3GPP TSG SA WG5 Meeting 137-e TDoc S5-213273

electronic meeting, online, 10 - 19 May 2021

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **-** | **Current version:** | **17.1.0** |  |
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| *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:***  | Introduction of CHF selection using NRF |
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| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | S5 |
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| ***Work item code:*** | 5GSIMSCH |  | ***Date:*** | 2021-04-30 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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:*** | Use of NRF is an important capability for CHF selection in the 5G system and can also benefit to IMS. |
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| ***Summary of change:*** | Introduce Use of NRF for CHF selection  |
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| ***Consequences if not approved:*** | Missing flexibility for CHF selection   |
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| ***Clauses affected:*** | 5.4.2 |
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|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

### 5.4.2 CHF and charging service selection

When use of Nchf interface is determined by the IMS Node, the CHF address(s) with possible associated CHF instance ID(s) and/or CHF set ID(s) can be selected from IMS signalling as per clause 5.1.1, using NRF or can be configured locally. The option depends on Operator's policy.

Each IMS Node of the IMS converged charging architecture is configured with "converged charging" method or "offline only charging" method, except the IMS-GWF for which only the "converged charging" method is valid. When configured with "offline only charging" method, the Nchf converged charging service is the default one to be used by the IMS Node, unless based on Operator policy the alternative Nchf offline only service has to be used.

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| **End of changes** |