not treated**.

**R3-195989 EN-DC X2 Setup message size limitation**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1360 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC*

(Replaces R3-194181)

**Decision:** The document was **revised to R3-195990**.

**R3-195990 EN-DC X2 Setup message size limitation**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1360 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT DOCOMO, INC, British Telecom*

(Replaces R3-195989)

**Decision:** The document was **not treated**.

**R3-196210 Summary of offline discussion on X2 message size**

*Type: discussion For: discussion  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**R3-196282 Stage2 Removal of Requirement for Exchanging Complete Cell List over X2**

*Type: draftCR For: discussion  
 36.300 v..  
 Source: ZTE*

**Decision:** The document was **revised to R3-196295**.

**R3-196295 Stage2 Removal of Requirement for Exchanging Complete Cell List over X2**

*Type: draftCR For: discussion  
 36.300 v..  
 Source: ZTE*

(Replaces R3-196282)

**Decision:** The document was **not treated**.

**R3-196283 Stage2 Removal of Requirement for Exchanging Complete Cell List over Xn**

*Type: draftCR For: discussion  
 38.300 v..  
 Source: ZTE*

**Decision:** The document was **revised to R3-196296**.

**R3-196296 Stage2 Removal of Requirement for Exchanging Complete Cell List over Xn**

*Type: draftCR For: discussion  
 38.300 v..  
 Source: ZTE*

(Replaces R3-196283)

**Decision:** The document was **not treated**.

#### 31.2.2 Inter-Node Signaling of SFN Offset

**R3-195718 Inter node signalling of SFN offset**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **noted**.

#### 31.2.3 Reporting NR Cells as Inter-RAT Measurements in LPPa

**R3-195679 further consideration on LPPa enhancement for EN-DC**

*Type: discussion For: Approval  
 Source: NTT DOCOMO, INC.*

**Decision:** The document was **noted**.

**R3-195871 Inter-RAT Measurement of NR Cells for E-CID**

*Type: CR For: (not specified)  
 36.455 v15.2.1 CR-0107 Cat: B (Rel-16)  
  
 Source: Ericsson, NTT Docomo*

**Decision:** The document was **not treated**.

**R3-195899 Introduction of Inter-RAT Measurements for E-CID**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195900 Support of Inter-RAT Measurements (NR cells) for E-CID in E-UTRAN**

*Type: draftCR For: (not specified)  
 36.455 v15.2.1  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195901 Support of Inter-RAT Measurements (E-UTRAN cells) for E-CID in NG-RAN**

*Type: draftCR For: (not specified)  
 38.455 v15.2.1  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195897 Discussion on LPPa Reporting of NR Cells as Inter-RAT Measurements for E-CID**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195898 Support of EN-DC for E-CID**

*Type: draftCR For: (not specified)  
 36.455 v15.2.1  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196211 Summary of offline discussion on E-CID**

*Type: discussion For: discussion  
 Source: NTT Docomo*

**Discussion:**

**Agreement:**

**RAN3 intends to support reporting of NR cells as inter-RAT measurements for E-CID in LPPa in TEI16**

**Decision:** The document was **noted**.

#### 31.2.4 Void

**R3-195703 Broadcast of TBS assistance data**

*Type: CR For: Agreement  
 36.455 v15.2.1 CR-0105 Cat: C (Rel-16)  
  
 Source: NextNav, AT&T, FirstNet, Polaris Wireless*

**Discussion:**

To be brought back pending the decision on the RAN2 equivalent CRs.

**Decision:** The document was **not concluded**.

**R3-195356 Addition of broadcast of barometric pressure assistance data**

*Type: CR For: Approval  
 36.455 v15.2.1 CR-0104 Cat: C (Rel-16)  
  
 Source: Polaris Wireless, FirstNet, Intel, AT&T, NextNav*

**Discussion:**

NextNav: MCC should sort out the numebering of PosSIB-Types

Equivalent CRs are agreed in principal in RAN2. They will be presented for formal agreement in February 2020 meeting.

==>

To be brought back pending the decision on the RAN2 equivalent CRs.

**Decision:** The document was **not concluded**.

### 31.3 NR

#### 31.3.1 CSI-RS Configuration Transfer

**R3-194924 Reply LS on CSI-RS configuration transfer**

*Type: LS in For: Discussion  
 Original outgoing LS: R2-1911855, to -, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **noted**.

**R3-195036 CSI-RS configuration Transfer**

*Type: discussion For: Discussion  
 Source: China Telecommunications,Huawei*

**Decision:** The document was **noted**.

**R3-195232 CR to 38.423 on CSI-RS configuration Transfer**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0238 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **revised to R3-196212**.

**R3-196212 CR to 38.423 on CSI-RS configuration Transfer**

*Type: CR For: -  
 38.423 v15.5.0 CR-0238 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

(Replaces R3-195232)

**Decision:** The document was **not treated**.

**R3-195233 CR to 36.423 on CSI-RS configuration Transfer**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1381 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **revised to R3-196213**.

**R3-196213 CR to 36.423 on CSI-RS configuration Transfer**

*Type: CR For: -  
 36.423 v15.7.0 CR-1381 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

(Replaces R3-195233)

**Decision:** The document was **not treated**.

**R3-195234 CR to 38.473 on CSI-RS configuration Transfer**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0457 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

**Decision:** The document was **revised to R3-196214**.

**R3-196214 CR to 38.473 on CSI-RS configuration Transfer**

*Type: CR For: -  
 38.473 v15.7.0 CR-0457 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei, China Telecom*

(Replaces R3-195234)

**Decision:** The document was **not treated**.

**R3-195038 draft LS for CSI-RS transfer**

*Type: LS out For: Approval  
 to RAN2  
 Source: China Telecommunications*

**Decision:** The document was **revised to R3-196215**.

**R3-196215 draft LS for CSI-RS transfer**

*Type: LS out For: Approval  
 to RAN2  
 Source: China Telecommunications*

(Replaces R3-195038)

**Discussion:**

- Remove draft

- Source RAN3

**Decision:** The document was **revised to R3-196288**.

**R3-196288 draft LS for CSI-RS transfer**

*Type: LS out For: Approval  
 to RAN2  
 Source: China Telecommunications*

(Replaces R3-196215)

**Decision:** The document was **approved**.

**R3-195941 Discussion on CSI RS transfer in NG-RAN nodes**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195942 CSI-RS configuration Transfer over Xn**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0264 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195943 CSI-RS configuration Transfer over F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0480 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195944 LS on CSI-RS configuration transfer between NG-RAN nodes over X2**

*Type: LS out For: (not specified)  
 to RAN2, RAN1  
 Source: Ericsson*

**Discussion:**

merged in 6215

**Decision:** The document was **merged**.

#### 31.3.2 F1 Support for IPsec Setup

**R3-195825 Support dynamic setup user plane IP-Sec tunnel**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **noted**.

**R3-195826 Support user plane IP-Sec tunnel in F1**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195827 Support user plane IP-Sec tunnel in E1**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195828 Support user plane IP-Sec tunnel in XN**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195829 Support user plane IP-Sec tunnel in X2**

*Type: other For: Agreement  
 Source: ZTE*

**Decision:** The document was **revised to R3-196220**.

**R3-196220 Support user plane IP-Sec tunnel in X2**

*Type: CR For: Agreement  
 36.423 v.. CR-1399 Cat: F (Rel-16)  
  
 Source: ZTE*

(Replaces R3-195829)

**Decision:** The document was **revised to R3-196289**.

**R3-196289 Support user plane IP-Sec tunnel in X2**

*Type: CR For: Agreement  
 36.423 v.. CR-1399 rev 1 Cat: B (Rel-16)  
  
 Source: ZTE*

(Replaces R3-196220)

**Decision:** The document was **Technically endorsed**.

**R3-195030 Discussion on IPsec**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195031 IPSec address exchange F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0452 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195032 IPsec address exchange E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0150 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to R3-196218**.

**R3-196218 IPsec address exchange E1**

*Type: CR For: -  
 38.463 v15.5.0 CR-0150 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-195032)

**Decision:** The document was **revised to R3-196287**.

**R3-196287 IPsec address exchange E1**

*Type: CR For: -  
 38.463 v15.5.0 CR-0150 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-196218)

**Decision:** The document was **revised to R3-196292**.

**R3-196292 IPsec address exchange E1**

*Type: CR For: -  
 38.463 v15.5.0 CR-0150 rev 3 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces R3-196287)

**Decision:** The document was **technically endorsed**.

**R3-196074 Further discussions on IPSec tunne pre-establishment for GTP-U traffic**

*Type: discussion For: Decision  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-196075 CR to 38.473 on Support for setting up IPSec tunnel for GTP traffic over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0488 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to R3-196217**.

**R3-196217 CR to 38.473 on Support for setting up IPSec tunnel for GTP traffic over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0488 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196075)

**Decision:** The document was **revised to R3-196291**.

**R3-196291 CR to 38.473 on Support for setting up IPSec tunnel for GTP traffic over F1**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0488 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces R3-196217)

**Decision:** The document was **technically endorsed**.

**R3-196076 CR to 38.463 on Support for setting up IPSec tunnel for GTP traffic over E1**

*Type: CR For: Approval  
 38.463 v15.5.0 CR-0177 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196077 CR to 38.413 on clarifications to SON configuration transfer**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0279 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **noted**.

**R3-195866 Discussion on IPSec solution introduction**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**R3-195658 Support for setting IPSec**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0080 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194197)

**Decision:** The document was **not treated**.

**R3-195654 Support for setting IPSec a priori in F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0414 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194193)

**Decision:** The document was **not treated**.

**R3-195655 Support for setting IPSec a priori in E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0126 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194194)

**Decision:** The document was **not treated**.

**R3-195656 Support for setting IPSec a priori in Xn**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0201 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194195)

**Decision:** The document was **revised to R3-196219**.

**R3-196219 Support for setting IPSec a priori in Xn**

*Type: CR For: -  
 38.423 v15.5.0 CR-0201 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-195656)

**Decision:** The document was **revised to R3-196290**.

**R3-196290 Support for setting IPSec a priori in Xn**

*Type: CR For: -  
 38.423 v15.5.0 CR-0201 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-196219)

**Decision:** The document was **technically endorsed**.

**R3-195657 Support for setting IPSec a priori in X2**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1362 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194196)

**Decision:** The document was **not treated**.

**R3-195867 Support for setting IPSec on the fly in F1**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0478 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195868 Support for setting IPSec on the fly in E1**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0172 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195869 Support for setting IPSec on the fly in Xn**

*Type: CR For: (not specified)  
 38.423 v15.5.0 CR-0261 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195870 Support for setting IPSec on the fly in X2**

*Type: CR For: (not specified)  
 36.423 v15.7.0 CR-1393 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**Agreement:**

**IP-Sec address exchanged in F1AP,E1AP,EN-DC X2AP,XNAP does support during Setup and Configuration update for user plane**

**R3-196216 Summary of offline for IPsec tunnel exchange over signalling**

*Type: discussion For: discussion  
 Source: NEC*

**Decision:** The document was **noted**.

#### 31.3.3 DL UP Parameters at E1 Setup

**R3-196064 On the introduction of DL UP parameters during E1 Bearer Setup**

*Type: discussion For: Decision  
 Source: Huawei, Vodafone*

**Discussion:**

Ericsson: Out converns were taken into account. It does not respect the fonctional distribution of logical nodes.

Huawei: In our understanding the scanerio was aknowledged.

Nokia: deployment scenario must be agnostic in terms of E1 and F1 messages. Preference to keep things are they are.

Huawei: Proposal has an operator support.

Ericsson: We do not see how can this work in the implementation. Concerns on call flows.

Huawei: Stage 3 may by sufficient.

**Decision:** The document was **noted**.

**R3-196066 CR to 38.401 on the introduction of DL UP parameters during E1 Bearer Setup (Huawei, Vodafone)**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0098 Cat: F (Rel-16)  
  
 Source: Huawei, Vodafone*

**Decision:** The document was **not treated**.

**R3-196065 CR to 38.463 on the introduction of DL UP parameters during E1 Bearer Setup (Huawei, Vodafone)**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0175 Cat: F (Rel-16)  
  
 Source: Huawei, Vodafone*

**Decision:** The document was **not treated**.

#### 31.3.4 Void

#### 31.3.5 Direct Data Forwarding Between NG-RAN and E-UTRAN

**R3-195265 Discussion on inter-system handover from EN-DC to SA**

*Type: discussion For: Agreement  
 Source: CATT,China telecom*

**Discussion:**

ZTE: Understand the motivation . This a generic enhancement, not only applied to inter-system HO.

Huawei: diret data forwarding is already supported for SN change. Such enhancement is not needed.

Samsung: The problem need to be solved for all cases. Not only this one.

**Decision:** The document was **noted**.

**R3-195266 Support of direct data forwarding between Source SN node and target node**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1387 Cat: F (Rel-16)  
  
 Source: CATT,China telecom*

**Decision:** The document was **not treated**.

**R3-195267 Support of direct data forwarding between Source SN node and target node**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0245 Cat: F (Rel-16)  
  
 Source: CATT,China telecom*

**Decision:** The document was **not treated**.

**R3-195011 Inter-system direct forwarding with shared SgNB/gNB**

*Type: other For: (not specified)  
 38.413 v..  
 Source: Samsung*

**Decision:** The document was **noted**.

**R3-195354 (TP for direct data\_forwarding BL CR for TS 38.413) Inter-system direct forwarding with shared SgNB/gNB**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: there are other solution possible without spec impact.

CATT: agree with Huawei.

ZTE: gNB need to allocate address to target node.

Ericsson: Agree with Huawei. This is not needed.

Nokia: It does not work Inter-vendor.

**Decision:** The document was **noted**.

**R3-195192 Support of inter-system direct forwarding**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**R3-195355 Inter-system direct forwarding with shared SgNB/gNB**

*Type: draftCR For: (not specified)  
 37.340 v15.7.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195193 Support of inter-system direct forwarding**

*Type: CR For: (not specified)  
 38.413 v15.5.0 CR-0249 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195194 Support of inter-system direct forwarding**

*Type: CR For: (not specified)  
 36.413 v15.7.0 CR-1715 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 31.3.6 Others

**R3-194907 Reply LS on maximum value of MDBV**

*Type: LS in For: Discussion  
 Original outgoing LS: R1-1909894, to -, cc -  
 Source: 3GPP RAN1*

**Decision:** The document was **not treated**.

**R3-195502 Extending the MDBV Range**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0266 Cat: C (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195503 Extending the MDBV Range**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0253 Cat: C (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195504 Extending the MDBV Range**

*Type: CR For: Approval  
 38.463 v15.5.0 CR-0163 Cat: C (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195505 Extending the MDBV Range**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0463 Cat: C (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

**R3-195963 E1 Setup Request for virtualized CU-UPs**

*Type: discussion For: (not specified)  
 Source: Ericsson, Deutsche Telekom, Vodafone, BT, Orange*

**Decision:** The document was **not treated**.

**R3-195903 E1 Setup Request for virtualized CU-UPs**

*Type: CR For: Agreement  
 38.463 v15.5.0 CR-0031 rev 6 Cat: B (Rel-16)  
  
 Source: Ericsson, Deutsche Telekom, Vodafone, BT, Orange*

(Replaces R3-194075)

**Decision:** The document was **not treated**.

**R3-195966 Completion of RAN UE ID**

*Type: discussion For: (not specified)  
 Source: Ericsson, Telecom Italia, Deutsche Telekom*

**Decision:** The document was **not treated**.

**R3-195925 RAN UE ID for Xn**

*Type: CR For: Agreement  
 38.423 v15.5.0 CR-0200 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson, Telecom Italia, Deutsche Telekom*

(Replaces R3-194188)

**Decision:** The document was **not treated**.

**R3-195908 RAN UE ID for X2**

*Type: CR For: Agreement  
 36.423 v15.7.0 CR-1361 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson, Telecom Italia, Deutsche Telekom*

(Replaces R3-194187)

**Decision:** The document was **not treated**.

**R3-195909 RAN UE ID for NG**

*Type: CR For: Agreement  
 38.413 v15.5.0 CR-0223 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson, Telecom Italia, Deutsche Telekom*

(Replaces R3-194186)

**Decision:** The document was **not treated**.

**R3-195250 Potential issue during modification procedure**

*Type: discussion For: Approval  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195251 Introduction of transaction ID during modification procedure**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1384 Cat: B (Rel-16)  
  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195252 Introduction of transaction ID during modification procedure**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0241 Cat: B (Rel-16)  
  
 Source: Huawei, LGU+*

**Decision:** The document was **not treated**.

**R3-195704 Support of inter-system HO from SA to EN-DC in Rel-16**

*Type: discussion For: Discussion  
 Source: China Telecommunications*

(Replaces R3-195196)

**Decision:** The document was **not treated**.

**R3-195033 UL Data Split**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0151 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195034 On Partial Failure**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0453 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**R3-195040 Further Discussion on Band Combination and Feature Set Selection over F1**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195041 CR on Band Combination and Feature Set Selection over F1 for TS38.473**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0456 Cat: F (Rel-16)  
  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195074 Discussion on Measurement Gap Configuration over F1 for Multiple-DU Scenario**

*Type: discussion For: Decision  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195075 Correction on Measurement Gap Configuration over F1 for TS38.473 (Option 1)**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0385 rev 1 Cat: F (Rel-16)  
  
 Source: ZTE*

(Replaces R3-193634)

**Decision:** The document was **not treated**.

**R3-195077 Correction on Measurement Gap Configuration over F1 for TS38.473 (Option 2)**

*Type: CR For: Agreement  
 38.473 v15.7.0 CR-0386 rev 1 Cat: F (Rel-16)  
  
 Source: ZTE*

(Replaces R3-193635)

**Decision:** The document was **not treated**.

**R3-195125 Further Discussion on Conveying Location Reporting Control Info**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Abstract:**

Discussion, Rel-16,TEI16

**Decision:** The document was **not treated**.

**R3-195231 Introduction of Cross-Link Interference Management**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0085 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195280 Discussion on inter-MN handover without SN change**

*Type: discussion For: Approval  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195281 ( CR for TS 36.413) Support of Inter-MN handover without SN change**

*Type: CR For: Approval  
 36.413 v15.7.0 CR-1717 Cat: F (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195282 ( CR for TS 38.413) Support of Inter-MN handover without SN change**

*Type: CR For: Approval  
 38.413 v15.5.0 CR-0253 Cat: F (Rel-16)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

**R3-195310 Discussion on Access Complete Indication of PSCell**

*Type: discussion For: Approval  
 Source: CATT*

(Replaces R3-193687)

**Decision:** The document was **not treated**.

**R3-195311 CR on Access Complete Indication of PSCell (X2)**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1353 rev 1 Cat: F (Rel-16)  
  
 Source: CATT*

(Replaces R3-193688)

**Decision:** The document was **not treated**.

**R3-195312 CR on Access Complete Indication of PSCell (Xn)**

*Type: CR For: Approval  
 38.423 v15.5.0 CR-0166 rev 1 Cat: F (Rel-16)  
  
 Source: CATT*

(Replaces R3-193689)

**Decision:** The document was **not treated**.

**R3-195313 CR on Access Complete Indication of PSCell (F1)**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0390 rev 1 Cat: F (Rel-16)  
  
 Source: CATT*

(Replaces R3-193690)

**Decision:** The document was **not treated**.

**R3-195315 CR on Handover Decision in EN-DC scenario**

*Type: CR For: Approval  
 36.423 v15.7.0 CR-1354 rev 1 Cat: F (Rel-16)  
  
 Source: CATT*

(Replaces R3-193692)

**Decision:** The document was **not treated**.

**R3-195376 UE-TNL binding on NG-C SCTP association failure**

*Type: discussion For: Decision  
 Source: Altiostar*

(Replaces R3-193364)

**Decision:** The document was **not treated**.

**R3-195395 LS on UE-TNLA binding on SCTP failure**

*Type: LS out For: Approval  
 to SA2  
 Source: Altiostar*

(Replaces R3-193365)

**Decision:** The document was **not treated**.

**R3-195439 removal of unused Ies**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0460 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**R3-195440 Discussion on Resources not available for the slice IE on E1 and F1**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195441 Resources not available for the slice**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0160 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195442 Resources not available for the slice**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0461 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195443 Slice(s) not supported on E1 and F1 (Huawei)**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195444 Slice(s) not supported (Huawei)**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0161 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195445 Slice(s) not supported (Huawei)**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0462 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195710 Discussion on Multiple CU-UPs impact on NG interface**

*Type: discussion For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195711 Support multiple CU-UPs over NG for TS37.340**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195712 Support multiple CU-UPs over NG for TS38.413**

*Type: other For: (not specified)  
 Source: ZTE*

**Decision:** The document was **not treated**.

**R3-195905 Clarification of cardinality for the NG-RAN Architecture**

*Type: CR For: (not specified)  
 38.401 v15.6.0 CR-0040 rev 4 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces R3-194034)

**Decision:** The document was **not treated**.

**R3-195907 gNB-CU-UP graceful shutdown notification**

*Type: CR For: (not specified)  
 38.463 v15.5.0 CR-0125 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces R3-194183)

**Decision:** The document was **not treated**.

**R3-195924 Clarification of cardinality for the NG-RAN Architecture**

*Type: discussion For: (not specified)  
 38.401 v..  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-195964 gNB-CU-UP Graceful shutdown discussion**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **not treated**.

**R3-196078 Clarification on Header Compression**

*Type: CR For: Approval  
 38.463 v15.5.0 CR-0178 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196079 CR to 38.473 on clarifcations for inactivity monitoring request**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0489 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196080 Discussion on Delta RRC configuration support in gNB-CU**

*Type: discussion For: Decision  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-196081 CR to 38473 on Delta RRC config support in gNB-CU**

*Type: CR For: Approval  
 38.473 v15.7.0 CR-0490 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not treated**.

**R3-195035 On Partial Failure**

*Type: CR For: (not specified)  
 38.473 v15.7.0 CR-0454 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**R3-195196 Support of inter-system HO from SA to EN-DC in Rel-16**

*Type: discussion For: Discussion  
 Source: China Telecommunications*

**Decision:** The document was **revised to R3-195704**.

## 32 Any other business

**R3-196330 Draft TR 38.821 v0.9.0**

*Type: draft TR For: discussion  
 38.821 v0.9.0  
 Source: Thales*

**Decision:** The document was **available**.

## 33 Closing of the meeting (Friday 17:00)

Report prepared by: MCC