**3GPP TSG-CT WG4 Meeting #111-eC4-224424**

**E-Meeting, 18th – 26th August 2022** *Revision of C4-224387*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.518** | **CR** | **0788** | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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:*** | Correction to ContextCreateReqData | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS | | | | |  | ***Date:*** | | | 2022-08-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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) lRel-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:*** | | Step 2 in clause 7.3.1 of TS 23.247 specifies the following, quote:  The MB-SMF may use NRF to discover the AMF(s) supporting MBS based on the MBS service area and select the appropriate one(s). Then the MB-SMF sends the Namf\_MBSBroadcast\_ContextCreate (TMGI, N2 SM information ([LL SSM], 5G QoS Profile), MBS service area, [MBS FSA ID(s)]) messages to the selected AMF(s) in parallel if the service type is broadcast service. The MB-SMF may include a maximum response time in the request.  If the message would contain the MB-SMF instance ID, the AMF could subscribe to MB-SMF status notifications. If later on MB-SMF fails, the AMF would be alerted and therefore the AMF could release the MBS session context in a timely manner. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New attributes 'mbsmfId' and 'mbsmfServiceSetId' are added to 'ContextCreateReqData'. Also, editorials are applied to Table 6.5.6.2.2-1 (French is changed to UK English and extra period is replaced with a whitespace character. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | In the MB-SMF failure cases, the AMF will not be aware of this and therefore will continue keeping useless MBS session contexts. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.5.6.2.2 A.6. | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 contribution introduces backwards compatible corrections to the Namf\_MBSBroadcast API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1: To be filled | | | | | | | | |

\* \* \* First Change \* \* \* \*

6.5.6.2.2 Type: ContextCreateReqData

**Table 6.5.6.2.2-1: Definition of type ContextCreateReqData**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** |
| mbsSessionId | MbsSessionId | M | 1 | MBS Session ID |
| mbsServiceArea | MbsServiceArea | C | 1 | MBS Service Area  This IE shall be present if this is a Local broadcast MBS session.  (NOTE 1) |
| mbsServiceAreaInfoList | array(MbsServiceAreaInfo) | C | 1..N | List of MBS service areas and their related Area Session IDs.  This IE shall be present if this is a Location dependent broadcast MBS service.  (NOTE 1) |
| n2MbsSmInfo | N2MbsSmInfo | M | 1 | This IE shall be present and shall contain N2 MBS Session Management related information (see clause 6.5.6.4). |
| notifyUri | Uri | M | 1 | This IE shall contain the notification URI where to be notified about the status change of the broadcast MBS session context. |
| maxResponseTime | DurationSec | O | 0..1 | Maximum response time (in seconds) to receive information about the completion of the Broadcast MBS session establishment. |
| snssai | Snssai | M | 1 | This IE shall be included to indicate the S-NSSAI of the MBS session. (NOTE 2). |
| mbsmfId | NfInstanceId | O | 0..1 | This IE may be present to contain the NF Instance ID of the MB-SMF. |
| mbsmfServiceSetId | NfServiceSetId | O | 0..1 | This IE may be present to contain the NF Service Set ID of the MB-SMF. |
| NOTE 1: Either the mbsServiceAreaInfoList IE or the mbsServiceArea IE shall be present.  NOTE 2: If an MB-SMF does not receive the S-NSSAI from the NEF/MBSF, the MB-SMF shall include a pre-configured default SNSSAI. | | | | |

\* \* \* 2nd Change \* \* \* \*

# A.6 Namf\_MBSBroadcast API

openapi: 3.0.0

info:

version: 1.0.0

title: Namf\_MBSBroadcast

description: |

AMF MBSBroadcast Service.

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## Skipped for clarity ##

#

# STRUCTURED DATA TYPES

#

ContextCreateReqData:

description: Data within ContextCreate Request

type: object

properties:

mbsSessionId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSessionId'

mbsServiceAreaInfoList:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsServiceAreaInfo'

minItems: 1

mbsServiceArea:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsServiceArea'

n2MbsSmInfo:

$ref: '#/components/schemas/N2MbsSmInfo'

notifyUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

maxResponseTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

snssai:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

mbsmfId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

mbsmfServiceSetId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/NfServiceSetId'

required:

- mbsSessionId

- n2MbsSmInfo

- notifyUri

- snssai

oneOf:

- required: [ mbsServiceArea ]

- required: [ mbsServiceAreaInfoList ]

## Skipped for clarity ##

\* \* \* End of Changes \* \* \* \*