**3GPP TSG-WG SA2 Meeting #137E e-meeting  *S2-2002173***

**Elbonia, February 24 – 27, 2020 (revision of S2-200xxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.502** | **CR** | **2138** | **rev** | **-** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Routing binding indication correction | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_eSBA | | | | |  | ***Date:*** | | | 2020-02-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) Rel-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The case where an URI has been received from the service producer in a previous service operation has not been considered. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | When the NF Service Consumer needs to send a Service Request and has obtained an endpoint address for the appropriate resources of that service from the NF service consumer in the reply to a previous service operation, the NF Service Consumer should indicate that endpoint address as target for the Service Request unless it becomes aware that the endpoint address is not reachable. The related message for indirect communication is still routed via SCP | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The case where an URI has been received from the service producer in a previous service operation has not been considered and unclear how the subsequent message is routed. | | | | | | | | |
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| ***Clauses affected:*** | | 4.17.1, 5.2.7.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

### 4.17.11 Indirect Communication without delegated discovery Procedure

This clause provides the call flow for indirect communication model without delegated discovery.



Figure 4.17.11-1: Procedure for Indirect Communication without delegated discovery

The NF/NF service discovery procedure is defined in clauses 4.17.4 and 4.17.5. In a successful discovery the NF service consumer gets the NF profile(s) matching the search criteria provided in the Nnrf\_NFDiscovery\_Request message.

1. When the NF Service Consumer needs to send a Service Request and has obtained an endpoint address for the appropriate resources of that service from the NF service consumer in the reply to a previous service operation, the NF Service Consumer should indicate that endpoint address as target for the Service Request unless it becomes aware that the endpoint address is not reachable. Otherwise, if the NF Service Consumer has stored results from the Discovery Procedure, the NF Service Consumer selects an appropriate NF Producer / NF Service Producer instance from the list of NF profiles provided by the NRF. The NF Service Consumer considers the NF and NF service parameters (e.g. TAI, S-NSSAI, locality, priority etc) in the NF profiles. The NF Service consumer requests service from the NF Service producer by sending a service request message to the NF service producer via the SCP and the NF Service Consumer may provide a binding indication.

2. If the binding indication is provided by the NF Service Consumer, SCP (re-)selects as specified in Table 6.3.1.0‑1 of TS 23.501 [2] and routes the service requet to target accordingly. If the binding indication is not provided by the NF Service Consumer, then the SCP routes the service request based on routing information available.

3. The NF Service Producer responds via SCP.

4. SCP forwards the response.

\* \* \* \* End of changes \* \* \* \*