**SA WG2 Meeting #S2-160AH-e List of Documents**

**22 - 29 January, 2024, Electronic meeting**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9.12.2 | - | - | - | XR (Extended Reality) and media services (XRM) | - | - | Docs:=64 |  | **-**  |
| 9.12.2 | **[S2-2400059](Docs%5C%5CS2-2400059.zip%22%20%5Ct%20%22_blank)** | LS In | Information | LS from RAN WG3: LS on defining new GTP-U Extension Header for PDU Set related information | RAN WG3 (R3-237845) | Rel-18 |  |  |  |
| 9.12.2 | - | - | - | LS from SA4 for out of order for the end PDU | - | - |  | Docs=12 | - |
| 9.12.2 | **[S2-2400069](Docs%5C%5CS2-2400069.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from SA WG4: LS on out of order reception for the end PDU of PDU Set/Data Burst | SA WG4 (S4-231955) | Rel-18 | Responses drafted in S2-2400181, S2-2400239, S2-2400593, S2-2400818, S2-2401152, S2-2401205 |  |  |
| 9.12.2 | **[S2-2400818](Docs%5C%5CS2-2400818.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DARFT] LS Reply on out of order reception for the end PDU of PDU Set/Data Burst | Huawei, HiSilicon | Rel-18 | Response to S2-2400069 |  | Suggest as baseline? |
| 9.12.2 | **[S2-2400181](Docs%5C%5CS2-2400181.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on out of order reception for the end PDU of PDU Set/Data Burst | vivo | Rel-18 | Response to S2-2400069 |  | Merge into 0818? |
| 9.12.2 | **[S2-2400239](Docs%5C%5CS2-2400239.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] LS Reply on out of order reception for the end PDU of PDU Set/Data Burst | CATT | Rel-18 | Response to S2-2400069 |  | Merge into 0818? |
| 9.12.2 | **[S2-2400593](Docs%5C%5CS2-2400593.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on out of order reception for the end PDU of PDU Set/Data Burst | China Mobile | Rel-18 | Response to S2-2400069 |  | Merge into 0818? |
| 9.12.2 | **[S2-2401152](Docs%5C%5CS2-2401152.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on out of order reception for the end PDU of PDU Set or Data Burst | OPPO | Rel-18 | Response to S2-2400069 |  | Merge into 0818? |
| 9.12.2 | **[S2-2401150](Docs%5C%5CS2-2401150.zip%22%20%5Ct%20%22_blank)** | DISCUSSION | Information | Discussion on the out of order reception for the end PDU of PDU Set/Data Burst. | OPPO | Rel-18 |  |  | Merge into 0818? |
| 9.12.2 | **[S2-2401205](Docs%5C%5CS2-2401205.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] LS Reply on out of order reception for the end PDU of PDU Set/Data Burst | Xiaomi | Rel-18 | Response to S2-2400069 |  | Merge into 0818? |
| 9.12.2 | **[S2-2400817](Docs%5C%5CS2-2400817.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5266 (Rel-18, 'F'): Out of order reception for the end PDU of PDU Set/Data Burst | Huawei, HiSilicon | Rel-18 |  |  | Suggest as baseline? |
| 9.12.2 | **[S2-2400184](Docs%5C%5CS2-2400184.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5216 (Rel-18, 'F'): Clarification and alignment on out of order receiption issue in N6 link | Tencent, Tencent Cloud | Rel-18 |  |  | Merge into 0817? |
| 9.12.2 | **[S2-2400320](Docs%5C%5CS2-2400320.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5227 (Rel-18, 'F'): Handling of out of order reception | Vivo | Rel-18 |  |  | Merge into 0817? |
| 9.12.2 | **[S2-2401151](Docs%5C%5CS2-2401151.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5293 (Rel-18, 'F'): Clarification on the out of order reception for the end PDU of PDU Set/Data Burst | OPPO | Rel-18 |  |  | Merge into 0817? |
| 9.12.2 | **[S2-2401206](Docs%5C%5CS2-2401206.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5296 (Rel-18, 'F'): Clarification on out of order reception for the end PDU of PDU Set and Data Burst | Xiaomi | Rel-18 |  |  | Merge into 0817? |
| 9.12.2 | - | - | - | LS from CT4 for packet delay measurement | - | - |  | Docs=4 | - |
| 9.12.2 | **[S2-2400013](Docs%5C%5CS2-2400013.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from CT WG4: LS on packet delay measurement | CT WG4 (C4-234616) | Rel-18 | Revision of Postponed S2-2311961 from SA WG2#160. Response drafted in S2-2400368, S2-2401102 |  |  |
| 9.12.2 | **[S2-2400369](Docs%5C%5CS2-2400369.zip%22%20%5Ct%20%22_blank)** | DISCUSSION | Agreement | On Questions raised by CT WG4 LS on packet delay measurement (S2-2400013 / C4-234616). | Ericsson | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400368](Docs%5C%5CS2-2400368.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on packet delay measurement | Ericsson | Rel-18 | Response to S2-2400013 |  | Suggest as baseline? |
| 9.12.2 | **[S2-2401102](Docs%5C%5CS2-2401102.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on packet delay measurement | ZTE | Rel-18 | Response to S2-2400013 |  | Merge into 0368? |
| 9.12.2 | **[S2-2400367](Docs%5C%5CS2-2400367.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5082R2 (Rel-18, 'F'): Correction of UPF reporting of QoS Monitoring packet delay | Ericsson, Huawei, Nokia, Nokia Shanghai Bell | Rel-18 | Revision of (postponed) S2-2313346 |  | Suggest as baseline? |
| 9.12.2 | **[S2-2401103](Docs%5C%5CS2-2401103.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5289 (Rel-18, 'F'): Correction of UPF reporting of QoS Monitoring packet delay | ZTE | Rel-18 |  |  | Merge into 0367? |
| 9.12.2 | **[S2-2401104](Docs%5C%5CS2-2401104.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1261 (Rel-18, 'F'): Correction of UPF reporting of QoS Monitoring packet delay | ZTE | Rel-18 |  |  |  |
| 9.12.2 | - | - | - | LS from RAN2&CT1 for PDU set UL handling | - | - |  | Docs=5 | - |
| 9.12.2 | **[S2-2400018](Docs%5C%5CS2-2400018.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from RAN WG2: LS on XR awareness | RAN WG2 (R2-2311590) | Rel-18 | Revision of Postponed S2-2311981 from SA WG2#160. Responses drafted in S2-2400180, S2-2400813 |  |  |
| 9.12.2 | **[S2-2400010](Docs%5C%5CS2-2400010.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from CT WG1: LS on uplink PDU Set | CT WG1 (C1-237936) | Rel-18 | Revision of Postponed S2-2311953 from SA WG2#160. Responses drafted in S2-2400180, S2-2400814 |  |  |
| 9.12.2 | **[S2-2400180](Docs%5C%5CS2-2400180.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] Reply LS on XR awareness and LS on uplink PDU Set | vivo | Rel-18 | Revision of (postponed) S2-2313677. Response to S2-2400010, S2-2400018 |  | Suggest as baseline? |
| 9.12.2 | **[S2-2400813](Docs%5C%5CS2-2400813.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] LS Reply on XR awareness | Huawei, HiSilicon | Rel-18 | Revision of (unhandled) S2-2312955. Response to S2-2400018 |  | Merge into 0180? |
| 9.12.2 | **[S2-2400814](Docs%5C%5CS2-2400814.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] LS Reply on uplink PDU Set | Huawei, HiSilicon | Rel-18 | Revision of (unhandled) S2-2312956. Response to S2-2400010 |  | Merge into 0180? |
| 9.12.2 | - | - | - | General | - | - |  | Docs=4 | - |
| 9.12.2 | **[S2-2400594](Docs%5C%5CS2-2400594.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5245 (Rel-18, 'F'): Corrections of XRM related clauses | China Mobile | Rel-18 |  |  | Suggest as baseline? |
| 9.12.2 | **[S2-2400760](Docs%5C%5CS2-2400760.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5259 (Rel-18, 'F'): Correction on XRM description | Samsung | Rel-18 |  |  | Merge into 0594? |
| 9.12.2 | **[S2-2401208](Docs%5C%5CS2-2401208.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5178R1 (Rel-18, 'F'): Update the XRM Service Supporting of SMF and AF | Xiaomi | Rel-18 | Revision of (unhandled) S2-2312857 |  | Merge into 0594? |
| 9.12.2 | **[S2-2401207](Docs%5C%5CS2-2401207.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5176R1 (Rel-18, 'F'): Corrections on NEF Functionality with XRM | Xiaomi | Rel-18 | Revision of (unhandled) S2-2312855 |  | Merge into 0594? |
| 9.12.2 | - | - | - | KI#1&2 Multi-modal service | - | - |  | Docs=6 | - |
| 9.12.2 | **[S2-2400686](Docs%5C%5CS2-2400686.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5255 (Rel-18, 'F'): Clarifications for multi-modal services | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400685](Docs%5C%5CS2-2400685.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4702 (Rel-18, 'F'): Clarifications for multi-modal services | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2401189](Docs%5C%5CS2-2401189.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4730 (Rel-18, 'F'): Properly define the update of the Multi-modal Service Requirements | Nokia, Nokia Shanghai Bell, [Ericsson], [Deutsche Telekom] | Rel-18 | Revised to S2-2401233 |  | Revised |
| 9.12.2 | **[S2-2401233](Docs%5C%5CS2-2401233.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4730R1 (Rel-18, 'F'): Support updating Multi-modal Service Requirements | Nokia, Nokia Shanghai Bell, [Ericsson], [Deutsche Telekom] | Rel-18 | Revision of S2-2401189 |  |  |
| 9.12.2 | **[S2-2400684](Docs%5C%5CS2-2400684.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1251 (Rel-18, 'F'): Clarifications for multi-modal services | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2401188](Docs%5C%5CS2-2401188.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1263 (Rel-18, 'F'): Support updating Multi-modal Service Requirements | Nokia, Nokia Shanghai Bell, [Ericsson], [Deutsche Telekom] | Rel-18 |  |  |  |
| 9.12.2 | - | - | - | KI#3 Information Exposure | - | - |  | Docs=9 | - |
| 9.12.2 | **[S2-2400366](Docs%5C%5CS2-2400366.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5081R1 (Rel-18, 'F'): Correction on Congestion Information Exposure | Ericsson | Rel-18 | Revision of (unhandled) S2-2312154 |  | 5.45.3 |
| 9.12.2 | **[S2-2400683](Docs%5C%5CS2-2400683.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4812R3 (Rel-18, 'F'): Corrections for traffic characteristics parameters in Alternative QoS Profile | Huawei, HiSilicon | Rel-18 | Revision of (unhandled) S2-2312803 |  | 5.7.1.2a, 5.7.2.4 |
| 9.12.2 | **[S2-2400980](Docs%5C%5CS2-2400980.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5282 (Rel-18, 'F'): Clarifications on ECN marking for L4S | Lenovo | Rel-18 |  |  | 5.37.5.1 |
| 9.12.2 | **[S2-2400769](Docs%5C%5CS2-2400769.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4707 (Rel-18, 'F'): Procedures for UPF relocation considering congestion exposure | Samsung | Rel-18 |  |  | 4.3.5.1, 4.3.5.2, 4.3.5.3, 4.17.6.1 |
| 9.12.2 | **[S2-2400768](Docs%5C%5CS2-2400768.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4706 (Rel-18, 'F'): Procedures for 5GS congestion exposure | Samsung | Rel-18 |  |  | 4.3.6.3, 4.15.6.6, 4.15.6.6a, 5.2.6.9 |
| 9.12.2 | **[S2-2400318](Docs%5C%5CS2-2400318.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1101R3 (Rel-18, 'F'): Update for QoS monitoring and network exposure | Vivo, Lenovo, Tencent, Tencent Cloud, China Mobile, China Telecom | Rel-18 | Revision of (unhandled) S2-2312098 |  |  |
| 9.12.2 | - | - | - | KI#4&5 PDU set handling | - | - |  | Docs=13 | - |
| 9.12.2 | **[S2-2400243](Docs%5C%5CS2-2400243.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] LS on Superseding the PDB and or PER with different UL and DL values for a given QoS Flow | CATT | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400242](Docs%5C%5CS2-2400242.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5224 (Rel-18, 'F'): PSER and PSDB supersede the PER and PDB per direction | CATT | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400371](Docs%5C%5CS2-2400371.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5228 (Rel-18, 'F'): Protocol Descriptions for UL and DL traffic | Ericsson | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400611](Docs%5C%5CS2-2400611.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5249 (Rel-18, 'F'): Clarification on support of PDU Set based QoS | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400766](Docs%5C%5CS2-2400766.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5260 (Rel-18, 'F'): Reflective QoS for UL PDU Set QoS handling | Samsung | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400979](Docs%5C%5CS2-2400979.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5281 (Rel-18, 'F'): Clarifications on non-homogeneous support of PDU set based handling in NG-RAN | Lenovo | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400815](Docs%5C%5CS2-2400815.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4642R3 (Rel-18, 'F'): Update on Support of UL PDU Set based QoS Handling | Huawei, HiSilicon | Rel-18 | Revision of (revised and postponed) S2-2312953 |  |  |
| 9.12.2 | **[S2-2400816](Docs%5C%5CS2-2400816.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1225R1 (Rel-18, 'F'): Update on support of UL PDU Set based QoS handling | Huawei, HiSilicon | Rel-18 | Revision of (unhandled) S2-2312954 |  |  |
| 9.12.2 | **[S2-2400370](Docs%5C%5CS2-2400370.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4681 (Rel-18, 'F'): UPF activation of PDU Set Identification and marking for DL only | Ericsson | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400722](Docs%5C%5CS2-2400722.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4512R2 (Rel-18, 'F'): Clarification on Service Request Procedure for PDU Set based handling | Google | Rel-18 | Revision of (unhandled) S2-2313117 |  |  |
| 9.12.2 | **[S2-2400726](Docs%5C%5CS2-2400726.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4514R2 (Rel-18, 'F'): Clarification on PDU Set based handling during UE states transition | Google | Rel-18 | Revision of (unhandled) S2-2313119 |  |  |
| 9.12.2 | **[S2-2401271](Docs%5C%5CS2-2401271.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4735 (Rel-18, 'F'): Clarification on PDU Set based handling in home routed case | Google | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400372](Docs%5C%5CS2-2400372.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1245 (Rel-18, 'F'): Protocol Description for UL and DL traffic | Ericsson | Rel-18 |  |  |  |
| 9.12.2 | - | - | - | KI#7 Packet Delay Variation | - | - |  | Docs=1 | - |
| 9.12.2 | **[S2-2400842](Docs%5C%5CS2-2400842.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5267 (Rel-18, 'F'): Modification to the Packet delay variation monitoring | ZTE | Rel-18 |  |  |  |
| 9.12.2 | - | - | - | KI#8 Power Saving | - | - |  | Docs=9 | - |
| 9.12.2 | **[S2-2400168](Docs%5C%5CS2-2400168.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5215 (Rel-18, 'F'): Clarification on N6 jitter information associated periodicity from AF | Tencent,Tencent Cloud | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400240](Docs%5C%5CS2-2400240.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5222 (Rel-18, 'F'): Packet filter with DSCP and ECN | CATT | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400241](Docs%5C%5CS2-2400241.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5223 (Rel-18, 'F'): UL Data Burst Handling | CATT | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2401190](Docs%5C%5CS2-2401190.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR5295 (Rel-18, 'F'): Clarifications on applicability of Protocol Description in PDR for EoDB identification in DL | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400319](Docs%5C%5CS2-2400319.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4295R3 (Rel-18, 'F'): Update for UE power saving management | Vivo, Lenovo, China Telecom, China Mobile | Rel-18 | Revision of (unhandled) S2-2312099 |  |  |
| 9.12.2 | **[S2-2401191](Docs%5C%5CS2-2401191.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4731 (Rel-18, 'F'): Clarifications on applicability of Protocol Description for EoDB identification in DL | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2400843](Docs%5C%5CS2-2400843.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1256 (Rel-18, 'F'): Clarification on AF providing Periodicity and PCF behavoir | ZTE | Rel-18 |  |  |  |
| 9.12.2 | **[S2-2401040](Docs%5C%5CS2-2401040.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1258 (Rel-18, 'F'): Update for UE power saving management | Vivo, Lenovo, China Telecom | Rel-18 |  |  |  |