**3GPP TSG RAN WG1 #106bis-e R1-210XXXX**

**e-Meeting, October 11th – 19th, 2021**

**Source: RAN1 Chair**

**Title: Incoming LS handling for RAN1#106bis-e**

**Document for:** **Discussion and Decision**

# Introduction

This document summarizes the contributions submitted to Agenda Item 5 (Incoming Liaison Statements) in RAN1#106bis-e and identifies a set of LS that needs to be addressed in the email discussion phase of RAN1#106bis-e.

# Summary

## Incoming LSs “To RAN1”

### *NR\_pos\_enh*

[R1-2108696](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108696.zip) Reply LS on granularity of response time RAN2, Huawei

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN2 response as part of the ongoing work under agenda item 8.5. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108697](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108697.zip) Reply LS on Positioning Reference Units RAN3, Ericsson

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN3 response as part of the ongoing work under agenda item 8.5. |
| **Company** | **Views (if any)** |
| Nokia. NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108706](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108706.zip) Reply LS on PRS processing samples RAN4, Ericsson

**Relevant tdoc(s) under agenda item 5:**

[R1-2110368](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110368.zip) Discussion on RAN4 reply LS on PRS processing samples Huawei, HiSilicon

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN4 response as part of the ongoing work under agenda item 8.5. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108707](file:///D:\\Documents\\3GPP%20documents\\RAN1\\TSGR1_106b-e\\Docs\\R1-2108707.zip) Reply LS on UE/TRP Tx/Rx timing error mitigation RAN4, CATT

**Relevant tdoc(s) under agenda item 5:**

[R1-2110369](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110369.zip) Discussion on RAN4 reply LS on UE/TRP Rx/Tx timing error mitigation Huawei, HiSilicon

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| **Initial assessment** | To be handled under agenda item 8.5.1. Separate email thread: [106bis-e-NR-ePos-07]. Discuss whether a reply LS is needed. If reply LS is needed, the same email threads is to be used to converge on the response to RAN4. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Do NOT agree with the initial assessment. The LS in itself does not call for a reply. It is possible that when the information in the LS is considered in the AI 8.5.1, a need for an LS to RAN4 emerges, and an LS is sent to RAN4. However, initiating an email discussion specifically to address the need and content of a response LS is not warranted.  On Huawei ‘0369   * Proposal 1 “asking RAN4 plans” is a pointless request. RAN1 could agree to ask another WG to do something, but there is no point for RAN1 to ask what an another WG intends to do. * Proposal 2 asking follow-up details on points where RAN4 will conduct further discussion does not seem necessary. If need be, Huawei can make sure that RAN4 sends a follow-up LS to RAN1. If these questions specifically arise in the AI 8.5.1 discussions, then an LS discussion can be triggered. |
| Samsung | Can be discussed as part of the email discussion in agenda item 8.5.1 [106bis-e-NR-ePos-01] |
| vivo | Agree with the initial assessment |

[R1-2108711](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108711.zip) Reply LS to RAN1 on on-demand DL PRS parameters RAN2, Intel

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.5.6. Separate email thread: [106bis-e-NR-ePos-07] |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_SL\_enh*

[R1-2108710](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108710.zip) LS to RAN1 on RAN2 Agreements Related to Resource Selection RAN2, InterDigital

**Relevant tdoc(s) under agenda item 5:**

[R1-2108817](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108817.zip) Discussion on RAN2 LS on RAN2 Agreements Related to Resource Selection Nokia, Nokia Shanghai Bell

[R1-2109735](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109735.zip) Discussion on RAN2 LS on resource selection within DRX ZTE, Sanechips

[R1-2109859](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109859.zip) Discussion on LS to RAN1 on RAN2 Agreements Related to Resource Selection LG Electronics

[R1-2110335](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110335.zip) [Draft] Reply LS on RAN2 Agreements Related to Resource Selection Ericsson

[R1-2110365](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110365.zip) Discussion on RAN2 LS on resoruce selection with DRX Huawei, HiSilicon

[R1-2108946](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108946.zip) Draft reply LS on RAN2 Agreements Related to Resource Selection vivo

[R1-2109062](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109062.zip) Discussion on the relationship between SL DRX and resource selection OPPO

[R1-2109063](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109063.zip) Draft reply LS on LS about SL resource selection OPPO

[R1-2109181](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109181.zip) Discussion on LS on RAN2 Agreements Related to Resource Selection CATT, GOHIGH

[R1-2109461](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109461.zip) Draft Reply LS on RAN2 Agreements Related to Resource Selection Samsung

[R1-2109589](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109589.zip) Response to RAN2 LS Related to Resource Selection Intel Corporation

[R1-2110156](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110156.zip) Draft reply to RAN2 LS to RAN1 on RAN2 Agreements Related to Resource Selection Qualcomm Incorporated

[R1-2109882](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109882.zip) Discussion on RAN2 LS on RA for transmission to Rx UEs in DRX InterDigital, Inc.

[R1-2110338](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110338.zip) DRX impacts on resource selection procedures Ericsson

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.11.1. Separate email thread: [106bis-e-NR-R17-Sidelink-03]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *FS\_NR\_eff\_BW\_util*

[R1-2108700](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108700.zip) LS on specification impact for methods on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths RAN4, Nokia

**Relevant tdoc(s) under agenda item 5:**

[R1-2110296](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110296.zip) DRAFT LS on specification impact for methods on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths Nokia, Nokia Shanghai Bell

[R1-2110304](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110304.zip) On efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths Ericsson

[R1-2108948](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108948.zip) Discussion on RAN4 LS regarding methods on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths vivo

[R1-2109027](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109027.zip) Discussion on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths ZTE

[R1-2109028](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109028.zip) [DRAFT] Reply LS on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths ZTE

[R1-2110010](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110010.zip) Discussion on RAN4 LS on irregular channel bandwidths Apple

[R1-2110011](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110011.zip) Draft Reply to RAN4 LS on irregular channel bandwidths Apple

[R1-2110366](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110366.zip) Discussion on RAN4 LS on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths Huawei, HiSilicon

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| **Initial assessment** | Response LS needed. To be handled under agenda item 5. Separate email thread: [106bis-e-AI5-LSs-01]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *LTE\_NR\_DC\_enh2*

[R1-2108708](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108708.zip) Reply LS on temporary RS for efficient SCell activation in NR CA RAN4, Huawei

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN4 response as part of the ongoing work under agenda item 8.13.2. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_cov\_enh*

[R1-2108703](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108703.zip) Reply LS on PUCCH and PUSCH transmissions RAN4, Qualcomm

**Relevant tdoc(s) under agenda item 5:**

[R1-2110094](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110094.zip) Draft Reply LS on PUCCH and PUSCH repetitions LG Electronics

[R1-2110370](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110370.zip) Discussion on RAN4 LS on PUCCH and PUSCH repetition Huawei, HiSilicon

[R1-2108863](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108863.zip) [DRAFT] Reply LS on PUCCH and PUSCH transmissions ZTE

[R1-2108943](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108943.zip) Discussion on RAN4 Reply LS on PUCCH and PUSCH transmissions vivo

[R1-2110359](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110359.zip) Discussion Reply on PUCCH and PUSCH Transmissions Ericsson

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.8.1.3. Separate email thread: [106bis-e-NR-R17-CovEnh-06]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108712](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108712.zip) LS on Msg3 repetition in coverage enhancement RAN2, ZTE

**Relevant tdoc(s) under agenda item 5:**

[R1-2110095](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110095.zip) Draft Reply LS on Msg3 repetition in coverage enhancement LG Electronics

[R1-2110362](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110362.zip) Discussion on LS on Msg3 PUSH repetition Huawei, HiSilicon

[R1-2108838](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108838.zip) [DRAFT] Reply LS on Msg3 repetition in coverage enhancement ZTE

[R1-2108942](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108942.zip) Discussion on RAN2 LS on Msg3 repetition in coverage enhancement vivo

[R1-2109588](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109588.zip) Discussion on RAN2 LS on Msg3 repetition in coverage enhancement Intel Corporation

[R1-2110160](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110160.zip) Draft reply LS on Msg3 repetition in coverage enhancement Qualcomm Incorporated

[R1-2110360](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110360.zip) Draft Reply on Msg3 Repetition in Coverage Enhancement Ericsson

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.8.3. Separate email thread: [106bis-e-NR-R17-CovEnh-07]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_ext\_to\_71GHz*

[R1-2108702](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108702.zip) Reply LS on the maximum/minimum channel bandwidth and channelization for NR operation in 52.6 to 71 GHz RAN4, Ericsson

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN4 response as part of the ongoing work under agenda item 8.2. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_feMIMO*

[R1-2108717](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108717.zip) LS on inter-cell beam management and multi-TRP in Rel-17 RAN2, Nokia

**Relevant tdoc(s) under agenda item 5:**

[R1-2110076](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110076.zip) Draft reply LS to RAN2 on inter-cell beam management and multi-TRP in Rel-17 LG Electronics

[R1-2110363](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110363.zip) Views on RAN2 LS for inter-cell BM in R17 Huawei, HiSilicon

[R1-2109049](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109049.zip) Discussion on LS on inter-cell beam management and multi-TRP in Rel-17 OPPO

[R1-2109114](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109114.zip) Draft reply LS on inter-cell beam management and multi-TRP in Rel-17 vivo

[R1-2109257](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109257.zip) Draft reply LS on inter-cell beam management and multi-TRP in Rel-17 ZTE

[R1-2109376](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109376.zip) Draft Reply LS to RAN2 LS on on inter-cell beam management and multi-TRP in Rel-17 Xiaomi

[R1-2109464](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109464.zip) Draft Reply LS on inter-cell beam management and multi-TRP in Rel-17 Samsung

[R1-2109869](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109869.zip) Draft reply LS to RAN 2 LS on inter-cell beam management and multi-TRP in Rel-17 Nokia, Nokia Shanghai Bell

[R1-2109900](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109900.zip) [DRAFT] Reply LS on inter-cell beam management and multi-TRP in Rel-17 Lenovo, Motorola Mobility

[R1-2109947](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109947.zip) Discussion on LS reply on inter-cell beam management and multi-TRP in Rel-17 Intel Corporation

[R1-2110008](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110008.zip) Draft Reply LS on Inter-cell Beam Management and Multi-TRP Apple

[R1-2110159](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110159.zip) Draft reply LS on inter-cell beam management and multi-TRP in Rel-17 Qualcomm Incorporated

[R1-2110346](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110346.zip) Discussion of RAN2 LS on inter-cell BM and mTRP Ericsson

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.1.1. Separate email thread: [106bis-e-NR-feMIMO-09]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_NTN\_solutions*

[R1-2108699](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108699.zip) Reply LS on broadcast of NTN GW or gNB position SA1, Huawei

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider SA1 response as part of the ongoing work under agenda item 8.4. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment, to be taken into account in AI 8.4.2. |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108705](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108705.zip) Reply LS on NTN UL time and frequency synchronization requirements RAN4, Xiaomi

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN4 response as part of the ongoing work under agenda item 8.4. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment, to be taken into account in AI 8.4.2. |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_REDCAP*

[R1-2108709](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108709.zip) Reply LS to Half-duplex FDD switching for RedCap UE RAN4, Ericsson

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| **Initial assessment** | Noted. Separate email discussion for a reply LS is not necessary. RAN1 to consider RAN4 response as part of the ongoing work under agenda item 8.6. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment, to be discussed as part of HD-FDD handling. |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108713](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108713.zip) LS to RAN1 on L2 buffer size reduction RAN2, Intel, Spreadtrum

**Relevant tdoc(s) under agenda item 5:**

[R1-2108893](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108893.zip) Discussion on RAN2 LS on L2 buffer size reduction Spreadtrum Communications

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.6.1.3. Separate email thread: [106bis-e-NR-R17-RedCap-05]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment. |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

[R1-2108714](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108714.zip) LS on capability related RAN2 agreements for RedCap RAN2, Ericsson

**Relevant tdoc(s) under agenda item 5:**

[R1-2109331](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109331.zip) Discussion on RAN2 reply LS on UE capabilities for RedCap ZTE, Sanechips

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.17.6. Separate email thread: [106bis-e-R17-UE-features-REDCAP-02]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment. Nokia Tdoc submitted originally to AI 8.6.3 in R1-2109313 |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_RRM\_enh2*

[R1-2108704](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108704.zip) LS on beam information of PUCCH Scell in PUCCH SCell activation procedure RAN4, Huawei

**Relevant tdoc(s) under agenda item 5:**

[R1-2108944](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108944.zip) Draft Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure vivo

[R1-2109463](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109463.zip) Draft Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure Samsung

[R1-2109550](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109550.zip) Draft reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure MediaTek Inc.

[R1-2109587](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109587.zip) [Draft] Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure ZTE

[R1-2110009](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110009.zip) Discussion on RAN4 LS [R1-2108704](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108704.zip) on beam information of PUCCH Scell in PUCCH SCell activation procedure Apple

[R1-2110158](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110158.zip) Discussion on LS on beam information of PUCCH SCell in PUCCH SCell activation procedure Qualcomm Incorporated

[R1-2108775](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108775.zip) Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure Huawei, HiSilicon

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| **Initial assessment** | Response LS needed. To be handled under agenda item 5. Separate email thread: [106bis-e-AI5-LSs-02]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_SmallData\_INACTIVE*

[R1-2108715](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108715.zip) LS on agreements related to SDT RAN2, ZTE

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| **Initial assessment** | Response LS needed. To be handled under agenda item 5.2. Separate email thread: [106bis-e-NR-R17-SDT-02]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment. Nokia Tdoc with the proposed response submitted under AI5.2 as R1-2110297 |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_UE\_pow\_sav\_enh*

[R1-2108716](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108716.zip) LS on UE Power Saving RAN2, MediaTek

**Relevant tdoc(s) under agenda item 5:**

[R1-2110367](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110367.zip) Discussion on RAN2 LS on UE Power Saving Huawei, HiSilicon

[R1-2109462](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109462.zip) Draft Reply to RAN2 LS on UE Power Saving Samsung

[R1-2109580](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109580.zip) Discussion on RAN2 LS on UE Power Saving MediaTek Inc.

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| **Initial assessment** | Response LS needed. To be handled under agenda item 8.7.1.1. Separate email thread: [106bis-e-NR-R17-PowSav-04]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

### *NR\_RF\_FR1\_enh*

[R1-2108701](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108701.zip) LS on scell dropping issue of CA RAN4, Huawei

**Relevant tdoc(s) under agenda item 5:**

[R1-2108947](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108947.zip) Draft reply LS on Scell dropping issue of CA vivo

[R1-2109048](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109048.zip) Discussion on "LS on scell dropping issue of CA" OPPO

[R1-2109139](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109139.zip) [Draft] Reply LS on Scell dropping issue of CA ZTE

[R1-2110135](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110135.zip) Draft Reply to RAN4 LS on SCell dropping issue of CA Ericsson

[R1-2110162](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110162.zip) Discussion on LS on SCell dropping issue of CA Qualcomm Incorporated

[R1-2108776](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108776.zip) Reply LS on Scell dropping issue of CA Huawei, HiSilicon

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| **Initial assessment** | Response LS needed. To be handled under agenda item 5.1. Separate email thread: [106bis-e-NR-R17-TxSwitching-02]. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment |
| Samsung | Agree with the initial assessment |
| SoftBank | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

## Incoming LSs “CC: RAN1”

All the following LSs are noted. No actions from RAN1 unless explicitly requested.

R1-2108698 Reply LS on determination of location estimates in local co-ordinates RAN3, Huawei

R1-2108718 Reply LS on determination of location estimates in local co-ordinates RAN2, Ericsson

R1-2108719 Reply LS on inter-donor migration RAN2, Samsung

R1-2109370 Reply LS to RAN2 on the capability of transparent TxD RAN4, vivo

R1-2109371 LS on R17 NR MG enhancements – Concurrent MG RAN4, CATT, MediaTek

R1-2109372 LS on criteria for RLM/BFD relaxation RAN4, vivo, MediaTek

R1-2109373 Reply LS on inter-donor migration RAN4, ZTE Corporation

R1-2109374 Reply LS on TCI state updates for L1/L2 centric inter-cell mobility RAN4, Ericsson

R1-2109375 LS on Rel-17 FeMIMO WI objective on link recovery procedure in FR2 serving cell RAN4, vivo

## Others

### *NR\_SL\_enh – Synchronous Uu and SL (from RAN1#106-e)*

R1-2106430 LS on synchronous operation between Uu and SL in TDD band n79 RAN4, CATT

**Relevant tdoc(s) under agenda item 5:**

[R1-2108816](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108816.zip) Discussion on RAN4 LS on synchronous operation between Uu and SL Nokia, Nokia Shanghai Bell

[R1-2110364](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110364.zip) Discussion on RAN4 LS on synchronous operation between Uu and SL in TDD band Huawei, HiSilicon

[R1-2108945](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108945.zip) Draft reply LS on synchronous operation between Uu and SL in TDD band vivo

[R1-2109064](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109064.zip) Discussion on synchronous operation between Uu and SL in TDD band OPPO

[R1-2109065](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109065.zip) Draft reply LS on synchronous operation between Uu and SL in TDD band OPPO

[R1-2109182](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109182.zip) Discussion on LS on synchronous operation between Uu and SL in TDD band CATT, GOHIGH

[R1-2109183](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109183.zip) Draft Reply LS on synchronous operation between Uu and SL in TDD band CATT, GOHIGH

[R1-2110157](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110157.zip) Draft Reply to RAN4 LS on synchronous operation between Uu and SL in TDD band Qualcomm Incorporated

[R1-2110337](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110337.zip) Discussion on RAN4 LS on synchronous operation between Uu and SL in TDD band Ericsson

[R1-2110336](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2110336.zip) [Draft] Reply LS on synchronous operation between Uu and SL in TDD band Ericsson

[R1-2109736](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2109736.zip) Discussion on synchronous operation between Uu and SL in TDD band ZTE, Sanechips

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| **Initial assessment** | To be handled under agenda item 8.11.2. Separate email thread: [106bis-e-NR-R17-Sidelink-04]. Discuss whether a reply LS is needed. If reply LS is needed, the same email threads is to be used to converge on the response to RAN4. |
| **Company** | **Views (if any)** |
| Nokia, NSB | Agree with the initial assessment. |
| Samsung | Agree with the initial assessment |
| vivo | Agree with the initial assessment |

# Conclusions

All incoming LSs are noted. The following incoming LSs will be further discussed for possible RAN1 action in RAN1#106bis-e.

1. [R1-2108707](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108707.zip) under agenda item 8.5.1: [106bis-e-NR-ePos-07] Discuss incoming LS on UE/TRP Tx/Rx timing error mitigation for a possible reply LS by October 18 – Su (Huawei)
2. [R1-2108711](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108711.zip) under agenda item 8.5.6: [106bis-e-NR-ePos-08] Discuss incoming LS on on-demand DL PRS parameters for a possible reply LS by October 18 – Alexey (Intel)
3. [R1-2108710](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108710.zip) under agenda item 8.11.1: [106bis-e-NR-R17-Sidelink-03] Discuss incoming LS on resource selection for a possible reply LS by October 18 – Moonil (InterDigital)
4. [R1-2108700](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108700.zip) under agenda item 5: [106bis-e-AI5-LSs-01] Discuss incoming LS on efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths for a possible reply LS by October 18 – ??? (Nokia)
5. [R1-2108703](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108703.zip) under agenda item 8.8.1.3: [106bis-e-NR-R17-CovEnh-06] Discuss incoming LS on PUCCH and PUSCH repetitions for a possible reply LS by October 18 – Yi (Qualcomm)
6. [R1-2108717](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108717.zip) under agenda item 8.1.1: [106bis-e-NR-feMIMO-09] Discuss incoming LS on inter-cell beam management and multi-TRP for a possible reply LS by October 18 – Mihai (Nokia)
7. [R1-2108713](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108713.zip) under agenda item 8.6.1.3: [106bis-e-NR-R17-RedCap-05] Discuss incoming LS on REDCAP L2 buffer size reduction for a possible reply LS by October 18 – Sicong (Spreadtrum)
8. [R1-2108714](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108714.zip) under agenda item 8.17.6: [106bis-e-R17-UE-features-REDCAP-02] Discuss incoming LS on capability related RAN2 agreements for REDCAP for a possible reply LS by October 18 – Johan (Ericsson)
9. [R1-2108704](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108704.zip) under agenda item 5: [106bis-e-AI5-LSs-02] Discuss incoming LS on beam information of PUCCH Scell in PUCCH SCell activation procedure for a possible reply LS by October 18 – Frank (Huawei)
10. [R1-2108715](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108715.zip) under agenda item 5.2: [106bis-e-NR-R17-SDT-02] Discuss incoming LS on RAN2 agreements related to SDT for a possible reply LS by October 18 – Ziyang (ZTE)
11. [R1-2108716](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108716.zip) under agenda item 8.7.1.1: [106bis-e-NR-R17-PowSav-04] Discuss incoming LS on UE power saving for a possible reply LS by October 18 – Weide (MediaTek)
12. [R1-2108701](file:///D:\Documents\3GPP%20documents\RAN1\TSGR1_106b-e\Docs\R1-2108701.zip) under agenda item 5.1: [106bis-e-NR-R17-TxSwitching-02] Discuss incoming LS on SCell dropping issue of CA for a possible reply LS by October 18 – Frank (Huawei)
13. R1-2106430 under agenda item 8.11.2: [106bis-e-NR-R17-Sidelink-04] Discuss incoming LS on synchronous operation between Uu and SL in TDD band n79 for a possible reply LS by October 18 – Rui (CATT)