**3GPP TSG-CT WG1 Meeting #136-eC1-223376**

**E-Meeting, 12th – 20th May 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.554** | **CR** |  | **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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Usage information reporting configuration in the UE |
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| ***Source to WG:*** | CATT |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | 5G\_ProSe |  | ***Date:*** | 2022-05-05 |
|  |  |  |  |  |
| ***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:*** | Usage information reporting configuration information in the UE needs to be specified, based on clause 5.1.2.3 and 5.1.2.4 of TS 32.277. |
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| ***Summary of change:*** | Add description of configuration parameters for 5G ProSe usage information reporting. |
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| ***Consequences if not approved:*** | 5G ProSe charging with usage information reporting configuration in the UE cannot be supported. |
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| ***Clauses affected:*** | 5.2.x (new) |
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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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* First Change \* \* \* \*

### 5.2.x Configuration parameters for 5G ProSe usage information reporting

The configuration parameters for 5G ProSe usage information reporting consist of:

a) a validity timer for the validity of the configuration parameters for 5G ProSe usage information reporting;

b) the address of 5G DDNMF CTF (ADF) to which the UE shall upload the usage information reports;

c) the collection period;

d) the reporting window;

e) for broadcast and groupcast mode 5G ProSe direct communication, whether or not the UE shall report the group parameters in the usage information;

f) for unicast mode 5G ProSe direct communication, whether or not the UE shall report the UE identity in the usage information;

g) whether or not the UE shall report the time stamps of the first transmission/reception during the collection period in the usage information;

h) whether or not the UE shall report the amount of data transmitted during the collection period in the usage information, and whether with location information;

i) whether or not the UE shall report the amount of data received during the collection period in the usage information, and whether with location information;

j) whether or not the UE shall report the time stamps when it went in and out of NG-RAN coverage during the collection period in the usage information;

k) whether or not the UE shall report the list of locations of the UE when in NG-RAN coverage during the reporting period in the usage information;

l) whether or not the UE shall report the radio parameters used for 5G ProSe direct communication (i.e. indicator of which radio resources used and radio frequency used) during the reporting period in the usage information; and

m) whether or not the UE shall report the QoS flow information (i.e. PC5 QoS flow identifier, PC5 QoS flow descriptions) during the reporting period in the usage information.

\* \* \* End of Changes \* \* \* \*