**3GPP TSG-SA3 Meeting #99e *S3-201053-r2***

**e-meeting, 11 -15 May 2020**

|  |
| --- |
| *CR-Form-v12.0* |
| **DRAFT CHANGE REQUEST** |
|  |
|  |  | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | B |  | ***Release:*** | Rel-16 |
|  | *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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | GBA related services are still specificied as reference point interfaces. The integration of GBA to 5GC requires these interfaces to be specified in SBA form.  |
|  |  |
| ***Summary of change:*** | GBA service interfaces are specified as an Annex to the 33.220. Currently the following interactions are specified with reference point interfaces:- BSF requests the authentication vectors from the HSS for the bootstrapping procedure. Therefore similar interfaces to the HSS need to be specified. - NAF performs an authentication request to the BSF in order to authenticate the UE for the purpose of GBA and get the derived application key, lifetime etc.- The network functions offering these new services (HSSand BSF) need to register to the NRF so that they are discoverable by any relevant network function. The contribution includes a skeleton for the Annex in TS 33.220 for the introduction of SBA interfaces of GBA.  |
|  |  |
| ***Consequences if not approved:*** | There are no SBA interfaces for GBA in 5GC.  |
|  |  |
| ***Clauses affected:*** | Annex X (new) |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  |  |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

**\*\*\*\*** START OF CHANGES **\*\*\*\***

# Annex X (normative): Support of SBA in GBA

## X.1 General

Editor’s Note: More details to be specified.

### X.1.0 Overview

### X.1.1 Architectural Support

### X.1.2 Reference point to support SBA in GBA

### X.1.3 Service based interface to support SBA in GBA

## X.2 GAA/GBA SBA Services

Editor’s Note: More details to be specified.

Editor’s Note: For 5G, we only have the AUSF, UDM. Who will play the role of HSS is FFS.

Editor’s Note: Whether GBA AKA is still application in 5G-GBA is FFS.

#### X.2.1 HSS ServicesX.2.1.1 General

### X.2.2 BSF Services

X.2.2.1 General

## X.X SBI Capable NF Discovery and Selection

Editor's Note: The NF and detailed contents to be specified.

**\*\*\*\*** END OF CHANGES **\*\*\*\***