**3GPP TSG-SA3 Meeting #110Ad-Hoc-e *S3-23xxxx***

**Electronic meeting, Online, 17 - 21 April 2023**

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| *CR-Form-v12.1* | | | | | | | | |
| **Draft CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.310** | **CR** | **draft-CR** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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| ***Title:*** | Skeleton for Automated Certificate Management in SBA (informative annex) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ACM\_SBA | | | | |  | ***Date:*** | | | 2023-04-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)* | |
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| ***Reason for change:*** | |  | | | | | | | | |
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| ***Summary of change:*** | | Skeleton for how the work on Automated Certificate Management study can be implemented in TS 33.310. This draft CR is intended to compile a list of recommendations supporting the automated certificate management simply as a reference and/or good practices for implementations. | | | | | | | | |
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| ***Consequences if not approved:*** | |  | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 CHANGES \*\*\**

Annex I (Informative): Guidance in the certificates management procedures left to implementation

# I.1 Introduction

Editor's Note: This clause introduces the new informative annex dedicated to procedures that do not require normative text, but they are rather recommendations in the implementation of the certificate management framework. The list of contents to be included in this annex is not closed yet, so the current outline can be extended with new clauses.

# I.2 NF Certificate Updates

Editor's Note: This clause describes some approaches to be considered in the NF certificate updates in special circumstances (e.g., outages, simultaneous update of a vast number of certificates, etc.)

# I.3 Trust Chain in the SBA architecture

Editor's Note: This clause describes the certificate verification in terms of the chain of trust in the SBA architecture.

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