**SA WG2 Meeting #S2-154 List of Documents**

**14 - 18 November, 2022, Toulouse, France**

List for Meeting: **All Sessions**
**Temporary Documents List - Ordered by Agenda Item**

| **AI**  | **TD#**  | **Type**  | **Doc For**  | **Subject**  | **Source**  | **Rel**  | **Work Item**  | **Comments**  | **Result**  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9.19.1 | - | - | - | Study on XR (Extended Reality) and media services (FS\_XRM) | - | - | Puneet | Docs:=73 | **-**  |
| 9.19.1 | **S2-2210181** | LS In | Action | LS from SA WG4: Reply LS on further details on XR traffic | SA WG4 (S4aV220921) |  | FS\_XRM | Revision of Postponed S2-2209257 from SA2#153E |  |
| 9.19.2 | **S2-2210177** | LS In | Action | LS from SA WG4: Reply LS to Follow-up LS on QoS support with Media Unit granularity | SA WG4 (S4-221174) |  | FS\_XRM, FS\_XRTraffic | Revision of Postponed S2-2208157 from SA2#153E | Suggest to move this LS from 9.19.2 to 9.19.1 |
| 9.19.1 | - | - | - | KI#1 | - | - |  | Docs:=14 | **-**  |
| 9.19.1 | [**S2-2210561**](file:///C%3A%5C%E5%B7%A5%E4%BD%9C%5CSA2%23154%5CDocs%5CS2-2210561.zip) | P-CR | Approval | 23.700-60: Conclusion update for KI#1 | China Mobile | Rel-18 | FS\_XRM | Baseline |  |
| 9.19.1 | [**S2-2210353**](file:///C%3A%5C%E5%B7%A5%E4%BD%9C%5CSA2%23154%5CDocs%5CS2-2210353.zip) | P-CR | Approval | 23.700-60: KI#1: Updates to conclusions | Ericsson, Deutsche Telekom, Apple, Qualcomm Incorporated, Intel, Meta USA | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | [**S2-2210553**](file:///C%3A%5C%E5%B7%A5%E4%BD%9C%5CSA2%23154%5CDocs%5CS2-2210553.zip) | P-CR | Approval | 23.700-60: Conclusion update for XRM\_KI1 | Huawei, HiSilicon, China Mobile, China Telecom, Xiaomi, Tencent | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210305** | P-CR | Approval | 23.700-60: KI#1, Update of the Conclusion | Nokia, Nokia Shanghai-Bell | Rel-18 | FS\_XRM | Revised to S2-2210475 | revised |
| 9.19.1 | **S2-2210475** | P-CR | Approval | 23.700-60: KI#1, Update of the Conclusion | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210647** | P-CR | Approval | 23.700-60: FS\_XRM\_KI1 Conclusion Update on Delay Difference | Xiaomi | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210476** | P-CR | Approval | 23.700-60: Conclusion update on KI #1 | SAMSUNG | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210352** | P-CR | Approval | 23.700-60: KI #1 and KI#2, Conclusion Update for the common ID | InterDigital Inc. | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210414** | P-CR | Approval | 23.700-60: KI#1&2, Conclusion update to fix ENs | vivo | Rel-18 | FS\_XRM | Merged into S2-2210561 |  |
| 9.19.1 | **S2-2210624** | P-CR | Approval | 23.700-60: KI#1 and KI#2 Solutions evaluation | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Evaluation |  |
| 9.19.1 | **S2-2210746** | P-CR | Approval | 23.700-60: Evaluation for KI#1&2 | China Mobile | Rel-18 | FS\_XRM | Evaluation |  |
| 9.19.1 | **S2-2210477** | P-CR | Approval | 23.700-60: Fix on solution #66 multi-modality support (KI #1 and #2) | SAMSUNG | Rel-18 | FS\_XRM | Solution update |  |
| 9.19.1 | - | - | - | KI#2 | - | - |  | Docs:=5 | -  |
| 9.19.1 | **S2-2210354** | P-CR | Approval | 23.700-60: KI#2: Updates to conclusions | Ericsson, Deutsche Telekom, Apple, Qualcomm Incorporated, Intel, Meta USA | Rel-18 | FS\_XRM | Baseline |  |
| 9.19.1 | **S2-2210648** | P-CR | Approval | 23.700-60: FS\_XRM\_KI2 Conclusion Update on Multiple PCFs | Xiaomi | Rel-18 | FS\_XRM | Merged into S2-2210354 |  |
| 9.19.1 | **S2-2210609** | P-CR | Approval | 23.700-60: Conclusion Update for KI#2 | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Merged into S2-2210354 |  |
| 9.19.1 | **S2-2210611** | P-CR | Approval | 23.700-60: Conclusion update for KI#2 | China Mobile | Rel-18 | FS\_XRM | Merged into S2-2210354 |  |
| 9.19.1 | **S2-2210478** | P-CR | Approval | 23.700-60: Conclusion update on KI #2 | SAMSUNG | Rel-18 | FS\_XRM | Merged into S2-2210354 |  |
| 9.19.1 | - | - | - | KI#3 | - | - |  | Docs:=12 | -  |
| 9.19.1 | **S2-2210905** | P-CR | Approval | 23.700-60: KI#3, Conclusion update for normal data interruption event | Meta USA, vivo, China Mobile, China Telecom, MediaTek, OPPO, Xiaomi, Apple, Tencent, Google, Charter Communications, CableLabs, InterDigital | Rel-18 | FS\_XRM | Baseline |  |
| 9.19.1 | **S2-2210554** | P-CR | Approval | 23.700-60: Update to conclusion of KI#3 | Huawei, HiSilicon | Rel-18 | FS\_XRM | Update for Individual handling |  |
| 9.19.1 | **S2-2210486** | P-CR | Approval | 23.700-60: KI#3: update conclusion to reduce the bitrate report frequency | CATT | Rel-18 | FS\_XRM | Update for Individual handling |  |
| 9.19.1 | **S2-2210564** | P-CR | Approval | 23.700-60: KI#3: Exposure information via QNC Notification: Evaluation and conclusion | MediaTek Inc. | Rel-18 | FS\_XRM | Update for Individual handling |  |
| 9.19.1 | **S2-2210427** | P-CR | Approval | 23.700-60: Key Issues #3 conclusion update | Lenovo | Rel-18 | FS\_XRM | Update for individual handling |  |
| 9.19.1 | **S2-2210464** | P-CR | Approval | 23.700-60: KI #3, conclusion update | Samsung Electronics Czech | Rel-18 | FS\_XRM | Update for individual handling |  |
| 9.19.1 | **S2-2210841** | P-CR | Approval | 23.700-60: FS\_XRM: KI#3 Clarify conclusions of Ki#3 to support L4S over non-3GPP access | CableLabs | Rel-18 | FS\_XRM | Update for individual handling |  |
| 9.19.1 | **S2-2210907** | LS OUT | Action | KI3: draft LS on support for L4S over a non-3GPP access | CableLabs | Rel-18 | FS\_XRM | Update for individual handling |  |
| 9.19.1 | **S2-2210401** | P-CR | Approval | 23.700-60: KI#3: Conclusion EN Resolution | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Merged into S2-2210905 |  |
| 9.19.1 | **S2-2210480** | P-CR | Approval | 23.700-60: Conclusion update on normal data Tx interruption event notification(KI#3) | SAMSUNG | Rel-18 | FS\_XRM | Merged into S2-2210905 |  |
| 9.19.1 | **S2-2210766** | P-CR | Agreement | 23.700-60: KI#3, Evaluation of solutions | Tencent, Tencent Cloud | Rel-18 | FS\_XRM | Evaluation |  |
| 9.19.1 | **S2-2210479** | P-CR | Approval | 23.700-60: Solution#5 update on Normal data transmission interruption (KI#3) | SAMSUNG | Rel-18 | FS\_XRM | Solution update |  |
| 9.19.1 | - | - | - | KI#4&5 | - | - |  | Docs:=30 | -  |
| 9.19.1 | **S2-2210501** | P-CR | Approval | 23.700-60: KI#4&5, Conclusion update | Huawei, HiSilicon | Rel-18 | FS\_XRM | baseline |  |
| 9.19.1 | - | - | - | KI#4&5:PDU set importance | - | - |  | Docs:=30 | -  |
| 9.19.1 | **S2-2210223** | P-CR | Approval | 23.700-60: KI#4, KI#5: Conclusion on PDU Set Importance | Intel | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210415** | P-CR | Approval | 23.700-60: KI#4/5, Conclusion update for PDU Set importance | vivo | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210402** | P-CR | Approval | 23.700-60: KI#4&5: Conclusion | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210487** | P-CR | Approval | 23.700-60: KI#4/5: Update Conclusion on PDU Set Importance | CATT | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210339** | P-CR | Approval | 23.700-60: KI #4 and 5: Updates to resolve Editor s Notes in Conclusion | Futurewei | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210296** | P-CR | Approval | 23.700-60: KI#4,5 Conclusion update to resolve EN of PDU Set importance | OPPO | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210691** | P-CR | Approval | 23.700-60: KI#4, KI#5: Conclusion on PDU Set Importance | ZTE | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210909** | P-CR | Approval | 23.700-60: KI#4, KI#5: PDU Set Importance with single QoS Flow | Meta USA | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | - | - | - | KI#4&5:PDU set information and parameters | - | - |  | Docs:=10 | -  |
| 9.19.1 | **S2-2210355** | P-CR | Approval | 23.700-60: KI#4: Updates to conclusions | Ericsson | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210297** | P-CR | Approval | 23.700-60: KI#4,5, Conclusion Update to resolve EN on PDU Set information parameters | OPPO | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210872** | P-CR | Approval | 23.700-60: KI#4-5: Conclusions update | Qualcomm Incorporated | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210416** | P-CR | Approval | 23.700-60: KI#4/5, Conclusion update to fix ENs for PDU Set QoS | vivo | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210565** | P-CR | Approval | 23.700-60: KI#4&KI#5: Conclusion | MediaTek Inc. | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210481** | P-CR | Approval | 23.700-60: Conclusion update on KI #4 and #5 | SAMSUNG | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210568** | P-CR | Approval | 23.700-60: KI#4 and 5, Conclusion update to solve the ENs | Tencent, Tencent Cloud | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210859** | P-CR | Approval | 23.700-60: KI#4, KI#5: Update Conclusion on Clause 8.4.1 for PDU Set QoS | Google Inc. | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210906** | P-CR | Approval | 23.700-60: KI#4 and KI#5: Resolving PSDB definition based on 5QI usage for PSDB | Meta USA | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210428** | P-CR | Approval | 23.700-60: Key Issues #4&5 conclusion update | Lenovo | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | - | - | - | KI#4&5:N6 protocol | - | - |  | Docs:=3 | -  |
| 9.19.1 | **S2-2210222** | P-CR | Approval | 23.700-60: KI#4, KI#5: Additional conclusion on PDU Set Information identification | Intel | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210356** | P-CR | Approval | 23.700-60: KI#4: N6 in-band signaling solutions evaluation and conclusions | Ericsson, Meta USA, Apple | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210692** | P-CR | Approval | 23.700-60: I#4, KI#5: Additional conclusion on PDU Set Information identification | ZTE | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | - | - | - | KI#4&5:others | - | - |  | Docs:=8 | -  |
| 9.19.1 | **S2-2210852** | P-CR | Approval | 23.700-60: KI#4, KI#5: Addition of missing codec in the conclusion | Intel, Google Inc., Cisco, Apple, Meta USA | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210649** | P-CR | Approval | 23.700-60: FS\_XRM\_KI4\_KI5 Conclusion Update on the Charging Offset | Xiaomi | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210777** | P-CR | Approval | 23.700-60: KI#4&5 Conclusion update | Sony | Rel-18 | FS\_XRM | Merged into S2-2210501 |  |
| 9.19.1 | **S2-2210838** | P-CR | Approval | 23.700-60: FX\_XRM: KI#4and KI#5, support for PDU Set over non-3GPP access | CableLabs | Rel-18 | FS\_XRM | Update for individual handling |  |
| 9.19.1 | **S2-2210870** | LS OUT | Approval | [DRAFT] LS on PDU Set Importance and in-order delivery over Uu | Intel | Rel-18 |  |  |  |
| 9.19.1 | **S2-2210861** | LS OUT | Approval | Draft LS on XR and Media Services for PDU Set QoS parameters and QoS flows | Google Inc. | Rel-18 | FS\_XRM |  |  |
| 9.19.1 | **S2-2210676** | LS OUT | Approval | [Darft] LS on further issues concerning XR and Media services | Ericsson Inc. | Rel-18 | FS\_XRM |  |  |
| 9.19.1 | **S2-2210908** | LS OUT | Action | KI4, KI5: draft LS on support for PDU Set over a non-3GPP access | CableLabs | Rel-18 | FS\_XRM |  |  |
| 9.19.1 | - | - | - | KI#8 | - | - |  | Docs:=11 | -  |
| 9.19.1 | **S2-2210873** | P-CR | Approval | 23.700-60: Ki#8: Conclusions update | Qualcomm Incorporated | Rel-18 | FS\_XRM | Baseline |  |
| 9.19.1 | **S2-2210417** | P-CR | Approval | 23.700-60: KI#8, Conclussion update to fix ENs | vivo | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210278** | P-CR | Approval | 23.700-60: KI#8, Conclusion update to resolve EN | Tencent, Tencent Cloud | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210911** | P-CR | Approval | 23.700-60: KI#8: Resolve the EN w.r.t Traffic Jitter information | Meta USA | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210357** | P-CR | Approval | 23.700-60: KI#8: Updates to conclusions | Ericsson | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210298** | P-CR | Approval | 23.700-60: KI#8 conclusions updates | OPPO | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210403** | P-CR | Approval | 23.700-60: KI#8: Conclusion EN Resolution | Nokia, Nokia Shanghai Bell | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210502** | P-CR | Approval | 23.700-60: KI#8, Conclusion update | Huawei, HiSilicon | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210566** | P-CR | Approval | 23.700-60: KI#8 Evaluation and conclusion | MediaTek Inc. | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210694** | P-CR | Approval | 23.700-60: Conclusion update for KI#8 | China Mobile | Rel-18 | FS\_XRM | Merged into S2-2210873 |  |
| 9.19.1 | **S2-2210358** | DISCUSSION | Agreement | Discussion on Data burst | Ericsson |  | FS\_XRM | Update for Individual handling |  |
| 9.19.1 | - | - | - | KI#9 | - | - |  | Docs:=1 | -  |
| 9.19.1 | **S2-2210650** | P-CR | Approval | 23.700-60: FS\_XRM\_KI9 Conclusion Update | Xiaomi | Rel-18 | FS\_XRM | Baseline |  |
| 9.19.2 | - | - | - | XR (Extended Reality) and media services (XRM) | - | - | Puneet | Docs:=14 | **-**  |
| 9.19.2 | - | - | - | General  | - | - |  | Docs:=1 | -  |
| 9.19.2 | **S2-2210295** | CR | Approval | 23.501 CR3759 (Rel-18, 'B'): Support of XR and Media Services | Tencent, Tencent Cloud,China Mobile,OPPO | Rel-18 | DUMMY |  |  |
| 9.19.2 | - | - | - | KI#6 conclusion related CRs | - | - |  | Docs:=7 | -  |
| 9.19.2 | **S2-2210418** | CR | Approval | 23.501 CR3771 (Rel-18, 'B'): Introduction of Round-Trip delay requirements | vivo | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210299** | CR | Approval | 23.501 CR3760 (Rel-18, 'B'): Support of uplink-downlink transmission coordination | OPPO,Tencent, Tencent Cloud | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210651** | CR | Approval | 23.502 CR3632 (Rel-18, 'B'): XRM\_KI#6\_23.502\_RT latency of XRM service | Xiaomi | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210504** | CR | Approval | 23.502 CR3617 (Rel-18, 'B'): KI#6, Support of UL/DL transmission coordination to meet RT latency requirements | Huawei, HiSilicon | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210503** | CR | Approval | 23.503 CR0773 (Rel-18, 'B'): KI#6, Support of UL/DL transmission coordination to meet RT latency requirements | Huawei, HiSilicon | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210652** | CR | Approval | 23.503 CR0784 (Rel-18, 'B'): XRM\_KI#6\_23.503\_RT latency of XRM service | Xiaomi | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210419** | CR | Approval | 23.503 CR0768 (Rel-18, 'B'): Introduction of Round-Trip delay requirements | vivo | Rel-18 | DUMMY |  |  |
| 9.19.2 | - | - | - | KI#7 conclusion related CRs | - | - |  | Docs:=2 | -  |
| 9.19.2 | **S2-2210587** | CR | Approval | 23.501 CR3792 (Rel-18, 'B'): Introduction of QoS monitoring to monitor jitter value requested by AF | China Mobile, Tencent | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210593** | CR | Approval | 23.503 CR0781 (Rel-18, 'B'): Introduction of QoS monitoring to monitor jitter value requested by AF | China Mobile, Tencent | Rel-18 | DUMMY |  |  |
| 9.19.2 | - | - | - | KI#9 conclusion related CRs | - | - |  | Docs:=2 | -  |
| 9.19.2 | **S2-2210653** | CR | Approval | 23.502 CR3633 (Rel-18, 'B'): XRM\_KI#9\_23.502\_Codec Information Provision to PCF | Xiaomi | Rel-18 | DUMMY |  |  |
| 9.19.2 | **S2-2210654** | CR | Approval | 23.503 CR0785 (Rel-18, 'B'): XRM\_KI#9\_23.503\_Codec Information Provision to PCF | Xiaomi | Rel-18 | DUMMY |  |  |
| 9.19.2 | - | - | - | KI#3 conclusion related CRs | - | - |  | Docs:=1 | -  |
| 9.19.2 | **S2-2210515** | CR | Approval | 23.501 CR3782 (Rel-18, 'C'): Update on the reference architecture and UPF service for exposure of the congestion level information to support XR/media service | LG Electronics | Rel-18 | DUMMY |  |  |

Created:      **END OF LIST**
OPEN documents: **0**
Parallel Agreed: **0**
Approved/Endorsed: **0**
Agreed: **0**
Replied to LSs: **0**
Noted: **0**
Merged: **0**
For e-mail approval: **0**
Postponed: **0**
Withdrawn: **9**
Total documents: **765**