**3GPP TSG-SA3 Meeting #108e *S3-221796r1***

**e-meeting, 22 - 26 August 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.874** | **CR** | 0001 | **rev** |  | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Clean-up of TR33.874 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | FS\_eNS2\_Sec | | | | |  | ***Date:*** | | | 2022-08-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Cleaning up the TR | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 3.1 Terms: terms added  3.3 Abbreviations: one added  4.1 Key issue #1: typo corrected  6.2 Conclusions for KI#2: text added for sub-topic1 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The TR is incomplete | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 16.6.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 first changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## 3.1 Terms

For the purposes of the present document, the terms given in TR 21.905 [1] and the following apply.

The following definitions are adopted from TS 23.501 [2] and TS 33.501 [7]:

Early Admission Control (EAC)

External Network Slice Information (ENSI)

Network Slice Admission Control (NSAC)

Network Slice Admission Control Function (NSACF)

Network Slice Selection Assistance Information (NSSAI)

Service Based Interface (SBI)

Single Network Slice Selection Assistance Information (S-NSSAI)

Slice Differentiator (SD)

Slice/Service Type (SST)

## 

## 3.2 Symbols

Void

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

DoS Denial of Service

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of second changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## 4.1 Key Issue #1: privacy issue on broadcasting slice information

### 4.1.1 Key issue details

A gNB may support multiple and different network slices, and on different frequencies in different regions.

In TR 38.832 [6], in order to support fast cell selection and cell reselection for particular network slices, solutions based on broadcasting slice related information are being studied. The broadcast slice related cell info may contain e.g. NSSAI, SST, slice grouping or slice associated information. In this key issue, the following questions are to be addressed:

- Whether broadcasting slice related information in this scenario will cause any privacy issue

- If yes, mitigation solutions need to be provided

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of Second changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of third changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## 6.2 Conclusions for KI#2

For the usage based NSAC issue under KI#2, it is concluded that no normative work is recommended ~~in Rel-17~~.

For the EAC issue under KI#2, it is concluded that no solution is required for the normative text. The following NOTE is recommended to be added for the EAC mode in the relevant specifications:

NOTE1: The operator can set the thresholds for the EAC mode activation/de-activation accordingly in order to mitigate potential risk due to a potential burst of registration requests requesting the same slice.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of third changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*