**3GPP TSG- Meeting #*****s3i230591***

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***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)* |
|  |  |
| ***Reason for change:*** | The currently defined format for the SUCI is based on a format that was deprecated in TS 23.003 version 15.5.0. The current format for SUCI cannot report SUCIs based on SUPIs in the form of an NAI. |
|  |  |
| ***Summary of change:*** | The following changes were made to the format of the SUCI defined in the ASN.1:- Addition of a conditional SUPI type field, with the assumption being that if it is absent, the supi type is zero- Addition of a conditional Home Network Identifier field, which may be omitted if supi type is zero and the MCC/MNC fields populated instead. - Explain that if the supi type is not zero, the MCC/MNC can be populated with any value and ignored by the LEMF. |
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| ***Consequences if not approved:*** | The SUCI will not be able to be reported if the SUCI was generated based on a SUPI in the form of an NAI. |
|  |  |
| ***Clauses affected:*** | Attachment TS33128Payloads.asn |
|  |  |
|  | **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 is associated with the following changes in the Forge:Merge request: [!225](https://forge.3gpp.org/rep/sa3/li/-/merge_requests/225) Commit hash: [86b9755e1e866d34307af3836f27d1c76b0b2909](https://forge.3gpp.org/rep/sa3/li/-/merge_requests/225/diffs?commit_id=86b9755e1e866d34307af3836f27d1c76b0b2909) CRs 593, 594, and 595 are mirrors of this CR. |
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| ***This CR's revision history:*** | s3i230568 |

## \*\*\*\* START OF FIRST CHANGE (ATTACHMENTS) \*\*\*\*

---a/33128/r15/TS33128Payloads.asn
+++b/33128/r15/TS33128Payloads.asn

@@ -665,6 +665,8 @@ GUMMEI ::= SEQUENCE

665 665 mNC [3] MNC

666 666 }

667 667

 668 + HomeNetworkIdentifier ::= UTF8String

 669 +

668 670 HomeNetworkPublicKeyID ::= OCTET STRING

669 671

670 672 HSMFURI ::= UTF8String

@@ -790,9 +792,11 @@ SUCI ::= SEQUENCE

790 792 protectionSchemeID [4] ProtectionSchemeID,

791 793 homeNetworkPublicKeyID [5] HomeNetworkPublicKeyID,

792 794 schemeOutput [6] SchemeOutput,

793 - routingIndicatorLength [7] INTEGER (1..4) OPTIONAL

 795 + routingIndicatorLength [7] INTEGER (1..4) OPTIONAL,

794 796 -- shall be included if different from the number of meaningful digits given

795 797 -- in routingIndicator

 798 + sUPIType [8] SUPIType OPTIONAL,

 799 + homeNetworkIdentifier [9] HomeNetworkIdentifier OPTIONAL

796 800 }

797 801

798 802 SUPI ::= CHOICE

@@ -801,6 +805,8 @@ SUPI ::= CHOICE

801 805 nAI [2] NAI

802 806 }

803 807

 808 + SUPIType ::= INTEGER (1..7)

 809 +

804 810 SUPIUnauthenticatedIndication ::= BOOLEAN

805 811

806 812 TargetIdentifier ::= CHOICE

## \*\*\*\* END OF ALL CHANGES \*\*\*\*