3GPP TSG RAN meeting #96 **R3-17xxxx**
Hangzhou, China, May 15 – 19, 2017

Agenda Item:	3
Source:	ETSI MCC
Title:	Report of 3GPP TSG RAN meeting #95Bis,
	Spokane, USA, April 03 – 07, 2017
Document for:	Approval

Report of 3GPP TSG RAN meeting #95Bis

held in Spokane, USA
April 03 – 07, 2017

Keywords

RAN, UTRA, LTE

3GPP

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Contents

Meeting Organisation 5

Executive Summary 5

1 Opening of the meeting (Monday 9:00) 6
2 Reminder 6
2.1 IPR declaration 6
2.2 Statement of antitrust compliance 6
2.3 Responsible IT behavior 6
2.4 Additional reminder 7
3 Approval of the Agenda 7
4 Approval of the minutes from previous meetings 8
5 Documents for immediate consideration 8
6 Organizational topics 8
7 General, protocol principles and issue 8
8 Incoming LSs 8
8.1 New Incoming LSs 8
8.2 LSin received during the meeting 12
8.3 Left over LSs/ pending actions 14
9 Corrections to Rel-13 or earlier releases 18
9.1 3G 18
9.2 LTE 18
10 New Radio Access Technology (RAN1-led) WI 24
10.1 Stage 2 26
10.1.1 Status of stage 2 work 26
10.1.2 TP RAN2-led 29
10.1.3 TP RAN3-led 29
10.1.4 Others 34
10.2 QoS 34
10.3 Realization of Network Slicing 38
10.4 Support of Self-Organising Network (SON) functions 42
10.4.1 Automatic Neighboring Relation (ANR) 44
10.4.2 NG/Xx/Xn setup 45
10.5 Support for PWS 46
10.6 Radio Access Network connected to 5G-CN 46
10.7 Intra NG-RAN mobility in RRC_CONNECTED (mode) 46
10.8 Intra NG-RAN mobility in RRC_INACTIVE (mode) 48
10.9 NR parts of inter-RAT mobility between NR and E-UTRA 50
10.10 Dual Connectivity options 51
10.10.1 E-UTRA-NR DC via EPC where the E-UTRA is the master 51
10.10.2 E-UTRA-NR DC via 5G-CN where the E-UTRA is the master 59
10.10.3 NR-E-UTRA DC via 5G-CN where the NR is the master 62
10.10.4 Others 62
10.11 High layer functional split 62
10.11.1 CU-DU interface principle and definition 62
10.11.2 Specification of one higher layer split 66
10.11.3 Others 69
10.12 C/U Plane of NG/Xn 71
10.12.1 CP Signalling Transport 71
10.12.2 UP Data Transport / Tunneling 72
10.12.3 NG AP 73
10.12.4 Xn AP 75
10.13 N2/N3 termination & access agnostic core 75
10.13.4 Xn AP 77
10.14 High layer split option selection 77
10.14.1 RLC PDU management 77
10.14.2 Others 79
10.15 RAN3 TS structure 81
10.16 Others 89

11 Study on CU-DU lower layer split for New Radio SI 89
12 Study on Architecture Evolution E-UTRAN SI 89
13 Further NB-IoT enhancements (RAN1-led) WI 89
13.1 Early data transmission 89
13.2 UE differentiation 90
13.3 Others 90
14 Even further enhanced MTC for LTE (RAN1-led) WI 90
14.1 Early data transmission 91
14.2 Others 91
15 UE positioning accuracy enhancement for LTE (RAN2-led) WI 91
15.1 RTK signalling 91
15.2 Broadcasting of assistance data 91
15.3 Others 91
16 Further enhancements on Video for LTE (RAN2-led) WI 91
16.1 Network aspects 91
16.2 UE aspects 92
16.3 Others 93
17 Quality of Experience (QoE) Measurement Collection for streaming services in E-UTRAN (RAN2-led) WI 93
18 Other WI/SIs with impact on RAN3 93
18.1 Rapporteur SID summarize 93
18.2 Band completion 93
18.3 Other 93
19 Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables (RAN2-led) SI 93
20 Enhancing LTE CA Utilization 96
21 Signalling reduction to enable light connection for LTE (RAN2-led) WI 96
22 Void 96
23 Void 96
24 Void 96
25 Void 96
26 Void 96
27 Void 96
28 Void 96
29 Void 96
30 Study on SON for eCoMP for LTE SI 96
31 Corrections to Rel-14 and TEI14 99
31.1 3G 99
31.2 LTE. 102
32 Rel-13/Rel-14 Specification Review 107
32.1 Editorial 107
32.2 ASN.1 107
33 Any other business 107
34 Closing of the meeting (Friday 17:00) 108

Meeting Organisation

To be added

Executive Summary

To be added

1 Opening of the meeting (Monday 9:00)

TSG RAN WG3 chairman Philippe Reininger (Huawei) opened the meeting 3GPP TSG RAN WG3 #95 on Monday Feb. 13th, 2017 at 9am.

On behalf of the host, the European American Friends of 3GPP, Sasha Sirotkin (Intel) welcomed the delegates to Athens, Greece and explained organisational issues 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 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

2.4 Additional reminder

RAN3 chairman: Please follow some good meeting principles:

1. The CR agreed must be provided during the meeting week e.g. before the end of the meeting.

In order to continue with the principle of agreed unseen CRs, please ensure that all CRs are uploaded in time

2. Prefer a face to face offline discussion rather than an email discussion

3. Handling of: Come Back (CB), server, reflector and email discussion:

When a CB is setup as example:

CB # 1_CB_Name

- topics of the offline discussion

(Company Owner)

Rev in tdocs_number

Please creates a folder in "Inbox/Draft/1_CB_Name" with the allocated number (1) and appropriate name.

Please upload the draft, the draft corrections, the draft revisions in the dedicated folder "Draft/Inbox/1_CB_Name"

Please do not send any drafts via email or on the reflector.

If any email, do not attached any document and minimize the email discussion e.g. announcement of beginning of the discussion, draft availability on server, support to the document, conclusion of the discussion

3 Approval of the Agenda

R3-170917 **RAN3-95 Bis meeting Agenda**
Source: Chairman

Discussion:

Decision: The document was **approved**.

4 Approval of the minutes from previous meetings

R3-170918 **RAN3-95 meeting report**
Source: MCC

Discussion:

Decision: The document was **approved**.

5 Documents for immediate consideration

6 Organizational topics

7 General, protocol principles and issue

R3-171268 **TR 30.531 v1.29.0 Work Plan and Working Procedures - RAN WG3**
30.531 v1.29.0
Source: ETSI MCC

Discussion:

Decision: The document was **noted**.

8 Incoming LSs

8.1 New Incoming LSs

R3-170919 **LS on inter MME mobility enhancements for eNB-IoT**
Source: 3GPP CT WG1, Huawei

Discussion:

Decision: The document was **noted**.

R3-170920 **Response to LS on SA2 involvement for the light connection**
Source: 3GPP CT WG1, Huawei

Discussion:

- Work is on hold by RAN decision. To be considered if there is any impact, when the work will start.

Decision: The document was **noted**.

R3-170921 **Reply LS to the progress of QoE Measurement Collection for Streaming**
Source: 3GPP CT WG1, Huawei

Discussion:

Decision: The document was **noted**.

R3-170922 **Reply LS on RAN-Assisted Codec Adaptation**
Source: 3GPP CT WG3, Nokia

Discussion:

Decision: The document was **noted**.

R3-170923 **LwM2M Connectivity Mgmt. enhancements for MIoT**
Source: Open Mobile Alliance (OMA), Nokia

Discussion:

Decision: The document was **noted**.

R3-170926 **LS on Higher layer parameters for Rel-14 FeMTC**
Source: 3GPP RAN WG1, Ericsson

Discussion:

Decision: The document was **noted**.

R3-170927 **LS on LTE Rel-14 UE feature list**
Source: 3GPP RAN WG1, NTT DOCOMO

Discussion:

Decision: The document was **noted**.

R3-170928 **LS on LPP parameters for Rel-14 FeMTC OTDOA**
Source: 3GPP RAN WG2, Ericsson

Discussion:

Decision: The document was **noted**.

R3-170929 **Reply LS to the progress of QoE Measurement Collection for Streaming to RAN3, SA4, SA5 and CT1**

Source: 3GPP RAN WG2, Huawei

Discussion:

Decision: The document was **noted**.

R3-170930 **Reply LS on the progress of QoE Measurement Collection for Streaming**

Source: 3GPP RAN WG2, Huawei

Discussion:

Decision: The document was **noted**.

R3-170933 **Reply LS on RAN-Assisted Codec Adaptation**

Source: 3GPP RAN WG2, Ericsson

Discussion:

Decision: The document was **noted**.

R3-170934 **LS on LTE Light Connection**

Source: 3GPP RAN WG2, Intel

Discussion:

Decision: The document was **noted**.

R3-170935 **LS on LTE call redirection to GERAN**

Source: 3GPP RAN WG2, Nokia

Discussion:

Decision: The document was **noted**.

R3-170936 **LS on providing WT MAC address to the UE using eNB signalling**

Source: 3GPP RAN WG2, Broadcom

Discussion:

Decision: The document was **noted**.

R3-170938 **LS on eVoLP parameters**
Source: 3GPP SA WG2, Qualcomm

Discussion:

Decision: The document was **noted**.

R3-170941 **Reply LS on SeDoC related authentication procedure**
Source: 3GPP SA WG2

Discussion:

Decision: The document was **withdrawn**.

OTDOA NB IoT

R3-170924 **LS on RRC parameter list for NB-IoT enhancements**
Source: 3GPP RAN WG1

Discussion:

Decision: The document was **noted**.

R3-170925 **LS on OTDOA positioning for NB-IoT**
Source: 3GPP RAN WG1, Huawei

Discussion:

Decision: The document was **noted**.

R3-171041 **Consideration on NB-IoT OTDOA**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171042 **Correction on NB-IoT OTDOA**
36.455 CR-0074 (Rel-14) v14.1.0
Source: Huawei

Discussion:

Qualcomm, Ericsson: Add code point in request.

Decision: The document was **Revised in 1270**.

R3-171270 **Correction on NB-IoT OTDOA**
36.455 CR-0074r1 (Rel-14) v14.1.0
Source: Huawei

Discussion:

Decision: The document was **Agreed**.

8.2 LSin received during the meeting

R3-171295 **Reply LS on privacy of registration and slice selection information**
Source: SA3, Qualcomm

Discussion:

- Is there an issue with the privacy aspects related to NSSAI?

- Is there an impact on the decision of NSSAI or slide ID for initial access?

Decision: The document was **noted**.

R3-171296 **LS on security termination for the User Plane in 5G**
Source: SA3, Deutsche Telekom

Discussion:

== >

- Copy SA3 on the LS to RAN2 on CU-DU split option agreement in R3-171287

Decision: The document was **noted**.

R3-171297 **Reply LS on inter MME mobility enhancements for eNB-IoT**
Source: SA2, Huawei

Discussion:

Decision: The document was **noted**.

R3-171298 **LS on UE Radio Capability handling for Option 3/3a/3x**
Source: SA2, NTT DOCOMO

Discussion:

== >

- S1 impact part is already existing ==> no impact.

- Waiting for RAN2 progress to see if there is any impact on RAN3.

Decision: The document was **noted**.

R3-171299 **LS on Data rates and Latency with NR, E-UTRA, EPS and 5GS**
Source: SA2, Mediatek

Discussion:

== >

-Check if an update of UE-AMBR (10Gbps) over S1AP is needed or if the current value is enough.

- Check for next meeting if an update is needed.

Decision: The document was **noted**.

R3-171300 **Reply LS to RAN WG3 on support of redirection for VoLTE**
Source: SA2, Huawei

Discussion:

Decision: The document was **noted**.

R3-171301 **LS on E-UTRA in NG-RAN (5G System)**
Source: SA2, Mediatek

Discussion:

Decision: The document was **noted**.

R3-171302 **LS on Applying Extended NAS timers based on UE's operation in CE Mode B**
Source: SA2, Intel

Discussion:

== >

- cc RAN2 in the reply LS.

- Response LS in R3-171304

Decision: The document was **noted**.

R3-171304 **Reply LS on Applying Extended NAS timers based on UE's operation in CE Mode B**
Source: Intel

Discussion:

Agreed. Revised for MCC clean-up.

Decision: The document was **Revised in 1379**.

R3-171379 **Reply LS on Applying Extended NAS timers based on UE's operation in CE Mode B**
Source: Intel

Discussion:

Decision: The document was **Agreed**.

8.3 Left over LSs/ pending actions

LWIP

R3-170975 **Response LS on Progress on Security for LWIP**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Abstract:

Information about enabling of the eNB - SeGW connectivity for LWIP

Discussion:

- Rewording needed to: “RAN3 does not expect any SA3 impact due to our completed work”.

- Add Attachment

Decision: The document was **Revised in 1271**.

R3-171271 **Response LS on Progress on Security for LWIP**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Abstract:

Information about enabling of the eNB - SeGW connectivity for LWIP

Discussion:

Revised to clean up by MCC

Decision: The document was **Revised in 1272**.

R3-171272 **Response LS on Progress on Security for LWIP**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Abstract:

Information about enabling of the eNB - SeGW connectivity for LWIP

Discussion:

Decision: The document was **Agreed**.

NB-IoT

R3-170931 **LS on mobility enhancements for NB-IoT**
Source: 3GPP RAN WG2, Vodafone

Discussion:

Decision: The document was **noted**.

R3-171040 **Consideration on NB-IoT CP Mobility**
Source: Huawei

Discussion:

- An LS is expected for May meeting.

Decision: The document was **noted**.

R3-170950 **Support of RLF with UE Context Retrieval for CP CIoT Optimisation**
36.300 v14.2.0
Source: Ericsson

(Replaces R3-170826)

Discussion:

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

R3-170951 **Support of RLF with UE Context Retrieval for CP CIoT Optimisation**
36.413 CR-1498 rev 2 (Rel-14) v14.2.0
Source: Ericsson

(Replaces R3-170827)

Discussion:

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

R3-170952 **Support of RLF with UE Context Retrieval for CP CIoT Optimisation**
36.423 CR-1021 rev 2 (Rel-14) v14.2.0
Source: Ericsson

(Replaces R3-170828)

Discussion:

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

QoS for Priority Services

R3-170983 **TS 36.414 derivation of Diffserv code point marking includes ARP**
36.414 CR-0017 (Rel-14) v13.0.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the S1 interface.

Discussion:

Ericsson: changes to the cover page "**should** … for **clarification**" instead of "**must** … **alignment**". And in the consequences if not approved "missunderstanding" instead of misalignment.

Nokia: Prefer to keep alignment. This is an alignment with SA3 CR.

➔ chairman: changes to the cover page "**should**" instead of "**must**", and keep alignment.

Decision: The document was **revised in 1273**.

R3-171273 **TS 36.414 derivation of Diffserv code point marking includes ARP**
36.414 CR-0017r1 (Rel-14) v13.0.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the S1 interface.

Discussion:

Agreed unseen

Revised to correct version in the cover page

Decision: The document was **revised in 1388**.

R3-171388 **TS 36.414 derivation of Diffserv code point marking includes ARP**
36.414 CR-0017r2 (Rel-14) v14.0.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the S1 interface.

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-170984 **TS 36.424 derivation of Diffserv code point marking includes ARP**
36.424 CR-0024 (Rel-14) v13.1.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the X2 interface.

Discussion:

Same comments as above.

Decision: The document was **Revised in 1274**.

R3-171274 **TS 36.424 derivation of Diffserv code point marking includes ARP**
36.424 CR-0024r1 (Rel-14) v13.1.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the X2 interface.

Discussion:

Agreed unseen

Revised to correct version in the cover page

Decision: The document was **revised in 1389**.

R3-171389 **TS 36.424 derivation of Diffserv code point marking includes ARP**
36.424 CR-0024r2 (Rel-14) v14.0.0
Source: Applied Communication Sciences

Abstract:

Text is proposed to add the ARP as an example of other E-UTRAN traffic parameters, along with QCI, for DSCP marking of user plane transport over the X2 interface.

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

9 Corrections to Rel-13 or earlier releases

9.1 3G

R3-171134 **M3 configuration in MDT in UTRAN**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

9.2 LTE

R3-170946 **Consideration on the presence of Extended UE Identity Index Value**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-170947 **Correction on the presence of Extended UE Identity Index Value**
36.413 CR-1503 rev 1 (Rel-13) v13.5.0
Source: Huawei

(Replaces R3-170877)

Discussion:

Offline discussion to decide which change is needed and for which release.

➔ unified CR for Reel-13 and rel-14 or only REl-14 ?

Offline discussion results:

- Change is needed

- "The extended index shall be included, if supported" to be added for rel-13 and Rel-14

Decision: The document was **revised in 1275**.

R3-171275 **Correction on the presence of Extended UE Identity Index Value**
36.413 CR-1503 rev 2 (Rel-13) v13.5.0
Source: Huawei

(Replaces R3-170877)

Discussion:

Decision: The document was **Agreed**.

R3-170948 **Correction on the presence of Extended UE Identity Index Value**
36.413 CR-1504 rev 1 (Rel-14) v14.2.0
Source: Huawei

(Replaces R3-170878)

Discussion:

Decision: The document was **Revised in 1276**.

R3-171276 **Correction on the presence of Extended UE Identity Index Value**
36.413 CR-1504 rev 2 (Rel-14) v14.2.0
Source: Huawei

(Replaces R3-170878)

Discussion:

Agreable. Need to change category to A.

Decision: The document was **Revised in 1380**.

R3-171380 **Correction on the presence of Extended UE Identity Index Value**
36.413 CR-1504 rev 2 (Rel-14) v14.2.0
Source: Huawei

(Replaces R3-170878)

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171194 **Impact on paging from NB-IoT enhancements**
36.413 CR-1510 (Rel-14) v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171190 **Enable selection of paging narrowband in the eNB**
36.300 v13.7.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171191 **Enable selection of paging narrowband in the eNB**
36.300 v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171195 **Enable selection of NB-IoT paging carrier in the eNB**
36.300 v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-170976 **A problem with Xw-U extension header IDs**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-170977 **Correction of the PDU type numbers in the GTP extension header**
36.465 CR-0013 (Rel-13) v13.1.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- An LS to CT4 is needed

Decision: The document was **noted**.

R3-170978 **Correction of the PDU type numbers in the GTP extension header**
36.465 CR-0014 (Rel-14) v14.0.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171079 **LS on using GTP on Xw interface**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Revised in 1281**.

R3-171281 **LS on using GTP on Xw interface**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Agreed. Revised for MCC clean-up.

Decision: The document was **revised in 1381**.

R3-171381 **LS on using GTP on Xw interface**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-170962 **Overload action for exception reporting**
Source: Huawei

Discussion:

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

R3-170963 **Correction on Overload action for exception reporting**
36.413 CR-1508 (Rel-13) v13.5.0
Source: Huawei

Discussion:

Decision: The document was **revised in 1340**.

R3-171340 **Correction on Overload action for exception reporting**
36.413 CR-1508 (Rel-13) v13.5.0
Source: Huawei

Discussion:

Decision: The document was **Noted**.

R3-170964 **Correction on Overload action for exception reporting**

36.413 CR-1509 (Rel-14) v14.2.0
Source: Huawei

Discussion:

Decision: The document was **revised in 1341**.

R3-171341 **Correction on Overload action for exception reporting**
36.413 CR-1509 (Rel-14) v14.2.0
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171080 **Correction to add Security Context in UE Context Suspend Response and Resume response messages**
Source: NEC

Discussion:

Decision: The document was **noted**.

R3-171081 **(Draft-CR)Correction of missing security information in Suspend and Resume messages**
36.413 v13.5.0
Source: NEC

Discussion:

- Turn into a CR.

- Rewording of section 8.3.8.2 is needed

Decision: The document was **noted (Turned into a CR)**.

R3-171282 **Correction of missing security information in Suspend and Resume messages**
36.413 CR1514 (Rel-13) v13.5.0
Source: NEC

Discussion:

Decision: The document was **Agreed**.

R3-171283 **Correction of missing security information in Suspend and Resume messages**
36.413 CR1515 (Rel-14) v14.2.0
Source: NEC

Discussion:

Decision: The document was **Agreed**.

R3-171196 **Enable selection of paging narrowband in the eNB**
36.300 v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171202 **Enable selection of paging narrowband in the eNB**
36.300 v13.7.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171246 **Clarification of UE-AMBR support for NB-IoT UE**
Source: NTT DOCOMO INC.

Discussion:

- It is decided that AMBR is ok for UP.

- No consensus in RAN2 for AMBR CP solution. Impact on RAN3 is not clear (discussion to be continued)

Decision: The document was **noted**.

R3-171258 **Response paper to R3-171246**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171135 **Correction of M3 configuration in MDT**
Source: Ericsson

Discussion:

- Draft an LS to SA5 on RAN3 range selection. LS in R3-171284

Decision: The document was **noted**.

R3-171284 **LS on RAN3 range selection**
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1382**.

R3-171382 **LS on RAN3 range selection**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

R3-171131 **Correction of MDT M3 Configuration**
36.413 CR-1496 rev 1 (Rel-13) v13.5.0
Source: Ericsson, Sprint

(Replaces R3-170669)

Discussion:

Decision: The document was **noted**.

R3-171132 **Correction of MDT M3 Configuration**
36.413 CR-1497 rev 1 (Rel-14) v14.2.0
Source: Ericsson, Sprint

(Replaces R3-170670)

Discussion:

Decision: The document was **noted**.

10 New Radio Access Technology (RAN1-led) WI

R3-170932 **Reply to LS on user plane security termination**
Source: 3GPP RAN WG2, Nokia

Discussion:

Decision: The document was **noted**.

R3-170937 **LS on security in E-UTRA-NR Dual Connectivity**
Source: 3GPP RAN WG2, Ericsson

Discussion:

Decision: The document was **noted**.

R3-170939 **LS on interworking and migration for 5GS and EPS (including Option 3)**
Source: 3GPP SA WG2, NTT DOCOMO

Discussion:

Decision: The document was **noted**.

R3-170942 **Reply LS on management of network slices for transport and virtualization aspects**
Source: 3GPP TSG SA, Ericsson

Discussion:

Offline discussion to decide if there is a need to reply to this LS. Draft reply LS in R3-171286

Decision: The document was **noted**.

R3-171286 **Reply LS on management of network slices for transport and virtualization aspects**
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1386**.

R3-171386 **Reply LS on management of network slices for transport and virtualization aspects**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

R3-170940 **LS on N2 and N3 reference points for 5G system**
Source: 3GPP SA WG2, Nokia

Discussion:

Decision: The document was **noted**.

R3-170949 **Inter-eNB mobility with LWA active**
36.300 v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell, Intel Corporation

(Replaces R3-170356)

Discussion:

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

10.1 Stage 2

10.1.1 Status of stage 2 work

R3-171106 **TS 38.300 Structure**
Source: Nokia (Rapporteur)

Abstract:

High-level principles for TS 38.300 structure

Discussion:

- How to offload 38.300 from RAN3 details e.g. procedure specifics (section 19, 20), for more case by case, if any.

- In Principle avoid duplication between specification.

- Keep the current structure unless we see issue or opportunity to reduce specification.

It was agreed that:

- 38.401 to capture functions list and definitions

- 38.410/420/4x0 to capture the procedures list

Decision: The document was **noted**.

- Task for next meeting to Rapporteur of 401/410/420/4x0 to come with a full picture including where to include the procedure specifics from 300.

R3-171107 **TS 38.300 Drafting Details**
Source: Nokia (Rapporteur)

Abstract:

Background information behind the first version of TS 38.300, including terminology

Discussion:

Decision: The document was **noted**.

Clarifications/Agreements:

- As agreed by RAN, NG-RAN is used in spec name

-Note for NR and NG: NG and NR are used in a monolithic manner, as suggested in RAN, and not as abbreviations.

-The naming of the core follows TS 23.501 i.e. 5GC.

R3-171108 **TS 38.300 - proposed initial version**
Source: Nokia (Rapporteur)

Abstract:

Initial version of TS 38.300 proposed to RAN2 (not yet endorsed)

Discussion:

- 4.1 & 4.2 ➔ RAN3

- section 14 might need new title tbc ….

- CU-DU tbc pending impact on RAN2 for details.

TPs form RAN3 should be integrated in the TS after each meeting by the rapporteur

Decision: The document was **noted**.

R3-171109 **RAN3 implications of TS 38.300 structure and drafting principles**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171126 **Discussion for Skeleton of TS 38.410**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171027 **Initial Consideration on Stage 2 of RAN3 Relevance**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171062 **Draft Skeleton on new TS 37.340 DC/MC**
Source: ZTE Corporation

Abstract:

Draft TS, Rel-15,NR_newRAT

Discussion:

Decision: The document was **revised in 1303**.

R3-171303 **Draft Skeleton on new TS 37.340 DC/MC**
Source: ZTE Corporation

Discussion:

- RAN2's TR. For information to RAN3.

- Rapporteur to provide work split by next meeting.

Decision: The document was **revised in 1384**.

R3-171384 **Draft Skeleton on new TS 37.340 DC/MC**
Source: ZTE Corporation

Discussion:

- RAN2's TR. For information to RAN3.

- Rapporteur to provide work split by next meeting.

Decision: The document was **noted**.

R3-171063 **Initial TP on TS 37.340 DC/MC**
Source: ZTE Corporation

Abstract:

TP, Rel-15,NR_newRAT

Discussion:

Decision: The document was **revised to R3-171269**.

R3-171269 **Initial TP on TS 37.340 DC/MC**
Source: ZTE Corporation

(Replaces R3-171063)

Discussion:

Decision: The document was **revised in 1385**.

R3-171385 **Initial TP on TS 37.340 DC/MC**
Source: ZTE Corporation

(Replaces R3-171063)

Discussion:

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

R3-171084 **On the scope of TS 37.340 on Multi-connectivity and possible worksplit with TS 38.300**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

- The chairman has concerns on the proposal.

Decision: The document was **noted**.

R3-171089 **Functions to support accelerated NR non-standalone deployment**
Source: Qualcomm Incorporated

Discussion:

- There is no agreement if there is a Network sharing issue with SgNB or not.

Decision: The document was **noted**.

10.1.2 TP RAN2-led

10.1.3 TP RAN3-led

R3-171051 **Overall architecture for stage 2**
Source: Samsung

Discussion:

- No re-use of eLTE eNB.

Decision: The document was **noted**.

R3-171136 **Overall NG RAN Architecture**
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1327**.

R3-171327 **Overall NG RAN Architecture - attempt for a TP for TS 38.300**
Source: Ericsson

Discussion:

Agreement:

NG-C/U name is confirmed for the itf between NG-RAN and 5GCN

Rapporteur to take this into account

Decision: The document was **Noted**.

R3-171093 **TP for overall architecture**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

- Do NG-RAN nodes needs to be renamed?

Decision: The document was **noted**.

R3-171067 **NG-RAN Architecture – stage-2 description**
Source: Intel Corporation

Discussion:

- CU-DU split should have high level description in 38.300 (short) with reference to 38.401

Decision: The document was **noted**.

R3-171052 **NG interface description for stage 2**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171146 **Stage 2 description of the NG interface**
Source: Ericsson

Discussion:

- no eLTE eNB == > use FFS

- Function name generic: Setup / Reset

- No need of the procedures names

== > prepare a TP. TP in R3-171328

Decision: The document was **noted**.

R3-171328 Stage 2 description of the NG interface

Source: Ericsson

Discussion:

Broadcom: has concern that RAN3 does not take into account the status of connection to N3IWF.

Intel, Broadcom: This is part of the WI scope.

Chairman: Chairman and repporteur's view is that discussion on N3IWF is not part of the WI.

== > RAN3 will design NG interface in order to enable to reuse of NG protocol function for interfacing of N3IWF with 5G-CN. Discussion has lower priority now, with regards to the progress of other topics clearly identified in NR.

Chairman to report to RAN.

Discussion to take place in RAN if a revision of the WID is needed to clarify.

Decision: The document was **revised in 1390**.

R3-171390 Stage 2 description of the NG interface

Source: Ericsson

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171045 Xn Interface description for stage 2

Source: Samsung

Discussion:

- Prepare a TP on R3-171330

Decision: The document was **noted**.

R3-171330 TP on Xn Interface description for stage 2

Source: Samsung

Discussion:

Decision: The document was **Agreed**.

R3-171095 **TP for N2/N3 interface description**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171091 **Network entity related Identities in NG-RAN**
Source: Qualcomm Incorporated

Discussion:

- replace CSG by FFS

- Rename GUAMFI to == > AMFC

- Replace Global eNB ID by FFS

- Remove all what is not sure e.g CSG, broadcast, ..

== >

Prepare a TP on R3-171331

Decision: The document was **noted**.

R3-171331 **TP on Identities in NG-RAN**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **revised in 1391**.

R3-171391 **TP on Identities in NG-RAN**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **Agreed**.

R3-171092 **Text Proposal for Network entity related Identities in NG-RAN**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171137 **NG RAN Node Definition and Node Identification**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171014 **Stage 2 TP for Functional split between NG-RAN and 5G-CN**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171094 **TP for function split**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

Prepare a TP on R3-1713312

Decision: The document was **noted**.

R3-171332 **TP to 38.300 on function split**
38.300 v..
Source: ZTE, Qualcomm Incorporated

Discussion:

Decision: The document was **revised in 1392**.

R3-171392 **TP to 38.300 on function split**
38.300 v..
Source: ZTE, Qualcomm Incorporated

Discussion:

Decision: The document was **Agreed**.

R3-171096 **TP for Xn interface description**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171329 **TP for 38.300 updates**
38.300 v..
Source: Nokia

Discussion:

- Add TP Stage 2 from R3-171147

- Add TP from R3-171390 , R3-171330, R3-171395, R3-171353, R3-171336, R3-171398, R3-171399, R3-171344, R3-171391, R3-171392

Decision: The document was **Endorsed**.

10.1.4 Others

10.2 QoS

R3-171138 **QoS – stage 3 related aspects**
Source: Ericsson

Discussion:

Decision: The document was **revised in 1347**.

R3-171347 **QoS – stage 3 related aspects**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

R3-171025 **Discussion on the QoS information delivery via NG**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171113 **RAN Awareness of Default QoS Profile**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

== >- Discussion to be continued.

Decision: The document was **noted**.

R3-171010 **Discussion on PDU Session Notification Control for NG interface**
Source: CATT

Discussion:

- To be discussed with SA2 if the notification is needed or not.

Decision: The document was **noted**.

R3-171125 **PDU Session Modification procedure**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- FFS for QoS flow notification

- This TP should add TP in R3-171165 + FFS.

Decision: The document was **revised in 1348**.

R3-171348 **PDU Session Modification procedure**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- Editorial updates + remove of S1-AP

Decision: The document was **revised in 1393**.

R3-171393 **PDU Session Modification procedure**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171372 **TP for XnAP PDU session management**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171165 **PDU Session related aspects**
Source: Ericsson

Discussion:

== > to be merged in R3-171348.

Decision: The document was **noted**.

R3-171114 **RAN Impact from NAS Reflective QoS**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

== > Waiting for RAN2 input and signalling (if any RAN3 impact).

Decision: The document was **noted**.

R3-171026 **Discussion on the activation of reflective QoS**
Source: ZTE Corporation

Discussion:

== > Waiting for RAN2 input and signalling (if any RAN3 impact).

Decision: The document was **noted**.

R3-171008 **Discussion on QoS flow remapping**
Source: CATT

Discussion:

Decision: The document was **withdrawn**.

R3-171009 **Discussion on QoS flow remapping**
Source: CATT

Discussion:

== > - Pending RAN2 agreement. Need to check RAN2's agreements before any progress in the subject.

Decision: The document was **noted**.

R3-171046 **Data Forwarding in Handover**
Source: Samsung

Discussion:

== > - Pending RAN2 agreement. Need to check RAN2's agreements before any progress in the subject.

Decision: The document was **noted**.

R3-171072 **Data forwarding with QoS flow relocation**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171100 **Granularity of data forwarding in handover**
Source: Qualcomm Incorporated

Discussion:

== > - Pending RAN2 agreement. Need to check RAN2's agreements before any progress in the subject.

Decision: The document was **noted**.

R3-171249 **NR DC Architecture**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171011 **QoS for eLTE and NR interworking**
Source: CATT

Discussion:

- There is no agreement whether the SNB or MNB decides the mapping.

➔ Pending to RAN2 progress. RAN2 defined the new layer SD-AP (SD-AP may provide the mapping)

Decision: The document was **noted**.

R3-170955 **Issues on QoS in NG-RAN**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **noted**.

R3-171070 **Considerations on RAN3 impacts from QoS flow framework**
Source: Intel Corporation

Discussion:

Decision: The document was **noted**.

R3-171254 **Open issues for QoS**
Source: Huawei

Discussion:

Decision: The document was **noted**.

10.3 Realization of Network Slicing

R3-171115 **Usage of Slice ID and NSSAI**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171141 **Signalling aspects of network slicing**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171142 **[DRAFT] LS regarding RAN support for NW slicing (To: SA2, RAN2; Cc: CT1)**
Source: Ericsson

Discussion:

Decision: The document was **merged to 1349**.

R3-171266 **Response to R3-171142**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **merged to 1349**.

R3-171349 **[DRAFT] LS regarding RAN support for NW slicing (To: SA2, RAN2; Cc: CT1)**
Source: Huawei

Discussion:

Agreed. Revised for cleanup by MCC

Decision: The document was **revised in 1394**.

R3-171394 **LS regarding RAN support for NW slicing (To: SA2, RAN2; Cc: CT1)**
Source: Huawei

Discussion:

Agreed. Revised for cleanup by MCC

Decision: The document was **agreed**.

R3-171140 **Stage 2 aspects of CN Instance selection signalling**
Source: Ericsson

Discussion:

➔ Prepare a TP to 38.300. TP in R3-171350

Decision: The document was **noted**.

R3-171350 **TP To 38.300: Stage 2 aspects of CN Instance selection signalling**
Source: Ericsson

Discussion:

- In the figure, add FFS into the List NSSAI where it is missing

Decision: The document was **revised in 1395**.

R3-171395 **TP To 38.300: Stage 2 aspects of CN Instance selection signalling**
Source: Ericsson

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171128 **Discussion on slice availability during mobility**
Source: LG Electronics

Discussion:

Decision: The document was **noted**.

R3-171029 **NW Slice Availability Handling Approaches During Mobility**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171047 **RAN supporting Network Slicing**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171250 **Slice Awareness of Availability during Mobility**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171251 **Further Discussion on Slice Re-mapping**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171012 **Discussion on Slice-aware mobility**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171116 **Connected mode mobility with slicing**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171117 **LS on slice re-mapping during Connected mode mobility**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- cc CT1 WG

Decision: The document was **revised in 1352**.

R3-171352 **LS on slice re-mapping during Connected mode mobility**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Agreed. Revised for cleanup by MCC

Decision: The document was **revised in 1396**.

R3-171396 **LS on slice re-mapping during Connected mode mobility**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171129 **Mobility procedure considering network slice**
Source: LG Electronics

Discussion:

Decision: The document was **noted**.

R3-171143 **Slice re-mapping or removal during mobility**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171144 **[DRAFT] LS to SA2 on slices and mobility (To: SA2; Cc: CT1)**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171139 **RAN aspects of NW slicing in Stage 2 specifications**
Source: Ericsson

Discussion:

➔ Introduce a TP to 38.300

Decision: The document was **noted**.

R3-171353 **TP to 38.300: RAN aspects of NW slicing in Stage 2 specifications**
Source: Ericsson

Discussion:

Decision: The document was **agreed**.

R3-171252 **Dual Connectivity for Slicing**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171097 **TP for network slicing description**
38.300 v..
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

10.4 Support of Self-Organising Network (SON) functions

R3-171335 **NR SON session report**
Source: Ericsson (Session Chair)

Discussion:

Decision: The document was **noted**

R3-170993 **Consideration on ANR and Xx/Xn setup procedure**
Source: CATT

Discussion:

1) ANR as defined in E-UTRAN is “baseline” (i.e. to manage NRT) for corresponding function in NR:

- detection/maintenance of neighbor relations

- reporting of neighbors to CN

- OAM attributes?

2) How to resolve PCI conf/coll?

RAN1 input is needed

3) Xx/Xn interface setup & info; neighbor info? relationship to multiple DUs; MBMS and CSG related information need not be included; GU Group ID? LHN ID?

DUs are not visible by UEs: UEs only "see" cells; DUs seem unrelated to ANR.

Decision: The document was **noted**.

Agreement:

Principles of ANR and automated interface setup (X2, S1) in LTE are the baseline of 5G system (Xn, NG)

How does eNB get IP address of gNB?
Is Xx/X2 established only between eNB and the gNB who can be configured as secondary node? (no consensus)
To be continued…

R3-171336 **ANR and TNL address discovery for NG RAN – stage 2 TP**
38.300 v..
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

R3-171337 **ANR and TNL address discovery for NG RAN – TP for NGAP**
38.413 v..
Source: Ericsson

Discussion:

TP to be agreed to be merged in the TR, but the rapporteur to remove UE retention information.

Decision: The document was **Agreed**.

R3-171338 **ANR and TNL address discovery for NG RAN – TP for XnAP**
38.423 v..
Source: Ericsson

Discussion:

Nokia, CATT: It is was not decided if a gNB can serve NR and E-UTRA cell. This document suggest it is the case.

Ericsson: This is not the case.

Nokia: can we change the editor's note in the XN SETUP REQUEST section to say: "Editor's Note: The structure and text in this chapter is FFS".

Change proposed by Nokia is agreed. To be reflected by rapporteur.

Decision: The document was **Agreed**.

10.4.1 Automatic Neighboring Relation (ANR)

R3-171015 **ANRF for NR**
Source: ZTE Corporation

Discussion:

- Reusing LTE ANRF as the baseline solution for NR ANRF

Decision: The document was **noted**.

R3-171085 **Automatic Neighbouring Relation in NR**
Source: China Mobile Com. Corporation

Discussion:

- Both Intra-NR ANR and Inter-RAT ANR between E-UTRA and NR should be supported

- Avoid ultra-far neighboring relation maintenance in NR

Decision: The document was **noted**.

R3-171189 **Discussion on ANR for New Radio**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- Enhance the X2 interface in order to enable construction of NRT in the gNB and also enhance legacy E-UTRAN NRT to include 5G neighbor relations

- (step 1) provide OAM requirements for attributes for three new types of neighbour relations: E-UTRAN cell -> NR cell, NR cell -> E-UTRAN cell and NR cell -> NR cell

- (step 2) enable exchange of 4G and 5G neighbour relations using the Xn interface.

Decision: The document was **noted**.

R3-171201 **Discussion on ANR for New Radio**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **withdrawn**.

R3-171226 **Automatic Neighbour Relation in NR**
Source: Huawei

Discussion:

- allow the UE to report beam specific info of common channel of neighbors together with cell identity during ANR report procedure

- exchange beam specific info of common channel of neighbor cells in Xn setup and configuration update procedures

- Beams should not be “visible” in ANR…

- Pending RAN2…

- Measured vs. OAM info?

Decision: The document was **noted**.

10.4.2 NG/Xx/Xn setup

R3-171048 **Xx interface Setup**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171145 **ANR and TNL address discovery for NG RAN**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171336 **TP for 38.300: ANR stage 2**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**

R3-171337 **TP for 38.413: ANR NG**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**

R3-171338 **TP for 38.423: ANR XnAP**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**

10.5 Support for PWS

10.6 Radio Access Network connected to 5G-CN

R3-171057 **Discussion on Mobility Restrictions**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171058 **Stage2 description for Mobility Restrictions**
Source: Samsung

Discussion:

Decision: The document was **Revised in 1387**.

R3-171387 **Stage2 description for Mobility Restrictions**
Source: Samsung

Discussion:

Ericsson: ECM-CONNECTED should be changed to ➔ CN-CONNECTED. And also correct the last sentence.

Decision: The document was **revised in 1398**.

R3-171398 **Stage2 description for Mobility Restrictions**
Source: Samsung

Discussion:

Agreed unseen with the changes above.

Decision: The document was **Agreed**.

10.7 Intra NG-RAN mobility in RRC_CONNECTED (mode)

R3-171120 **Intra-NG RAN lossless handover and data forwarding**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171147 **Intra 5G System Handover**
Source: Ericsson

Discussion:

TP to be merged for Stage 2 (in R3-171329).

TP to be merged for NG-AP (in R3-171209) + Remove the last 2 IEs + FFS on NG-C UE.

TP to be merged for Xn-AP (in R3-171172) + Remove the last 2 IEs + FFS on NG-C UE.

Decision: The document was **Agreed**.

R3-171148 **Lossless intra-system handover with 5G-CN**
Source: Ericsson

Discussion:

Proposal one is agreed:

Proposal 1 The LTE lossless intra-RAT handover procedures over the S1/X2 interfaces should be used as a basis for designing the lossless intra-system handover procedure for NR and LTE-5G-CN over the NG/Xn interfaces.

We discuss in the next meeting how to capture it.

Decision: The document was **noted**.

R3-171253 **Intra-system, Intra-RAT mobility in RRC_CONNECTED**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171118 **Evaluation and Usage of Path Switch Options**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171119 **Text Proposal for TS 38.413 for Path Switch Request**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

10.8 Intra NG-RAN mobility in RRC_INACTIVE (mode)

R3-170985 **Discussion on RAN initiated paging**
Source: CATT

Abstract:

NR_newRAT-Core

Discussion:

The following is agreed:

Agreement:

RAN Initiated RAN over the air (OTA) and over Xn, is agreed.

Decision: The document was **Noted**.

R3-170986 **Handling of data and signallings**
Source: CATT

Abstract:

NR_newRAT-Core

Discussion:

The following are agreed:

Agreements:

- Context fetch between the new gNB and the old gNB should be supported over Xn
- Data forwarding between the gNBs should be supported
- Path switch procedure should be used to relocate the NG connection from old anchor gNB to the new gNB

Decision: The document was **noted**.

R3-170987 **Discussion on RAN-based notification area update**
Source: CATT

Abstract:

NR_newRAT-Core

Discussion:

RAN-based notification area update procedure == > new proposal.

There is no agreement about this. Pending to RAN2 decision.

Decision: The document was **noted**.

R3-171061 **Discussion on Intra NG-RAN mobility in RRC_INACTIVE**
Source: Samsung

Discussion:

- E-UTRA part of NG-RAN (i.e. UE connect to eNB which connect to NG core) support is pending to RAN2 (INACTIVE 5G STATE).

== > discussion to be continued

Decision: The document was **noted**.

R3-171121 **RAN-based Notification Area**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- There is no agreement if Both options, list of cells and RAN Area IDs, should be supported as RAN-based Notification Area for INACTIVE_STATE.

== > it is for further study.

Decision: The document was **noted**.

R3-171122 **Paging Initiation in Inactive-State**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- There is no agreement whether RAN is to transfer the paging initiator role to the CN.

== > it is for further study.

Decision: The document was **noted**.

R3-171130 **Discussion on inter-gNB mobility in RRC_INACTIVE**
Source: LG Electronics

Discussion:

Decision: The document was **noted**.

R3-171149 **Inactive Mode in NG RAN**
Source: Ericsson

Discussion:

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

R3-171370 **Inactive Mode in NG RAN – stage 2 TP**
Source: Ericsson

Discussion:

CATT: (editorial) The arrows in Figure x.y.z.3-1 should reach the UE.

Samsung: - Resume ID should be FFS in the figure. RAN2 has not decided yet.

== > Revised to reflect these changes.

Decision: The document was **revised in 1399**.

R3-171399 **Inactive Mode in NG RAN – stage 2 TP**
Source: Ericsson

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171371 **Inactive Mode in NG RAN - stage 3 TP**
Source: Ericsson

Discussion:

Samsung: extension of the FFS for the generic procedure description for retrieval

CATT: RAN is not decided yet on the name of RAN paging, in Figure X.Y2.2-1 should be FFS.

TP agreed. Rapporteur to take care of these changes: extension the FFS for the generic procedure description for retrieval + may be new name for RAN paging

Decision: The document was **Agreed**.

R3-171223 **RAN-based notification area configuration**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171224 **General considerations for RRC_INACTIVE in RAN3**
Source: Huawei

Discussion:

- There is no agreement if gNB may deliver the UE context to the gNBs in the RNA.

== > it is for further study.

Decision: The document was **noted**.

10.9 NR parts of inter-RAT mobility between NR and E-UTRA

R3-171240 **NR-LTE handover under NGC**
Source: Huawei

Discussion:

- check CB on mobility.

Decision: The document was **noted**.

R3-171241 **Discussion on inter-system intra-RAT handover**
Source: Huawei

Discussion:

Discussion to be continued in future meetings:

- check if it is possible with the existing procedures.

- Then further clarify the scenario.

Decision: The document was **noted**.

R3-171028 **Data Forwarding and Flow Control in NG Interface**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

- This is not related to RAN3. This is SA2 and CT responsibility.

Decision: The document was **noted**.

10.10 Dual Connectivity options

10.10.1 E-UTRA-NR DC via EPC where the E-UTRA is the master

R3-171248 **Discussion on unified interface Xx and X2 in option 3/3a/3x**
Source: China Unicom

Discussion:

Agreement:

X2 Interface will be enhance to achieve 3/3a/3x options. i.e. X2-AP and X2 specification between eNB and gNB for the EN-DC when eNB is the master node.

Decision: The document was **noted**.

Agreement:

X2 Interface will be enhance to achieve 3/3a/3x options. i.e. X2-AP and X2 specification between eNB and gNB for the EN-DC when eNB is the master node.

R3-171005 **WF on S1/Xx specification for Option 3 family**
Source: NTT DOCOMO INC.

Abstract:

This contribution proposes WF on S1/Xx specification to support Option 3 family.

Discussion:

Agreement:

S1-C/U is also re-used for 3/3a/3x, if any impact

Decision: The document was **noted**.

Agreement:

S1-C/U is also re-used for 3/3a/3x, if any impact

R3-170944 **Consideration on Xx interface for option 3/3a/3x**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **noted**.

R3-171150 **Option 3: TNL address discovery and inter-NR-node signalling**
Source: Ericsson

Discussion:

- There is no agreement if a solution should be set-up instead of OAM.

== > **Proponents to converge to solutions**

Decision: The document was **noted**.

R3-171157 **Discussion Setup message for option 3/3a**
Source: Ericsson

Discussion:

Agreement:

- In principle we re-use existing X2 procedures. However, in a case by case, a new procedure may be set-up.

- How to trigger X2 Setup or Xx Setup is based on UE measurements

- It is FFS if a new X2 Setup procedure will be used

== > TP to be merged with BL CR all the proposal is FFS

Decision: The document was **revised in 1366**.

R3-171366 **Discussion Setup message for option 3/3a**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171000 **Extending X2 for LTE-NR interworking**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-170999 **Introduction of LTE-NR Tight Interworking functionality**
36.300 v..
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- ZTE has concern on Target specification.

Decision: The document was **noted**.

R3-171151 **Stage 2 Work for Option 3**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171152 **Introduction of option 3 – Dual Connectivity with NR in E-UTRAN – RAN3 parts**
36.300 v14.2.0
Source: Ericsson

Discussion:

- There is no agreement wither to use NR or introduce gNB.

Decision: The document was **noted**.

R3-171232 **Stage-2 for Option 3/3a/3x**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171153 **Stage 3 Work for Option 3 – Xx Control Plane**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171154 **Introduction of option 3 – Dual Connectivity with NR in E-UTRAN**
36.423 CR-1027 (Rel-15) v14.2.0
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171233 **Procedures for Option 3/3a/3x**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171376 **TP for stage-3 of Option 3/3a/3x**
Source: Huawei

Discussion:

Ericsson: Can not agree on that (no agreement on the new procedures).

Discussion on new procedures: To be continued.

Agreement:

From a functional point of view, the document reflect what was discussed so far. It should be the starting point for further discussion in the coming meeting.

Decision: The document was **Noted**.

R3-171234 **New IEs design for Option 3/3a/3x**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171155 **Stage 3 Work for Option 3 – Xx User Plane**
Source: Ericsson

Discussion:

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

R3-171156 **Introduction of option 3**
36.425 CR-0009 (Rel-15) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **revised in 1342**.

R3-171342 **Introduction of option 3**
36.425 CR-0009 rev1 (Rel-15) v14.0.0
Source: Ericsson

Discussion:

Baseline CR

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

R3-170998 **Enhancements to the flow control for LTE-NR interworking**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- To be continued next meeting with a CR against the BL-CR.

Decision: The document was **noted**.

R3-171210 **Choices of gNB ID in option 3**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171049 **Support of SCG Split Bearer in Option 3**
Source: Samsung

Discussion:

Proposal for Agreement:

- For the SCG Split bearer, the S1 UL TNL address and X2 DL TNL address are included in the Snode Addition.

- For the SCG Split bearer, the S1 DL TNL address and X2 DL TNL address are included in the Snode Addition.

- To be reflected in stage 2/3.

Ericsson is not fine with having this as an agreement.

Chairman: ➔ Proposal is fine in principle. Samsung to check if this is captured in Stage 2/3

Decision: The document was **noted**.

R3-171035 **Consideration on SCG split bearer**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **noted**.

R3-171383 **Understandings on addition of SCG bearer/SCG Split bearer**
Source: LG Electronics Inc.

Discussion:

- reference as an option issue for next meeting.

Decision: The document was **noted**.

R3-170989 **Consideration on bearer type change for SCG split bear**
Source: CATT

Discussion:

- There might be a RAN2 impact.

- Change of split bearer option …. To be continued

Decision: The document was **noted**.

R3-171238 **Allowed bearer type change options**
Source: Huawei

Discussion:

- There might be a RAN2 impact.

- Change of split bearer option …. To be continued

Decision: The document was **noted**.

R3-170997 **Autonomous adress discovery for X2 Setup for options 3/3A/3x**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **withdrawn**.

R3-170988 **Consideration on SeNB change procedure**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171090 **Support Xx based on X2**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171257 **Procedures for secondary node change**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171006 **Consideration on UE capability coordination between eNB and gNB for option 3/3a/3x**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **revised in 1343**.

R3-171343 **List of Open Issues on X2AP to support Option 3/3a/3x**
Source: LG Electronics Inc.

Discussion:

- Need to put RRC diversity between brackets.

- Bearer type is pending RAN2 decision.

Decision: The document was **revised in 1409**.

R3-171409 **List of Open Issues on X2AP to support Option 3/3a/3x**
Source: LG Electronics Inc.

Discussion:

Endorsed unseen

Decision: The document was **Endorsed**.

R3-171034 **Further Consideration on UE Capability Re-negotiation Procedures**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171102 **UE Radio Capability handling for Option 3**
Source: Qualcomm Incorporated

Discussion:

- Pending to RAN2 decision.

Decision: The document was **noted**.

R3-171237 **Transmission of Secondary Node RRC message**
Source: Huawei

Discussion:

- Pending to RAN2 decision.

Decision: The document was **noted**.

R3-171239 **Support of RRC diversity**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171030 **Some Issues with EN-DC Option 3 Series**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171031 **Initial TP on the Basic EN-DC Procedures on Skeleton TS37.340**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171339 **Introduction of LTE-NR Tight Interworking functionality**
Source: Nokia

Abstract:

Discussion:

- Fix NR (double abbreviation, NR monolithic term)

- Action to Nokia how to split the TP with regards to Stage2ssss

Text in the document is endorsed.

Document it self is noted (to not be sent to RAN2).

Decision: The document was **noted**.

10.10.2 E-UTRA-NR DC via 5G-CN where the E-UTRA is the master

R3-170945 **Procedures aspects for Option 7/7a/7x**
Source: LG Electronics Inc.

Discussion:

Proposal 3: Secondary node change procedure == > Proposal is fine but solution needs to be checked (possible security impacts).

== > it is for further study

Decision: The document was **noted**.

R3-171033 **Consideration on Secondary Node Change procedure**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171032 **Further Consideration on NR-LTE Dual Connectivity**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

Decision: The document was **noted**.

R3-171050 **Support of E-UTRA-NR DC**
Source: Samsung

Discussion:

- Whether on PDU session can be split between 2 RAN nodes in DC context is FFS

- Pending LS from SA2.

Decision: The document was **noted**.

R3-171158 **NR DC Options and How to Support Them**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171159 **NR DC Signaling Procedures – Options 7/7a/7x**
Source: Ericsson

Discussion:

- Capture the principle with FFS in principle 1 / principle 2.

- Capture FFS from R3-170945 and R3-171050

Decision: The document was **revised in 1344**.

R3-171344 **NR DC Options 7/7a/7x – General Principles**
Source: Ericsson

Discussion:

To be merged in 38.300

Decision: The document was **Agreed**.

R3-171160 **NR DC Procedures TP**
Source: Ericsson

Discussion:

- Merge with TP from R3-171235

- Remove TP (with justification) if needed.

Decision: The document was **revised in R3-171345**.

R3-171345 **NR DC Procedures TP**
Source: Ericsson

Discussion:

Agreed that: FFS is also applied to the titles.

Decision: The document was **Agreed**.

R3-171235 **Procedures for Option 7/7a/7x**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171236 **New IEs design for Option 7/7a/7x**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171161 **NR DC User Plane TP**
Source: Ericsson

Discussion:

Decision: The document was **revised in 1346**.

R3-171346 **NR DC User Plane TP**
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

10.10.3 NR-E-UTRA DC via 5G-CN where the NR is the master

10.10.4 Others

10.11 High layer functional split

10.11.1 CU-DU interface principle and definition

R3-171003 **CU-DU interface: Relation between CU and DU**
Source: NTT DOCOMO INC.

Abstract:

As a first step in defining general principles for the higher layer split CU-DU interface, we assess whether the CU and DU would have a “horizontal relation” (similar to MeNB and SeNB for LTE Dual Connectivity) or a “vertical relation” (similar to RNC and NodeB for the 3G).

Discussion:

Decision: The document was **noted**.

R3-171086 **Discussion on the interface between CU and DU**
Source: China Mobile Com. Corporation

Discussion:

Agreement:

- New interface CU-DU

- The new interface is made of CP and UP interfaces with associated procedures.

Decision: The document was **noted**.

== >

Agreement:

- New interface CU-DU

- The new interface is made of CP and UP interfaces with associated procedures.

R3-170953 **Basic Decisions for the CU-DU interface**
Source: Interdigital Asia LLC

Discussion:

Decision: The document was **noted**.

Agreement:

Name of the CU-DU interface is F1.

Agreement:

F1 Spec series: 38.470, 38.471, 38.472, 38.473, 38.474, 38.475. Numbers' availability is to be confirmed by MCC and WID is to be updated by next RAN plenary

Agreement:

CP Uses SCTP/IP, other alternatives, if any, are FFS.

UP uses GTP/UDP/IP, other alternatives, if any, are FFS.

R3-170954 **CU-DU interface principles and functions**
Source: LG Electronics Inc.

Discussion:

No agreement about Polling concept for CU … flex concept

== > This is for further study

Decision: The document was **noted**.

R3-170956 **Fs general aspects and principles – 38.4x0**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

- No agreement about the proposal 4 of the document.

== > FFS

Decision: The document was **revised in 1362**.

R3-171362 **F1 interface RAN3 stage 2 - 38.401**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

- TP for 38.401.

- Open issues are included in the document. The rapporteur to move them into the excel sheet.

Decision: The document was **Agreed**.

R3-171225 **Further Consideration on CU-DU architecture**
Source: Huawei

Discussion:

- There is no agreement about the meaning of cell management.

- There is no agreement whether a cells can cross one or more DU.

== > These are For further study.

Agreement:

- DU could support one or more cells.

Working assumption:

- WA internal structure of the gNB is not visible to the CN, to the other RAN nodes[, to the UE, to the FMC and WLAN].

Decision: The document was **noted**.

Agreement:

- DU could support one or more cells.

Working assumption:

- WA internal structure of the gNB is not visible to the CN, to the other RAN nodes[, to the UE, to the FMC and WLAN].

R3-171004 **CU-DU interface: Overall categorization of C-plane and U-plane**
Source: NTT DOCOMO INC.

Abstract:

In this contribution, we provide a TP for overall categorization of C-plane and U-plane for the CU-DU interface for the Higher layer split.

Discussion:

- There is no agreement about how to transport the RRC message i.e. over CP or over UP or over both.

== > This is FFS

Decision: The document was **noted**.

R3-171162 **Principles of Interface Design for High Layer Split Option 2**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-170974 **Control plane functions for High Layer split**
Source: IAESI, Thales, Fairspectrum, VTT

Discussion:

Decision: The document was **noted**.

R3-170990 **Analysis on function split between CU and DU**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171018 **CU-DU interface**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171064 **Architecture for CU-DU Split**
Source: Samsung R&D Institute UK

Discussion:

Decision: The document was **noted**.

R3-171099 **Discussion on principles of the Fs interface**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171163 **CU-DU interface functions**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171220 **Considerations on the control plane functions located in DU**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171001 **CU-DU interface: C-plane functions**
Source: NTT DOCOMO INC.

Abstract:

In this contribution, we provide a TP for C-plane functions.

Discussion:

Decision: The document was **noted**.

R3-171016 **Stage 2 specification structure for CU-DU interface**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171017 **The proposed Stage 2 TP for CU-DU interface**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

10.11.2 Specification of one higher layer split

R3-170957 **Fs layer 1 – 38.4x1**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **agreed**.

R3-170996 **38.4x2 CU-DU Signalling Transport Initial Inputs**
Source: Interdigital Asia LLC

Discussion:

== > - Add the agreement from document R3-170953: CP uses SCTP/IP, other alternatives, if any, are FFS

Decision: The document was **revised in 1363**.

R3-171363 **38.4x2 CU-DU Signalling Transport Initial Inputs**
Source: Interdigital Asia LLC

Discussion:

Decision: The document was **Agreed**.

R3-170958 **Fs signalling transport – 38.4x2**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **noted**.

==>

Qualcomm to Contact IANA to get 3port numbers + PPI for the new interfaces NG, Xn and F1, when the spec numbers are available.

R3-170960 **Fs Application Protocol – 38.4x3**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Agreement:

Setup/Reset/Error indication procedures are agreed

Decision: The document was **revised in 1364**.

R3-171364 **Fs Application Protocol – 38.4x3**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **Agreed**.

R3-171019 **Discussion on CU-DU interface control plane functions**
Source: ZTE Corporation

Discussion:

List of functions == > to be merged in function list.

Decision: The document was **noted**.

R3-170959 **Fs data transport – 38.4x4**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

== > - Add the agreement from document R3-170953: UP uses GTP/UDP/IP, other alternatives, if any, are FFS.

Decision: The document was **revised in 1365**.

R3-171365 **Fs data transport – 38.4x4**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **Agreed**.

R3-170961 **Fs interface user plane protocol – 38.4x5**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **revised in 1367**.

R3-171367 **Fs interface user plane protocol – 38.4x5**
Source: Nokia, Alcatel-Lucent Shanghai Bell, KT

Discussion:

Decision: The document was **Agreed**.

R3-171020 **Discussion on CU-DU interface user plane functions**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-170991 **Protocol stack and functions for the interface between CU and DU**
Source: CATT

Discussion:

== > Merge with the list of functions.

Decision: The document was **noted**.

R3-171065 **Interfaces for CU-DU Split**
Source: Samsung R&D Institute UK

Discussion:

Decision: The document was **noted**.

R3-171164 **CU-DU interface protocols**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171219 **Protocol stack and functions for CU-DU interface**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171231 **TP for Protocol stack and functions for CU-DU interface**
Source: Huawei

Discussion:

Decision: The document was **noted**.

10.11.3 Others

R3-171203 **High Layer Functional Spilt with Separated Control and User Planes**
Source: Vodafone Group Services Ltd

Discussion:

Nokia supports.

Decision: The document was **noted**.

Agreement:

-The standard should not prevent to separate CP and UP.

TP to capture the agreement in R3-171368.

R3-171368 **TP to 38.401: UP-CP separation**
Source: Ericsson

Discussion:

Nokia: We are fine with the principle, however the wording is not appropriate for TS (negative statement): i.e. "*The standard **shall not** prevent the separation of CP and UP functions.*". Also which spec where to capture this is not clear.

- Discussion on how to reword and where to capture this text are to continue.

Ericsson will provide a proposal by next meeting.

Decision: The document was **noted**.

R3-171002 **CU-DU interface: M-plane aspects**
Source: NTT DOCOMO INC.

Abstract:

In this contribution, we provide a TP for M-plane aspects.

Discussion:

Decision: The document was **noted**.

R3-170994 **Cardinality in gNB-CU/DU deployment**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-170992 **Scenarios and principles for intra-gNB mobility**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171021 **Consideration on RRC message transmission**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171227 **Analysis of the latency between CU and DU**
Source: Huawei

Discussion:

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

R3-171247 **Discussion on NR CU-DU higher layer split supporting Option 3/3a/3x**
Source: China Unicom

Discussion:

Agreement:

Termination point of the interfaces NG, X2, Xn and S1-U is the gNB

Decision: The document was **noted**.

Agreement:

Termination point of the interfaces NG, X2, Xn and S1-U is the gNB

10.12 C/U Plane of NG/Xn

10.12.1 CP Signalling Transport

R3-171068 **UE "stickiness" issue on NG-C/NG2**
Source: Intel Corporation

Discussion:

Decision: The document was **noted**.

R3-171123 **Use of SCTP Associations and Text Proposal for TS 38.412**
Source: Nokia, Alcatel-Lucent Shanghai Bell, Samsung

Discussion:

- No agreement in the proposals.

Decision: The document was **noted**.

R3-171124 **Use of SCTP streams and Traffic prioritization**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- No agreement in the proposals.

Decision: The document was **noted**.

10.12.2 UP Data Transport / Tunneling

R3-170943 **Solution Evaluation for Path switch over NG-C**
Source: LG Electronics Inc.

Discussion:

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

R3-171073 **Path Switch via NG-C**
Source: HUAWEI

Discussion:

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

R3-171265 **Response to R3-171073**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171074 **Text Proposal for Path Switch via NG-C**
Source: HUAWEI

Discussion:

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

R3-171264 **Response to R3-170943**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

10.12.3 NG AP

R3-171215 **NGAP Specification Methodology**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Agreement (Proposal 3):

RAN3 adopts Option 2 for NGAP, i.e. S1AP is maintained in TS36.413. NGAP in TS38.413 is based on TS36.413, but without the not applicable S1AP procedures/IEs/ASN.1 code.

Decision: The document was **noted**.

== >

Agreement:

RAN3 adopts Option 2 for NGAP, i.e. S1AP is maintained in TS36.413. NGAP in TS38.413 is based on TS36.413, but without the not applicable S1AP procedures/IEs/ASN.1 code.

R3-171059 **Discussion on Session Management**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171060 **Stage2 description for Session Management Procedure**
Source: Samsung

Discussion:

Decision: The document was **revised in 1375**.

R3-171375 **Stage2 description for Session Management Procedure**
Source: Samsung

Discussion:

The TP will be agreed with the understanding that the rapporteur will shorten the TP.

Decision: The document was **Agreed**.

R3-171054 **NG Interface Functions**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171055 **TP for NG interface function**
Source: Samsung

Discussion:

Decision: The document was **noted**.

R3-171208 **N2AP Procedures**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

TP to be merged in 38.413 (in R3-171209)

Decision: The document was **agreed**.

R3-171211 **Issue on transmission of NAS message**
Source: LG Electronics Inc.

Discussion:

- No agreement on the proposal.

Decision: The document was **noted**.

R3-171043 **Consideration on NAS Transport procedures**
Source: Huawei

Discussion:

- No agreement on the proposals.

- Discussion to continue next meeting.

Decision: The document was **noted**.

R3-171044 **Introduction of NAS Transport procedures**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171039 **Mobility management procedure over RAN-CN interface**
Source: KT Corp.

Discussion:

- Proposal is covered by the other come back documents.

Decision: The document was **noted**.

R3-171007 **Discussion on PDU Session Management for NG interface**
Source: CATT

Discussion:

Decision: The document was **noted**.

10.12.4 Xn AP

R3-171024 **Xn Interface functions and procedures for NR**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

10.13 N2/N3 termination & access agnostic core

R3-171053 **N2/N3 termination & access agnostic core**
Source: Samsung

Discussion:

- Non-3GPP AN must have a context defined by TSG RAN/SA/CT before starting in RAN3.

Decision: The document was **noted**.

R3-171066 **Access agnostic interfaces**
Source: Intel Corporation

Discussion:

- there is no agreement if Stage2 capture AMF - N3IWF.

Decision: The document was **noted**.

R3-171083 **Discussion on protocol design on access agnostic**
Source: NEC

Discussion:

Decision: The document was **noted**.

R3-171098 **Discussion on RAT agnostic NG interface**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171166 **Access Agnosticism and its Impacts on RAN3 Work**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171167 **Access Agnosticism on NG-C**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171216 **Single N2AP for both 3GPP access and non-3GPP access**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

Agreement:

NG Principles:

Principle 1: Interface is designed targeting gNB as the RAN endpoint

Principle 2: Other possible nodes are assumed to support "NG terminating functionality"

Principle 3: AMF is assumed to be access aware via e.g. TAI

Principle 4: Messages may include access-specific optional IEs as needed (whether these are simply added in a flat manner, or whether optional access-specific IE groups are defined is FFS).

➔ Send a response LS to R3-17940 capturing the agreement.

Reply LS in R3-171326

R3-171326 **Reply LS on N2 and N3 reference points for 5G system**
Source: Qualcomm

Discussion:

Agreed. Revised for cleanup by MCC

Decision: The document was **revised in 1401**.

R3-171401 **Reply LS on N2 and N3 reference points for 5G system**
Source: Qualcomm

Discussion:

Decision: The document was **Agreed**.

10.13.4 Xn AP

10.14 High layer split option selection

10.14.1 RLC PDU management

R3-171168 **Framework for addressing centralized retransmission with Option 2**
Source: Ericsson, CMCC, AT&T

Discussion:

Decision: The document was **noted**.

R3-170973 **Option 2 split with performant and reliable CU-DU connection**
Source: IAESI, Thales, Fairspectrum, VTT

Discussion:

Decision: The document was **noted**.

R3-171013 **Option 2 Higher-Layer Split Architecture in Realistic Network Deployment Scenario**
Source: Altiostar Networks

Abstract:

Option 2 lab trial result and operation scenario

Discussion:

Decision: The document was **noted**.

R3-171022 **Discussion on fast centralized retransmission of lost RLC PDUs during inter-DU handover**
Source: ZTE Corporation, China Telecom, China Unicom

Discussion:

Decision: The document was **noted**.

R3-171260 **Response to R3-171022**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171261 **Response to R3-171022**
Source: CATT

Discussion:

Decision: The document was **withdrawn**.

R3-171069 **Enhancements for option 2, to support inter-DU mobility**
Source: Intel Corporation

Discussion:

Decision: The document was **noted**.

R3-171169 **Description of solutions for centralised retransmission with Option 2**
Source: Ericsson, CMCC

Discussion:

Decision: The document was **noted**.

R3-171259 **Response to R3-171169**
Source: CATT

Discussion:

Decision: The document was **noted**.

R3-171171 **Centralised retransmission of PDCP PDUs for option 2: discussion and simulation**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

Agreement:

Enhancement of option 2 may support RLC PDU retransmission, if any

10.14.2 Others

R3-171023 **Discussion on the data retransmission in intra-gNB multi-connectivity for option2 and option3-1**
Source: ZTE Corporation, China Telecom, China Unicom

Discussion:

Decision: The document was **noted**.

R3-171133 **The Disadvantages of Option 3-1 for High Layer Functional Split**
Source: Vodafone Group Services Ltd

Discussion:

Decision: The document was **noted**.

R3-171230 **Discussion on Fast Retransmission and Path Switch between DUs for option 2 and option 3-1**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-170982 **Issue on retransmission for lost RLC PDUs**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **noted**.

R3-171111 **Reliability issues of Option 2**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171262 **Response to R3-171111**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171170 **Motivations for the selection of Option 2**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

Way Forward:

R3-171285 **Way Forward on High Layer Split Option Selection**
Source: Ericsson

Discussion:

Proposed changes to the way forward:

RAN3 has decided to select Option 2 (based on centralised PDCP/RRC and decentralised RLC/MAC/PHY) for normative work in Release 15. With this selection, RAN3 agrees to work ~~RAN3 will further work~~ on possible enhancements to option 2,~~solutions~~ to address centralized retransmission of lost ~~RLC~~ PDUs ~~will be explored immediately~~ during the normative phase of Release 15.

Decision: The document was **noted**.

Agreement:

RAN3 has decided to select Option 2 (based on centralised PDCP/RRC and decentralised RLC/MAC/PHY) for normative work in Release 15. With this selection, RAN3 agrees to work on possible enhancements to option 2, to address fast centralized retransmission of lost PDUs during the normative phase of Release 15.

R3-171287 **LS out: Status of Higher-Layer Functional split between Central and Distributed unit.**
Source: AT&T

Discussion:

Decision: The document was **Revised in 1305**.

R3-171305 **LS out: Status of Higher-Layer Functional split between Central and Distributed unit.**
Source: AT&T

Discussion:

Agreed unseen

Revised for MCC cleanup

Decision: The document was **revised in 1306**.

R3-171306 **LS out: Status of Higher-Layer Functional split between Central and Distributed unit.**
Source: AT&T

Discussion:

Decision: The document was **Agreed**.

10.15 RAN3 TS structure

R3-171082 **Proposed skeleton for new spec to be 38.401**
Source: NEC

Discussion:

ADD TPP and issue from R3-171362

Decision: The document was **Revised in 1307**.

R3-171307 **Proposed skeleton for new spec to be 38.401**
Source: NEC

Discussion:

Decision: The document was **Noted**.

R3-171127 **Text Proposal for skeleton of TS 38.410**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- Put FFS every where it is not pure Skeleton.

- Add TP from R3-171375, with action for the rapporteur to reduce the TP

Decision: The document was **Revised in 1308**.

R3-171308 **Text Proposal for skeleton of TS 38.410**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Revised in 1397**.

R3-171397 **Text Proposal for skeleton of TS 38.410**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Noted**.

R3-171214 **Initial proposal for TS 38.411 skeleton**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **Revised in 1309**.

R3-171309 **Initial proposal for TS 38.411 skeleton**
Source: LG Electronics Inc.

Discussion:

Decision: The document was **Noted**.

R3-171105 **Skeleton for TS 38.412 NG signalling transport**
Source: NTT DOCOMO INC.

Discussion:

Decision: The document was **Revised in 1310**.

R3-171310 **Skeleton for TS 38.412 NG signalling transport**
Source: NTT DOCOMO INC.

Discussion:

Decision: The document was **Noted**.

R3-171209 **Skeleton for TS 38.413**
Source: Nokia

Discussion:

Add TP from:

- R3-171147 + remove 2 last IEs + FFS on NG-C UE
- R3-171208
- R3-171393
- R3-171337 TP for merger without UE Retention Information
- R3-171347

Decision: The document was **revised in 1311**.

R3-171311 **Skeleton for TS 38.413**
Source: Nokia

Discussion:

Decision: The document was **Noted**.

R3-171037 **Draft Skeleton on TS 38.414 NR NG Data Transport**
Source: ZTE Corporation

Abstract:

Draft TS, Rel-15,NR_newRAT

Discussion:

Decision: The document was **Revised in 1312**.

R3-171312 **Draft Skeleton on TS 38.414 NR NG Data Transport**
Source: ZTE Corporation

Abstract:

Draft TS, Rel-15,NR_newRAT

Discussion:

Decision: The document was **Noted**.

R3-171038 **Initial TP on TS 38.414 NR NG Data Transport**
Source: ZTE Corporation

Abstract:

TP, Rel-15,NR_newRAT

Discussion:

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

R3-171101 **Initial proposal for TS 38.420 skeleton**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **Revised in 1313**.

R3-171313 **Initial proposal for TS 38.420 skeleton**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **Noted**.

R3-171078 **Draft Skeleton on new TS 38.421**
Source: CATT

Discussion:

Decision: The document was **Revised in 1314**.

R3-171314 **Draft Skeleton on new TS 38.421**
Source: CATT

Discussion:

Decision: The document was **Noted**.

R3-171110 **Skeleton for TS 38.422 Xn signalling transport**
Source: NTT DOCOMO INC.

Discussion:

Decision: The document was **Revised in 1315**.

R3-171315 **Skeleton for TS 38.422 Xn signalling transport**
Source: NTT DOCOMO INC.

Discussion:

Decision: The document was **Noted**.

R3-171172 **Skeleton of Xn Application Protocol (XnAP)**
Source: Ericsson

Discussion:

Add TP from

- R3-171147 + remove 2 last IEs + FFS on NG-C UE
- R3-171372
- R3-171351
- TP merger only the TP from NSSAI
- R3-171338 TP merger with for XN SETUP REQUEST Editor's note , the structure and the TP in this section ….
- R3-171371 TP for merger + extension the FFS for the generic procedure description for retrieval + may be new name for RAN paging
- R3-171345 FFS includes title
- R3-171347

Decision: The document was **Revised in 1316**.

R3-171316 **Skeleton of Xn Application Protocol (XnAP)**
Source: Ericsson

Discussion:

Decision: The document was **Noted**.

R3-171112 **Draft Skeleton on new TS 38.424**
Source: Mitsubishi Electric RCE

Abstract:

Skeleton proposal for new TS 38.424 "Xn data transport"

Discussion:

Decision: The document was **Revised in 1317**.

R3-171317 **Draft Skeleton on new TS 38.424**
Source: Mitsubishi Electric RCE

Abstract:

Skeleton proposal for new TS 38.424 "Xn data transport"

Discussion:

Decision: The document was **Noted**.

R3-171173 **Skeleton of Xn interface user plane protocol**
Source: Ericsson

Discussion:

Add TP from R3-171346

Decision: The document was **Revised in 1318**.

R3-171318 **Skeleton of Xn interface user plane protocol**
Source: Ericsson

Discussion:

Decision: The document was **Noted**.

R3-171229 **TS framework general aspects and principles for CU DU interface**
Source: Huawei Technologies France

Discussion:

Decision: The document was **Revised in 1319**.

R3-171319 **TS framework general aspects and principles for CU DU interface**
Source: Huawei Technologies France

Discussion:

Decision: The document was **Noted**.

R3-171212 **Draft Skeleton for TS 38.4x1 (CU-DU interface layer 1)**
Source: Fujitsu

Discussion:

Decision: The document was **Revised in 1320**.

R3-171320 **Draft Skeleton for TS 38.4x1 (CU-DU interface layer 1)**
Source: Fujitsu

Discussion:

Decision: The document was **Noted**.

R3-170995 **38.4x2 CU-DU Signalling Transport Skeleton**
Source: Interdigital Asia LLC

Discussion:

Add TP from R3-171363

Decision: The document was **Revised in 1321**.

R3-171321 **38.4x2 CU-DU Signalling Transport Skeleton**
Source: Interdigital Asia LLC

Discussion:

Decision: The document was **Noted**.

R3-171228 **TS framework for CU DU interface**
Source: Huawei

Discussion:

Add TP from R3-171364

Decision: The document was **Revised in 1322**.

R3-171322 **TS framework for CU DU interface**
Source: Huawei

Discussion:

Decision: The document was **Noted**.

R3-171071 **38.4x4 TS Xn+1 data transport Skeleton**
Source: Intel Corporation

Abstract:

Since this TS does not exist yet, the skeleton is provided in the form of a discussion paper.

Discussion:

Add TP from R3-171365

Decision: The document was **Revised in 1323**.

R3-171323 **38.4x4 TS Xn+1 data transport Skeleton**
Source: Intel Corporation

Abstract:

Since this TS does not exist yet, the skeleton is provided in the form of a discussion paper.

Discussion:

Decision: The document was **Noted**.

R3-171077 **Skeleton for TS 38.4x5**
Source: Samsung R&D Institute UK

Discussion:

Add TP from R3-171367

Decision: The document was **Revised in 1324**.

R3-171324 **Skeleton for TS 38.4x5**
Source: Samsung R&D Institute UK

Discussion:

Decision: The document was **Noted**.

Note to rapporteurs:

Rapporteurs are requested to provide on the reflector within the next 10 days the update to the "Draft TS" with agreed TPs and FFS.

Note: At the beginning of the May meeting, the draft TSs will be p-approved, available on 3GU and we will follow the normal process with updates during the meeting.

10.16 Others

R3-171036 **Initial Consideration on Intra-Frequency DC**
Source: ZTE Corporation

Abstract:

Discussion, Rel-15,NR_newRAT

Discussion:

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

11 Study on CU-DU lower layer split for New Radio SI

12 Study on Architecture Evolution E-UTRAN SI

13 Further NB-IoT enhancements (RAN1-led) WI

R3-171334 **FeNB-IoT session report**
Source: Ericsson (Session Chair)

Discussion:

Decision: The document was **noted**.

R3-170965 **Work plan for FeNB-IoT**
Source: Huawei

Discussion:

- Part A begins now, whilst Parts B and C begin in June and December 2017 respectively. The rapporteur intends to provide workplans for the parts that begin later, i.e. Parts B and C, and RAN4 RRM and performance at a suitable time to allow the plan to account for progress before the relevant work begins.

Decision: The document was **noted**.

13.1 Early data transmission

R3-170966 **Consideration on early data transmission**
Source: Huawei

Discussion:

Decision: The document was **noted**.

13.2 UE differentiation

R3-170967 **Consideration on UE differentiation**
Source: Huawei

Discussion:

- include tenant/service information for the UE in corresponding S1 and X2 messages for CP and UP solutions?

- Relation to Rel-14 UE AMBR for IoT? Duplicate?

- Optimizations for group of UEs?

No consensus

- QoS info still applies!

No conclusion == > To be continued.

Decision: The document was **not concluded (to be continued)**.

13.3 Others

R3-170968 **Consideration on small cell supporting**
Source: Huawei

Discussion:

- In Rel-13 and Rel-14 NB-IoT discussion, it was stated that CSG/ HeNB are not supported

- include CSG membership related information for the UE in corresponding S1 and X2 messages for CP and UP solutions

== > To be continued.

Decision: The document was **not concluded (to be continued)**.

14 Even further enhanced MTC for LTE (RAN1-led) WI

R3-171333 **FeMTC session report**
Source: Ericsson (session chair)

Discussion:

Decision: The document was **noted**.

R3-171174 **Work Plan for Even Further Enhanced MTC for LTE**
Source: Ericsson

Discussion:

Proposal for Agreement:

RAN3 shall wait for further progress in RAN1 and RAN2 in order to provide the appropriate signalling if needed

Decision: The document was **approved**.

Agreement:

RAN3 shall wait for further progress in RAN1 and RAN2 and provide the appropriate signalling (if needed)

14.1 Early data transmission

14.2 Others

15 UE positioning accuracy enhancement for LTE (RAN2-led) WI

15.1 RTK signalling

15.2 Broadcasting of assistance data

15.3 Others

16 Further enhancements on Video for LTE (RAN2-led) WI

R3-171087 **Work Plan on further enhancements on Video for LTE**
Source: China Mobile Com. Corporation

Discussion:

Decision: The document was **noted**.

16.1 Network aspects

R3-171076 **Network architecture aspects for local caching**
Source: HUAWEI

Discussion:

Decision: The document was **noted**.

R3-171088 **Architecture for Local Caching Solution**
Source: China Mobile Com. Corporation

Discussion:

- There is no agreement about the Further study on option 3 and 4 to fulfilled LI and charging requirements.

Decision: The document was **noted**.

R3-171175 **Framework for Discussions on Local Caching**
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1325**.

R3-171325 **Framework for Discussions on Local Caching**
Source: Ericsson

Discussion:

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

R3-171217 **Discussion on solutions to address backhaul long latency issue**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- RAN3 should wait for RAN2 progress on the issue related to "critical data discard".

Decision: The document was **noted**.

16.2 UE aspects

R3-171075 **UE Assisted Local Caching**
Source: HUAWEI

Discussion:

Decision: The document was **noted**.

R3-171245 **UE Assisted Local Caching**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

16.3 Others

17 Quality of Experience (QoE) Measurement Collection for streaming services in E-UTRAN (RAN2-led) WI

18 Other WI/SIs with impact on RAN3

18.1 Rapporteur SID summarize

18.2 Band completion

18.3 Other

19 Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables (RAN2-led) SI

R3-170969 **Scenarios for FeD2D wearable path changes**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-170970 **TP for FeD2D Scenarios**
36.746 v0.4.0
Source: Huawei

Discussion:

- Remove sentence on down-prioritization
- “moves together” -> clarify w.r.t. mobility

Decision: The document was **revised in 1356**.

R3-171356 **TP for FeD2D Scenarios**
36.746 v0.4.0
Source: Huawei

Discussion:

TP to be turned into a working document for RAN2 TR. Merged in R3-171405

With additional note that solution addresses PC5 only.

Decision: The document was **merged in 1405**.

R3-170971 **Solutions for FeD2D wearable path changes**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171263 Response to R3-170971

Source: Ericsson LM

Discussion:

Security context for the remote UE?

E/// solution has a significant impact on EPC

UE Ctxt Mod Ind used for CSG update in DC – impact on existing functionality

UE Ctxt Mod Req cannot be used

RAN2 agreed that relay UE relays RRC connection requests

Decision: The document was **noted**.

R3-170972 TP for FeD2D Solutions

36.746 v0.4.0
Source: Huawei

Discussion:

== > Merge analysis from R3-171218 and solution from R3-171056

Decision: The document was **revised in 1357**.

R3-171357 TP for FeD2D Solutions

36.746 v0.4.0
Source: Huawei

Discussion:

TP to be turned into a working document for RAN2 TR. Merged in R3-171405

With additional note that solution addresses PC5 only.

Decision: The document was **merged in 1405**.

R3-171405 Baseline TP for RAN2 TR

36.746 v0.4.0
Source: Huawei

Discussion:

Merge R3-171356 and R3-171357

The TP is endorsed unseen as BL CR against the RAN2 TR with additional note that that each solution address only PC5.

Agreed unseen

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

R3-171056 **Service continuity for feD2D**
Source: ZTE Corporation

Discussion:

Decision: The document was **noted**.

R3-171218 **Path Switch analysis for FeD2D**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

== > merge analysis in TP

Decision: The document was **noted**.

20 Enhancing LTE CA Utilization

21 Signalling reduction to enable light connection for LTE (RAN2-led) WI

22 Void

23 Void

24 Void

25 Void

26 Void

27 Void

28 Void

29 Void

30 Study on SON for eCoMP for LTE SI

R3-170916 **TR 36.742 v1.0.1 on Study on SON for eCoMP**
36.742 v1.0.1
Source: Nokia

Discussion:

Decision: The document was **agreed**.

R3-171204 **On how to describe the coordination area management functionality in the TR**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1358**.

R3-171358 **On how to describe the coordination area management functionality in the TR**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171205 **Completion of solution 3**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1359**.

R3-171359 **Completion of solution 3**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1402**.

R3-171402 **Completion of solution 3**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- Typo to be corrected by rapporteur.

Decision: The document was **Agreed**.

R3-171255 **OAM based solution for spatio-temporal traffic variation**
Source: Huawei

Discussion:

== > To be merged with previous document

Decision: The document was **noted**.

R3-171206 **Solution based on Layered Coordination Areas**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1360**.

R3-171360 **Solution based on Layered Coordination Areas**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1403**.

R3-171403 **Solution based on Layered Coordination Areas**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171207 **Solution evaluation**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1361**.

R3-171361 **Solution evaluation**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **revised in 1404**.

R3-171404 **Solution evaluation**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

- Remove the FFS with replacement of the “when ” by “if”.

Decision: The document was **revised in 1407**.

R3-171407 **Solution evaluation**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **Agreed**.

R3-171406 **TR 36.742 v1.1.0**
36.742-110
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Integration of agreed TP from

- R3-171402 (Typo)
- R3-171403
- R3-171407
- R3-171358

+ Editorials.

Decision: The document was **Noted**.

R3-171213 **Evaluation of solutions #1 and #2**
Source: Fujitsu

Discussion:

Decision: The document was **noted**.

R3-171256 **Evaluations for solutions taking into account X2 link characteristics**
Source: Huawei, Ericsson

Discussion:

Decision: The document was **noted**.

31 Corrections to Rel-14 and TEI14

31.1 3G

R3-171176 **QoE correction**
25.413 CR-1318 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Agreed**.

R3-171177 **QoE measurement failure handling**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171178 **UE Application Layer Measurement Failure Handling**
25.413 CR-1319 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

- check of the procedure.

- Update of the CR.

Decision: The document was **Revised in 1288**.

R3-171288 **UE Application Layer Measurement Failure Handling**
25.413 CR-1319r1 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

-== > discussion to be continued in the next meeting.

This revision is withdrawn.

Decision: The document was **Withdrawn**.

R3-171179 **QoE SRNS Relocation Enhancement**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171180 **QoE enhancement during SRNS relocation**
25.413 CR-1320 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1289**.

R3-171289 **QoE enhancement during SRNS relocation**
25.413 CR-1320r1 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1377**.

R3-171377 **QoE enhancement during SRNS relocation**
25.413 CR-1320r1 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171181 **Introduction of UE Application Layer Measurement Capability**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171182 **Introduction of UE Application Layer Measurement Capability**
25.413 CR-1321 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1290**.

R3-171290 **Introduction of UE Application Layer Measurement Capability**
25.413 CR-1321r1 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **revisedi in 1378**.

R3-171378 **Introduction of UE Application Layer Measurement Capability**
25.413 CR-1321r1 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Agreed unseen

Decision: The document was **Agreed**.

R3-171242 **UMTS and LTE inter-RAT mobility enhancements**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171243 **Introduction of the Inter-RAT Redirection cause**
25.413 CR-1322 (Rel-14) v14.0.0
Source: Huawei

Discussion:

Decision: The document was **Revised in 1291**.

R3-171291 **Introduction of the Inter-RAT Redirection cause**
25.413 CR-1322 (Rel-14) v14.0.0
Source: Huawei

Discussion:

Decision: The document was **Withdrawn**.

31.2 LTE.

Corrections:

R3-171103 **On inter-mode error handling in XwAP**
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **noted**.

R3-171104 **Corrections on inter-WLAN interworking mode error handling**
36.463 CR-0038 (Rel-14) v14.1.0
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **Revised in 1292**.

R3-171292 **Corrections on inter-WLAN interworking mode error handling**
36.463 CR-0038r1 (Rel-14) v14.1.0
Source: Qualcomm Incorporated

Discussion:

Decision: The document was **Agreed**.

R3-171183 **Flexible eNB ID correction**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171184 **Correction of eNB ID part in Resume ID not truncated**
36.423 CR-1028 (Rel-14) v14.2.0
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1293**.

R3-171293 **Correction of eNB ID part in Resume ID not truncated**
36.423 CR-1028r1 (Rel-14) v14.2.0
Source: Ericsson

Discussion:

Agreement:

How the flexible eNB ID and truck resume ID should work are up to implementation and thus there should be no changes to the specification.

➔ CR is not needed.

Decision: The document was **Withdrawn**.

R3-171185 **Correction of eNB ID part in E-UTRAN CGI**
36.444 CR-0077 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Revised in 1294**.

R3-171294 **Correction of eNB ID part in E-UTRAN CGI**
36.444 CR-0077 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Decision: The document was **Agreed**

R3-171186 **Discussion on support of redirection for VoLTE**
Source: Ericsson

Discussion:

Decision: The document was **noted**.

R3-171354 **Reply LS on Reply LS to RAN3 on support of redirection for VoLTE**
LS out
Source: Ericsson

Discussion:

Agreed. Revised for cleanup by MCC

Decision: The document was **revised in 1408**

R3-171408 **Reply LS on Reply LS to RAN3 on support of redirection for VoLTE**
LS out
Source: Ericsson

Discussion:

Decision: The document was **Agreed**

R3-171197 **Correction for make-before-break handover**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171198 **Correction for make-before-break handover**
36.423 CR-1030 (Rel-14) v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171199 **Impact on paging from NB-IoT enhancements**
36.413 CR-1511 (Rel-14) v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

R3-171200 **Enable selection of NB-IoT paging carrier in the eNB**
36.300 v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

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

Enhancements:

R3-170979 **UL data transfer when there is no DL data yet**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-170980 **A new PDU type for UL data**
36.425 CR-0008 (Rel-14) v13.1.1
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-170981 **A new PDU type for UL data**
36.465 CR-0015 (Rel-14) v14.0.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171192 **Correction for make-before-break handover**
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171193 **Correction for make-before-break handover**
36.423 CR-1029 (Rel-14) v14.2.0
Source: Nokia, Alcatel-Lucent Shanghai Bell

Discussion:

Decision: The document was **noted**.

R3-171221 **Consideration on Idle Mode OTDOA measurement in NB-IoT**
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171222 **Introduction of Idle mode measurement Indication procedure**
36.455 CR-0076 (Rel-14) v14.1.0
Source: Huawei

Discussion:

Decision: The document was **noted**.

R3-171373 **Clarification of the use of the RAN Container**
36.424 CR-0025 (Rel-14) v14.0.0
Source: Nokia

Discussion:

Decision: The document was Agreed.

R3-171374 **Clarification of the use of the RAN Container**
36.464 CR-0011 (Rel-14) v14.1.0
Source: Nokia

Discussion:

Decision: The document was **Agreed**.

32 Rel-13/Rel-14 Specification Review

32.1 Editorial

R3-171187 **Rapporteurs review of 25.423 Editorials**
25.423 CR-1896 (Rel-14) v14.0.0
Source: Ericsson

Discussion:

Baseline CR

Decision: The document was **Endorsed**.

R3-171188 **Rapporteur's Review of LPPa Editorials**
36.455 CR-0075 (Rel-14) v14.1.0
Source: Ericsson

Discussion:

Baseline CR

Decision: The document was **Endorsed**.

R3-171244 **Rapporteur review**
25.433 CR-2093 (Rel-14) v14.0.0
Source: Huawei

Discussion:

Baseline CR

Decision: The document was **Endorsed**.

32.2 ASN.1

33 Any other business

R3-171267 **Release 14 Description; Summary of Rel-14 Work Items**
Source: MCC

Discussion:

Decision: The document was **noted**.

34 Closing of the meeting (Friday 17:00)