**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:*** |  | | | | | | | | | |
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| ***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 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-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. | | | | | | | | |
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| ***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. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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. | | | | | | | | |
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| ***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. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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 \*\*\*\*