**3GPP TSG-CT WG1 Meeting #138-eC1-225861**

**E-Meeting, 10th – 14th October 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **0188** | **rev** |  | **Current version:** | **1** |  |
|  |
| *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 |  |

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|  |
| ***Title:***  | Add groupcast communication security related content |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** | 22 |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Per SA3 agreements on groupcast communication security related content (see TS 33.503):*6.5.2 Security requirements**There are no requirements for securing the groupcast mode 5G ProSe Direct Communication.* *The 5G System shall protect against linkability and trackability attacks on Layer-2 ID and IP address for groupcast mode.**6.5.3 Security procedures**There are no particular procedures defined for securing the groupcast mode 5G ProSe Direct Communication.* *The groupcast mode security mechanism to randomise the UE’s source Layer-2 ID and source IP address including IP prefix (if used), as defined in clause 5.5 of TS 33.536 [6], is reused in 5G ProSe to provide groupcast mode 5G ProSe Direct Communication security.* The above should be reflected in stage-3 spec as well. |
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| ***Summary of change:*** | Add the statement that how to change and randomise the UE’s source Layer-2 ID and source IP address including IP prefix (if used) is specified in clause 5.4 of 3GPP TS 33.536.**Backward compatibility analysis**This CR is backward compatible. This CR proposes the groupcast communication security related requirement. |
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| ***Consequences if not approved:*** | Missing stage-3 requirement on groupcast communication security. |
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| ***Clauses affected:*** | 7.4.2.4 |
|  |  |
|  | **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 \* \* \* \*

#### 7.4.2.4 Privacy of 5G ProSe direct transmission over PC5

The procedures described in clause 7.3.2.4 apply with the following additions:

a) using the privacy timer T5200 for groupcast; and

b) how to change and randomise the UE's source layer-2 ID and source IP address including IP prefix (if used) is specified in clause 5.4 of 3GPP TS 33.536 [37] with the consideration of replacing V2X with 5G ProSe.

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