**3GPP TSG-SA3 Meeting #103-e *S3-211647***

**e-meeting, 17th - 28th May 2021**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.220** | **CR** | **0209** | **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 |  |

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| ***Title:*** | FC Value Change because of KTIPSec and KTNAP Derivation in R17 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon, Samsung | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5WWC | | | | |  | ***Date:*** | | | 2021-05-10 |
|  |  | | | |  | |  | | |  |
| ***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 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:*** | | Since FC value 0x84 is assigned for derivation of KTIPSec and KTNAP, the Annex B shall be updated | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Used FC value shall be updated. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Specification is not align with other specification | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | Annex B.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

## B.2.2 FC value allocations

FC values shall only be assigned to a key derivation function by their allocated specification.

FC values in the range 0x00 – 0x0F are allocated for use in this specification.

FC values in the range 0x10 – 0x1F are allocated for use in TS 33.401 [35].

FC values in the range 0x20 – 0x2F are allocated for use in TS 33.402 [36].

FC values in the range 0x30 – 0x37 are allocated for use in TS 33.102 [2].

FC values in the range 0x38 – 0x3F are allocated for use in TS 43.020 [47].

FC values in the range 0x40 – 0x47 are allocated for use in TS 33.224 [39].

FC values in the range 0x48 – 0x4F are allocated for use in TS 33.303 [49].

FC values in the range 0x50 – 0x57 are allocated for use in TS 33.179 [50].

FC values in the range 0x50 – 0x57 are also allocated for use in TS 33.180 [54].

FC values in the range 0x58 – 0x5F are allocated for use in TS 33.203 [51].

FC values in the range 0x60 – 0x68 are allocated for use in TS 33.163 [52].

FC values in the ranges 0x69 – 0x79, 0x7B – 0x7D and 0x83-0x84 are allocated for use in TS 33. 501 [53].

FC value 0x7A is allocated for use in TS 33.122 [55].

FC values in the range 0x7E – 0x7F are allocated for use in TS 33.536 [56].

FC values in the range 0x80 – 0x82 are allocated for use in TS 33.535 [58].

FC values in the range 0x85 – 0xDF are reserved for future use in 3GPP specifications.

FC values in the range 0xE0 – 0xEF are reserved for uses of the KDF by other standardization organisations where the FC value for such use is registered in the present specification.

FC values in the range 0xF0 – 0xFE are reserved for proprietary uses of the KDF where the FC value for the such use is not registered with 3GPP.

FC values of the form 0xFF || FC2 are reserved for future use in 3GPP specifications.

NOTE 1: Registering an FC value with 3GPP for use by other standardization organisations means that only the FC value is recorded in the present specification, but the full specification of the key derivation is done elsewhere. This has the advantage that clashes in FC values in different uses by other standardization organisations can be avoided. On the other hand, not registering an FC value with 3GPP for proprietary use means that 3GPP may have no knowledge of this use at all.

NOTE 2: Ranges of FC values for use by other standardization organisations or for proprietary use could be extended in the future if such a need was indicated to 3GPP.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of 1st Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*