**Draft SA2@157 Agenda for AIMLsys (9.9.2)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9.9.2 | - | - | - | System Support for AI/ML-based Services (AIMLsys) | - | - | Puneet | Docs:=42 | **-**  |
|  |  |  |  | LSin/out & General |  |  |  |  |  |
| 9.9.2 | **[S2-2306275](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306275.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from CT WG3: LS on API enhancement for GMEC services and AIMLSys services | CT WG3 (C3-230783) | Rel-18 | GMEC, AIMLsys | Revision of Postponed S2-2303934 from S2#156E. Responses drafted in S2-2306705, S2-2307091 |  |
| 9.9.2 | **[S2-2306705](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306705.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] R18\_Reply LS on LS on API enhancement for GMEC services and AIMLSys services | Nokia, Nokia Shanghai Bell | Rel-18 | GMEC, AIMLsys | Response to S2-2306275. | Proposed to be the baseline to merge with **S2-2307091** |
| 9.9.2 | **[S2-2307091](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307091.zip%22%20%5Ct%20%22_blank)** | LS OUT | Approval | [DRAFT] ReplyLS on API enhancement for GMEC services and AIMLSys services | Huawei, HiSilicon | Rel-18 | GMEC, AIMLsys | Revision of S2-2304440. Response to S2-2306275. | Proposed to be merged into **S2-2306705** |
| 9.9.2 | **[S2-2306326](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306326.zip%22%20%5Ct%20%22_blank)** | LS In | Action | LS from SA WG5: Reply LS on Performance measurement for AI/ML | SA WG5 (S5-233550) | Rel-18 |  |  |  |
| 9.9.2 | **[S2-2306900](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306900.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4192R3 (Rel-18, 'F'): High level feature description for AIMLsys | [Ericsson, Samsung, OPPO], Huawei, HiSilicon | Rel-18 | AIMLsys | Revision of S2-2305430. | Proposed to be merged into **S2-2307047** |
| 9.9.2 | **[S2-2307047](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307047.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4192R4 (Rel-18, 'F'): High level feature description for AIMLsys | Ericsson, Samsung, OPPO | Rel-18 | AIMLsys | Revision of S2-2305430. | Proposed to be the baseline to merge with **S2-2306900** |
| 9.9.2 | **[S2-2306698](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306698.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4255R2 (Rel-18, 'F'): R18 AIMLsys\_General\_23501 CR\_EN on AIML traffic | Nokia, Nokia Shanghai Bell | Rel-18 | AIMLsys | Revision of S2-2305431. |  |
| 9.9.2 | **[S2-2306496](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306496.zip%22%20%5Ct%20%22_blank)** | DISCUSSION | Discussion | Procedure enhancement to support NAT applied use case. | Qualcomm Incorporated | Rel-18 | UPEAS, AIMLsys, eNA\_Ph3 |  |  |
|  |  |  |  | Key Issue #1: Monitoring of network resource utilization for support of Application AI/ML operations |  |  |  |  |  |
| 9.9.2 | **[S2-2306754](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306754.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4408R2 (Rel-18, 'B'): NEF capability for the new AIML service | [Samsung, OPPO], vivo | Rel-18 | AIMLsys | Revision of S2-2305433. |  |
| 9.9.2 | **[S2-2306402](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306402.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4167 (Rel-18, 'B'): NEF registration to support AF session with required QoS for a set of UEs | vivo | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306501](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306501.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4174 (Rel-18, 'F'): NEF discovery for multi NEF capability | OPPO  | Rel-18 | AIMLsys |  |  |
| 9.9.2 | [**S2-2306869**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306869.zip) | CR | Approval | 23.502 CR3954R4 (Rel-18, 'B'): Solving ENs in the Procedures for Consolidated-MBR Monitoring | Huawei, Ericsson, ETRI, OPPO [, Samsung] | Rel-18 | AIMLsys | Revision of S2-2306246. | Proposed to be the baseline to merge with [**S2-2306702**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306702.zip) and [**S2-2306497**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306497.zip) |
| 9.9.2 | **[S2-2306497](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306497.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR3954R2 (Rel-18, 'B'): Solving ENs in the Procedures for Consolidated-MBR Monitoring | [Ericsson, Huawei, ETRI, OPPO, Samsung], Qualcomm Incorporated | Rel-18 | AIMLsys | Revision of S2-2306246. | Proposed to be merged into [**S2-2306869**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306869.zip) |
| 9.9.2 | **[S2-2306499](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306499.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4173 (Rel-18, 'B'): Update API to support NAT applied use case | Qualcomm Incorporated | Rel-18 | AIMLsys |  |  |
| 9.9.2 | [**S2-2306702**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306702.zip) | CR | Approval | 23.502 CR3954R3 (Rel-18, 'B'): Solving ENs in the Procedures for Consolidated-MBR Monitoring | [Ericsson, Huawei, ETRI, OPPO, Samsung] Nokia, Nokia Shanghai Bell, SK Telecom | Rel-18 | AIMLsys | Revision of S2-2306246. | Proposed to be merged into [**S2-2306869**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306869.zip) |
| 9.9.2 | **[S2-2306507](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306507.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4176 (Rel-18, 'B'): Procedures for Multi-member AF Session Revoke  | OPPO, ETRI, Huawei (?), Ericsson (?),Samsung(?) | Rel-18 | AIMLsys | Confirm Sources! |  |
| 9.9.2 | **[S2-2306701](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306701.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR3981R2 (Rel-18, 'F'): R18 AIMLsys\_KI1\_23502 CR\_SingleSO\_for\_QoS | Nokia, Nokia Shanghai Bell, SK Telecom | Rel-18 | AIMLsys | Revision of S2-2305432. |  |
|  |  |  |  | Key Issue #4: Enhancing External Parameter Provisioning |  |  |  |  |  |
| 9.9.2 | **[S2-2306643](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306643.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR3982R2 (Rel-18, 'B'): R18 AIMLsys\_KI4\_23502 CR for clarification on parameter provisioning | Ericsson [Nokia, Nokia Shanghai Bell, Samsung] | Rel-18 | AIMLsys | Revision of S2-2305435. | Proposed to be merged into **S2-2306706** |
| 9.9.2 | [**S2-2306706**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306706.zip) | CR | Approval | 23.502 CR3982R3 (Rel-18, 'B'): R18 AIMLsys\_KI4\_23502 CR for clarification on parameter provisioning | Nokia, Nokia Shanghai Bell, Samsung | Rel-18 | AIMLsys | Revision of S2-2305435. | Proposed to be the baseline to merge with **S2-2306643** |
|  |  |  |  | Key Issue #5: 5GC Enhancements to enable Application AI/ML Traffic Transport |  |  |  |  |  |
| 9.9.2 | **[S2-2306508](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306508.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4084R2 (Rel-18, 'F'): Update the procedures for PDTQ policy | [Huawei, HiSilicon], OPPO | Rel-18 | AIMLsys | Revision of S2-2305437. Revision marks on CR Cover page! |  |
| 9.9.2 | [**S2-2306902**](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306902.zip) | CR | Approval | 23.502 CR4084R3 (Rel-18, 'F'): Update the procedures for PDTQ policy | Huawei, HiSilicon | Rel-18 | AIMLsys | Revision of S2-2305437. |  |
| 9.9.2 | **[S2-2306770](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306770.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4194 (Rel-18, 'B'): AIMLsys: KI#5 Applying PDTQ Policy | LG Electronics | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306903](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306903.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1009R2 (Rel-18, 'B'): Updates on PDTQ policy | Huawei, HiSilicon | Rel-18 | AIMLsys | Revision of S2-2305438. |  |
|  |  |  |  | Key Issue #6: QoS and Policy enhancements |  |  |  |  |  |
| 9.9.2 | **[S2-2306504](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306504.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4473R2 (Rel-18, 'F'): 5QI for AIML services | Qualcomm Incorporated, [Samsung, OPPO] | Rel-18 | AIMLsys | Revision of S2-2305439. |  |
| 9.9.2 | **[S2-2306707](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306707.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4186 (Rel-18, 'B'): R18 AIMLsys\_KI6\_23502 CR for adding timing info for AF QoS | Nokia, Nokia Shanghai Bell, SK Telecom | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306708](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306708.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.503 CR1054 (Rel-18, 'B'): R18 AIMLsys\_KI6\_23503 CR for adding timing info for AF QoS | Nokia, Nokia Shanghai Bell, SK Telecom | Rel-18 | AIMLsys |  |  |
|  |  |  |  | Key Issue #7: 5GS Assistance to Federated Learning Operation |  |  |  |  |  |
|  |  |  |  | 1. On assistance to selection of UE for FL operation
 |  |  |  |  |  |
| 9.9.2 | **[S2-2306403](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306403.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.288 CR0821 (Rel-18, 'B'): NEF consumes analytic of OSE to support UE member selection | vivo, InterDigital Inc. | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306364](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306364.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4163 (Rel-18, 'B'): NEF MemberUESelectionAssistance\_Notify input extension | NTT DOCOMO | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306498](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306498.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4591 (Rel-18, 'F'): NEF capability for the new AIML service | OPPO | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306505](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306505.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4175 (Rel-18, 'F'): Clarification on the notification the new candidate UE list | OPPO | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306631](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306631.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4031R2 (Rel-18, 'B'): Service Experience filering criteria in assistace to UE member selection | [InterDigital, Europe, Ltd.], MediaTek Inc. | Rel-18 | AIMLsys | Revision of S2-2305443. |  |
| 9.9.2 | **[S2-2306641](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306641.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR3953R2 (Rel-18, 'F'): AIMLsys - QoS filtering criteria corrections | Ericsson | Rel-18 | AIMLsys | Revision of S2-2305444. |  |
| 9.9.2 | [**S2-2306769**](file:///C%3A%5CUsers%5CTricci%5C3GPP%5C2023%5CMay.2023%5CAIMLsys%5CDocs%5CS2-2306769.zip) | CR | Approval | 23.502 CR4040R2 (Rel-18, 'B'): AIMLsys: KI#7 additional information provided by NEF | LG Electronics | Rel-18 | AIMLsys | Revision of S2-2305445. |  |
| 9.9.2 | **[S2-2306831](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306831.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4042R1 (Rel-18, 'B'): Update to UE Member Filtering Criteria | Sony, OPPO | Rel-18 | AIMLsys | Revision of S2-2304638. |  |
| 9.9.2 | **[S2-2306840](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306840.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4622 (Rel-18, 'B'): Update to UE member selection assistance functionality for application operation | Sony, OPPO | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2306901](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306901.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.501 CR4427R2 (Rel-18, 'F'): Clarifications on the UE member selection assistance functionality | Huawei, HiSilicon | Rel-18 | AIMLsys | Revision of S2-2305442. |  |
| 9.9.2 | **[S2-2306904](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2306904.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4204 (Rel-18, 'B'): Update the Member-UE selection criteria | Huawei, HiSilicon | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2307029](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307029.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4212 (Rel-18, 'B'): Updates to filtering criteria for UE member selection  | Samsung | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2307030](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307030.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4213 (Rel-18, 'B'): Updates to procedures for 5GC assistance to member selection based on UE location  | Samsung | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2307041](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307041.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR3986R1 (Rel-18, 'B'): Updates to assistance for UE member selection | Samsung | Rel-18 | AIMLsys | Revision of S2-2304283. |  |
| 9.9.2 | **[S2-2307096](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307096.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4217 (Rel-18, 'F'): ENs removal for UE Member Filtering Criteria for 5GS assistance to UE member selection in TS 23.502 | China Mobile | Rel-18 | AIMLsys |  |  |
| 9.9.2 | **[S2-2307259](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_157_Berlin_2023-05/Docs/S2-2307259.zip%22%20%5Ct%20%22_blank)** | CR | Approval | 23.502 CR4155R1 (Rel-18, 'B'): AIMLsys: KI#7 UP Security filtering criteria for UE Member Selection | InterDigital, Europe, Ltd. | Rel-18 | AIMLsys | Revision of S2-2305367. |  |