**SA WG2 Meeting #148E *S2-2108675r07***

 **Nov 15 - 22, 2021, Electronic**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  **23.548** | **CR** | 0042 | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  |
| *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:***  | Local NEF selection |
|  |  |
| ***Source to WG:*** | China Mobile |
| ***Source to TSG:*** | SA WG2 |
|  |  |
| ***Work item code:*** | eEDGE\_5GC |  | ***Date:*** | 2021-11- 8 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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 canbe 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | Clarify how the NEF can discover a local NEF if the AF request for local QoS monitoring exposure. |
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| ***Summary of change:*** | Clarify how the NEF can discover a local NEF if the AF request for local QoS monitoring exposure |
|  |  |
| ***Consequences if not approved:*** | It is not clear how AF can find the local NEF to get result of local QoS monitoring. |
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| ***Clauses affected:*** | 6.4.2.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* Start of Change 1 \* \* \*

#### 6.4.2.2 Local NEF Discovery

As specified in TS 23.501 [2] clause 6.2.5.0, the NRF may be used by the AF to discover the L-NEF. To become discoverable, the L-NEF registers with an NRF deployed within the operator's domain where the AF resides.

The AF uses existing procedures as described in TS 23.502 [3], clause 4.17.4 to discover the L-NEF. If the AF only knows the NEF and it initiates a service operation for local QoS monitoring exposure towards this NEF, e.g. a Nnef\_AFSessionWithQoS\_Create/Update\_request procedure with an indication of local event notification as described in clause 6.4.2.1 and clause 6.1.3.21 of TS 23.503[4], the NEF may decide that itself is not suitable for local exposure, and re-direct the request to an L-NEF as described in TS 29.500 [9]. NEF may use NRF or by local configuration to find a suitable L-NEF for the re-direction.

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