**SA WG2 Meeting #S2-156E List of Documents**

#### Please keep the row table (top)

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| **Meeting docs** | https://www.3gpp.org/ftp/tsg\_sa/WG2\_Arch/TSGS2\_156E\_Electronic\_2023-04/Docs/ |

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| 9.20.1 | - | - | - | Study on the support for 5WWC Phase 3 (FS\_5WWC\_Ph2) | - | - | Docs:=0 |  | **-** |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) | - | - | Docs:=37 | Budget=.75 TU = 22 Tdocs, following exempted   1. Discussion Paper (for Information) 2. LS IN/OUT will be exempted.   Was 37, now 5 + 1 + 2 +1 +1 +3 = 12 | **-** |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / General (LS) |  |  | Docs:=0 | -2 (LS out of quota) |  |
| 9.20.2 | [**S2-2303917**](Docs\S2-2303917.zip) | LS In | Action | LS from BBF: BBF answer to your liaison S2-2207761 solutions for 5WWC\_Ph2 Key Issue 1 | BBF (LIAISE-562-05) |  | Revision of postponed S2-2302184 from S2#155. Response drafted in S2-2305015 |  |  |
| 9.20.2 | [**S2-2305015**](Docs\S2-2305015.zip) | LS OUT | Approval | [DRAFT] LS on progress of 5WWC\_Ph2 normative work | Nokia, Nokia Shanghai Bell | Rel-18 | Response to S2-2303917 |  |  |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / KI1 3GPP UE |  |  | Docs:= 5 | was 11  -1 out not in quota  - 5 merged |  |
| 9.20.2 | [**S2-2304768**](Docs\S2-2304768.zip) | LS OUT | Approval | [DRAFT] LS on Support of NSWO for 3GPP UE behind 5G-RG | Huawei, Hisilicon | Rel-18 | LS out not in quota |  |  |
| 9.20.2 | [**S2-2304263**](Docs\S2-2304263.zip) | CR | Approval | 23.316 CR2087 (Rel-18, 'B'): New feature for 5G-RG to support NSWO procedure to authorize UE behind RG  In order to support NSWO (as defined in clause 5.42 of TS 23.501 [2]) for 3GPP UE, 5G-RG shall support using NSWO procedure for authorizing UEs behind it. | China Telecom | Rel-18 |  |  | .316 baseline NSWO |
| 9.20.2 | [**S2-2304767**](Docs\S2-2304767.zip) | CR | Approval | 23.316 CR2096 (Rel-18, 'B'): Support of NSWO for 3GPP UE behind 5G-RG 4.X.1 Support of NSWO for 3GPP UE behind a 5G-RG In order to support NSWO defined in clause 5.42 of TS 23.501 [2] for 3GPP UE, 5G-RG shall support the SWa' interface to NSWOF playing the role of WLAN Access, as shown in figure 4.x.1-1 and figure 4.X.1-2. The W-AGF may act as a 3GPP AAA proxy between the 5G-RG and the NSWOF | Huawei, HiSilicon | Rel-18 |  |  | Merged in 4263 |
| 9.20.2 | [**S2-2304116**](Docs\S2-2304116.zip) | CR | Approval | 23.316 CR2085 (Rel-18, 'B'): Differentiation for UEs behind 5G-RG  In addition to the requirements described in TS 23.501 [2], the Ta reference point should be able to carry the TNAP ID to the TNGF.  NOTE X: Support for QoS differentiation can be achieved in a similar way as it is handled when a UE connects to a PLMN via SNPN (clause 5.30.2.7 and clause D.7 of TS 23.501[2]). Also differentiated charging, both in the RG's PLMN and in the UE's PLMN, can be achieved based on existing mechanisms. This is further described in Annex X.  Annex X (informative): Support for differentiated charging and QoS for UEs behind 5G-RG | Ericsson | Rel-18 |  |  | .316 baseline for DSCP (remove TNAP Id part) |
| 9.20.2 | [**S2-2305267**](Docs\S2-2305267.zip) | CR | Approval | 23.316 CR2100 (Rel-18, 'B'): Differentiated services for UE devices behind 5G-RG and FN-RG | Intel | Rel-18 |  |  | Merged in 4116 |
| 9.20.2 | [**S2-2305099**](Docs\S2-2305099.zip) | CR | Approval | 23.316 CR2097 (Rel-18, 'B'): 5G-RG ID provided in Trusted Non-3GPP access procedure  The 5G-RG acting as a TNAP shall provides its 5G-RG ID. | Huawei, HiSilicon | Rel-18 |  |  | .316 baseline TNAP ID |
| 9.20.2 | [**S2-2304119**](Docs\S2-2304119.zip) | CR | Approval | 23.316 CR2086 (Rel-18, 'B'): Support for AF influence on TNAP ID 4.10.X AF-based service parameter provisioning for TNAP ID | Ericsson | Rel-18 |  |  | Merged in 5099 |
| 9.20.2 | [**S2-2304118**](Docs\S2-2304118.zip) | CR | Approval | 23.502 CR3967 (Rel-18, 'B'): Support for AF influence on TNAP ID  *Comment: The assumption is that the support for TNAP ID exposure would be described in 23.316 and be specific to TNAP colocated with 5G-RG, i.e. making it limited to 5WWC use cases (inline with study scope). Alternatively, we could capture it completely in 23.502 for general TNAP, and not limited to TNAP collocated with 5G-RG.* | Ericsson | Rel-18 |  |  | . 502 merged in 4500 |
| 9.20.2 | [**S2-2304500**](Docs\S2-2304500.zip) | CR | Approval | 23.502 CR4022 (Rel-18, 'B'): 5G-RG ID provided in Trusted Non-3GPP access procedure  . In the case of 5G-RG acts as a TNAP, the 5G-RG ID should be provided by the TNGF to AMF, and the AMF provides 5G-RG ID to the PCF of the UE as ULI carried via SMF. | Huawei, HiSilicon | Rel-18 |  |  | .502 baseline= 4500 |
| 9.20.2 | [**S2-2304499**](Docs\S2-2304499.zip) | CR | Approval | 23.503 CR0976 (Rel-18, 'B'): Update on policy control subscription data in UDR | Huawei, HiSilicon | Rel-18 |  |  | .Merged in 4117 |
| 9.20.2 | [**S2-2304117**](Docs\S2-2304117.zip) | CR | Approval | 23.503 CR0951 (Rel-18, 'B'): Location based policies for trusted non-3GPP access  A new field, subscribed 5G-RG is added to the UE’s policy control subscription data. | Ericsson | Rel-18 |  |  | .503 baseline= one of 4117 |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / KI1 AUN3 |  |  | Docs:= 1 | (2 merged) |  |
| 9.20.2 | [**S2-2304468**](Docs\S2-2304468.zip) | CR | Approval | 23.316 CR2089 (Rel-18, 'B'): Providing differentiated service for authenticable non-3GPP (AUN3) devices connected behind a 5G-RG | Nokia, Nokia Shanghai-Bell | Rel-18 |  |  | Merged in 4480 |
| 9.20.2 | [**S2-2304480**](Docs\S2-2304480.zip) | CR | Approval | 23.316 CR2091 (Rel-18, 'B'): Support of AUN3 device | Huawei, HiSilicon | Rel-18 |  |  | Baseline for AUN3 |
| 9.20.2 | [**S2-2304743**](Docs\S2-2304743.zip) | CR | Approval | 23.316 CR2093 (Rel-18, 'B'): Providing differentiated service for authenticable non-3GPP (AUN3) devices connected behind a 5G-RG and FN-RG | CableLabs, [Nokia, Nokia Shanghai-Bell], Broadcom, Charter(?), Comcast(?), Rogers(?), Meta(?), Intel(?) | Rel-18 |  |  | Merged in 4480 |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / KI1 AUN3+NAUN3 |  |  | Docs:2 |  |  |
| 9.20.2 | [**S2-2304473**](Docs\S2-2304473.zip) | CR | Approval | 23.316 CR2090 (Rel-18, 'B'): Definition of AUN3 and NAUN3 devices | Nokia, Nokia Shanghai-Bell | Rel-18 |  |  | Merged in 5205 |
| 9.20.2 | [**S2-2304770**](Docs\S2-2304770.zip) | DISCUSSION | Agreement | N3GPP device definitions | Huawei, Hisilicon | Rel-18 |  |  | discussion |
| 9.20.2 | [**S2-2305205**](Docs\S2-2305205.zip) | CR | Approval | 23.316 CR2098 (Rel-18, 'B'): Non-3GPP Device Category Definitions | CableLabs | Rel-18 |  |  | Baseline for definition= 5205 |
| 9.20.2 | [**S2-2304771**](Docs\S2-2304771.zip) | CR | Approval | 23.501 CR4403 (Rel-18, 'B'): N3GPP device definitions | Huawei, Hisilicon | Rel-18 | CR Cover sheet error! |  | Merged in 5205 |
| 9.20.2 | [**S2-2304769**](Docs\S2-2304769.zip) | DISCUSSION | Information | Is URSP improvement for 5G-RG required? | Huawei, Hisilicon | Rel-18 |  |  | discussion |
| 9.20.2 | [**S2-2304469**](Docs\S2-2304469.zip) | CR | Approval | 23.503 CR0973 (Rel-18, 'B'): URSP for authenticable and non- authenticable non-3GPP (AUN3/NAUN3) devices connected behind a 5G-RG | Nokia, Nokia Shanghai-Bell | Rel-18 | Confirm CR Number - CR states {{No CR number}}! |  | Baseline for potential URSP |
| 9.20.2 | [**S2-2304540**](Docs\S2-2304540.zip) | CR | Approval | 23.503 CR0982 (Rel-18, 'C'): URSP handling for NAUN3 devices behind the 5G-RG | Qualcomm | Rel-18 |  |  | Merged in 4469 |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / KI1 generic |  |  | Docs:=1 |  |  |
| 9.20.2 | [**S2-2304089**](Docs\S2-2304089.zip) | CR | Approval | 23.316 CR2082 (Rel-18, 'B'): Introducing non-3GPP QoS assistance information | Qualcomm, Nokia, Nokia Shanghai Bell | Rel-18 |  |  | baseline |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / NAUN3 |  |  | Docs:= 1 |  |  |
| 9.20.2 | [**S2-2304115**](Docs\S2-2304115.zip) | CR | Approval | 23.316 CR2084 (Rel-18, 'B'): Differentiation for NAUN3 devices behind 5G-RG | Ericsson | Rel-18 |  |  | Merged in 5266 |
| 9.20.2 | [**S2-2304467**](Docs\S2-2304467.zip) | CR | Approval | 23.316 CR2088 (Rel-18, 'B'): Providing differentiated service for Non authenticable (NAUN3) devices connected behind a 5G RG | Nokia, Nokia Shanghai-Bell | Rel-18 |  |  | Merged in 5266 |
| 9.20.2 | [**S2-2305266**](Docs\S2-2305266.zip) | CR | Approval | 23.316 CR2099 (Rel-18, 'B'): Differentiated service for NAUN3 devices connected behind a 5G-RG | Intel | Rel-18 |  |  | Baseline for NAUN3 |
| 9.20.2 | - | - | - | Support for 5WWC Phase 3 (5WWC\_Ph2) / KI2 |  |  | Docs:= 3 |  | KI2 |
| 9.20.2 | [**S2-2304481**](Docs\S2-2304481.zip) | CR | Approval | 23.501 CR4323 (Rel-18, 'F'): Clarification on slice-based N3IWF/TNGF selection | Huawei, HiSilicon | Rel-18 |  | During the registration procedure, if the UE supports slice-based TNGF selection, the AMF may determine if the TNGF selected by the UE is suitable for the S-NSSAI(s) requested by the UE considering the UE subscription. If the AMF determines that a different TNGF should be selected, the AMF: | Merged in 4590 |
| 9.20.2 | [**S2-2304590**](Docs\S2-2304590.zip) | CR | Approval | 23.501 CR4351 (Rel-18, 'F'): Clarification on N3IWF/TNGF selection to support of S-NSSAI needed by UE | LG Electronics | Rel-18 |  | when the AMF is informed by the PCF that the update of UE policy information on the UE is completed as described in clause 4.12.2.2.2 of TS 23.502 [3], the AMF releases UE Policy Association before proceeding to the Registration Reject if the UE is not registered over 3GPP access;  same clause as 4481 | Baseline KI2 .501 N3IWF/TNGF selection |
| 9.20.2 | [**S2-2304472**](Docs\S2-2304472.zip) | CR | Approval | 23.501 CR4321 (Rel-18, 'B'): Clarification on TNGF identifiers | Nokia, Nokia Shanghai Bell | Rel-18 |  |  | Merged in 4590 |
| 9.20.2 | [**S2-2304120**](Docs\S2-2304120.zip) | CR | Approval | 23.502 CR3968 (Rel-18, 'B'): Delivery of N3IWF and TNGF selection policies to UE | Ericsson | Rel-18 |  | §4.12.2.2 + 4.12a.2.2  15; If the UE Registration Request contains an indication that the UE supports N3IWF selection based on the slices the UE wishes to use over untrusted non-3GPP access and AMF is able to select a UE PCF that supports slice specific N3IWF UE policies, the AMF may trigger UE policy association establishment with the UE PCF to update the N3IWF selection related policies on the UE (contained in ANDSP). The AMF informs the PCF that the UE policy association is triggered in order to update N3IWF selection related policies and also includes the subset of the requested NSSAI that is allowed by the subscribed S-NSSAI(s) that was determined in step 12. | Merged in 4470 |
| 9.20.2 | [**S2-2304470**](Docs\S2-2304470.zip) | CR | Approval | 23.502 CR4015 (Rel-18, 'B'): AMF/PCF interactions to support TNGF/N3IWF selection enhancement for support of S-NSSAI needed by UE | Nokia, Nokia Shanghai Bell | Rel-18 |  | 4.12.2.2, 4.12a.2.2, 5.2.5.6.2, 5.2.5.6.3 | Baseline .502 KI2 |
| 9.20.2 | [**S2-2304498**](Docs\S2-2304498.zip) | CR | Approval | 23.502 CR4021 (Rel-18, 'B'): Clarification on Registration procedure over Non-3GPP access | Huawei, HiSilicon | Rel-18 |  | 12 The AMF determines the subset of the requested NSSAI that is allowed by the subscribed S-NSSAI(s); if the registration request contains an indication that the UE supports N3IWF selection based on the slices the UE wishes to use over untrusted non-3GPP access, the AMF may detect that the N3IWF used by the UE is not compatible with this subset and then proceed with steps 15-19. Otherwise, i.e. if the N3IWF supports the subset of the requested NSSAI that is allowed by the subscribed S-NSSAI(s), the AMF proceeds with step 13 and 14 and steps 15-19 are skipped. | Merged in 4470 |
| 9.20.2 | [**S2-2304591**](Docs\S2-2304591.zip) | CR | Approval | 23.502 CR4032 (Rel-18, 'F'): Clarification on N3IWF/TNGF selection to support of S-NSSAI needed by UE | LG Electronics | Rel-18 |  | 4.12.2.2, 4.12a.2.2  NOTE X: If the AMF detects that the UE keeps registering by using the same N3IWF multiple times based on the AMF implementation, the AMF can accept UE registration and allow to use S-NSSAIs supported by the selected N3IWF instead of rejecting the UE registration.  15. .NOTE Y: Whether the PCF updates whole ANDSP or only updates N3IWF selection information is up to PCF decision considering allocated PSI and operator policy.  16. The PCF updates the UE policy per procedure in figure 4.2.4.3-1. When the UE policy update is terminated, the PCF notifies the AMF. | Merged in 4470 |
| 9.20.2 | [**S2-2305272**](Docs\S2-2305272.zip) | CR | Approval | 23.502 CR4139 (Rel-18, 'B'): Update to 4.12.2.2 to resolve ENs and issue of target N3IWF determination | China Telecommunications | Rel-18 | CR Cover sheet error! | The UE may include the last visited TAI in registration request in order to help the AMF to determine the target N3IWF as described in step 17, e.g. the TAI used for N3IWF selection if at step 1 the UE selects the N3IWF based on Tracking/Location Area.  The PCF updates the UE policy per procedure in figure 4.2.4.3-1 then sends a notification of ANDSP update completion to AMF. If the PCF dose not update the ANDSP, e.g. error in ANDSP update or the ANDSP in UE is the latest, the PCF sends an notification of ANDSP update not completion to AMF.  17. If the AMF receives a notification of ANDSP update completion, the AMF sends via the N3IWF a UE Registration Reject indicating that the UE selected N3IWF was not appropriate for the requested slices that the UE is allowed to access to. The AMF optionally may provide target N3IWF information (FQDN and/or IP address) to the UE within the Registration Reject message.  If the AMF receives a notification of ANDSP update not completion, the AMF provides target N3IWF information (FQDN and/or IP address) to the UE within the Registration Reject message, or the AMF continues the Registration Accept procedures by accepting the slices which are supported by the N3IWF and within the subset of the requested NSSAI determined in step 12. | Merged in 4470 |
| 9.20.2 | [**S2-2305274**](Docs\S2-2305274.zip) | CR | Approval | 23.502 CR4140 (Rel-18, 'B'): Update to 4.12a.2.2 to resolve EN and issue of target TNAN determination | China Telecom | Rel-18 |  | id | Merged in 4470 |
| 9.20.2 | [**S2-2304471**](Docs\S2-2304471.zip) | CR | Approval | 23.503 CR0974 (Rel-18, 'B'): AMF/PCF Policy Control Trigger for TNGF/N3IWF selection enhancement based on support of S-NSSAI needed by UE | Nokia, Nokia Shanghai-Bell | Rel-18 |  |  | Baseline .503 KI2 |

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