**3GPP TSG-CT WG1 Meeting #134-eC1-221794**

**E-Meeting, 17th – 25th February 2022**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.275** | **CR** | **0003** | **rev** | **1** | **Current version:** | **16.0.0** |  |
|  |
| *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 | **x** | Radio Access Network |  | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | SNPN configuration of MMTel basic communication |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | eNPN |  | ***Date:*** | 2022-02-22 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | The MMTel MO needs to be extended to accommodate SNPN configuration |
|  |  |
| ***Summary of change:*** | Added SNPN configuration in the MO. Modified figures and DDF accordingly. |
|  |  |
| ***Consequences if not approved:*** | Configuration per SNPN is not supported. |
|  |  |
| ***Clauses affected:*** | 2, 3.2, 4, 5.x1 (new), 5.x2 (new), 5.x3 (new), 5.x4 (new), 5.x5 (new), 5.x6 (new), 5.x7 (new), 5.x8 (new), 5.x9 (new), Annex A. |
|  |  |
|  | **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:*** | Rev1: Removed a bullet in 5.x.2Restored the meeting header an tdoc number |

**\*\*\*\*\*\*\***

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

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] OMA-ERELD-DM-V1\_2-20070209-A: "Enabler Release Definition for OMA Device Management, Version 1.2".

[3] 3GPP TS 24.173: " IMS multimedia telephony communication service and supplementary services".

[4] 3GPP TS 22.011: "Service accessibility".

[5] 3GPP TS 23.122: "Non-Access-Stratum functions related to Mobile Station (MS) in idle mode".

[6] 3GPP TS 23.003: "Numbering, addressing and identification".

\* \* \* Next Change \* \* \* \*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP 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 3GPP TR 21.905 [1].

BCP Basic Communication Part

DDF Device Description Framework

DM Device Management

MO Management Object

OMA Open Mobile Alliance

SNPN Stand-alone Non-Public Network

UE User Equipment

\* \* \* Next Change \* \* \* \*

# 4 MO for BCP of MMTEL communication service

The MO for BCP of MMTEL communication service is used to manage settings of the UE, which supports a RequestTimeout timer. The timer RequestTimeout is configurable as specified in 3GPP TS 24.173 [3].

The MO identifier is: urn:oma:mo:ext-3gpp-bcp:1.0.

Protocol compatibility: This MO is compatible with OMA DM 1.2.



Figure 4-1: MO for BCP of MMTEL communication service

\* \* \* Next Change \* \* \* \*

## 5.x1 /*<X>*/SNPN\_Configuration

This interior node contains configuration parameters regarding a UE operating in SNPN access operation mode.

- Occurrence: ZeroOrOne

- Format: node

- Access Types: Get, Replace

- Values: N/A

\* \* \* Next Change \* \* \* \*

## 5.x2 /*<X>*/SNPN\_Configuration/<X>

This interior node acts as a placeholder for a list of:

a) SNPN identity; and

b) configuration parameters.

NOTE: For each of the elements in the list, a) must be present and at least one parameter of b) needs to appear.

A configuration parameter in an /<X>/SNPN\_Configuration/<X> node other than the SNPN\_identifier, is applicable when the UE selects an entry of "list of subscriber data" with the SNPN identity of the subscribed SNPN which is the same as the SNPN identity in the SNPN\_identifier leaf.

- Occurrence: OneOrMore

- Format: node

- Access Types: Get, Replace

- Values: N/A

\* \* \* Next Change \* \* \* \*

## 5.x3 /*<X>*/SNPN\_Configuration/<X>/SNPN\_identifier

This leaf indicates the SNPN identity of the subscribed SNPN for which the list of configuration parameters are applicable.

- Occurrence: One

- Format: chr

- Access Types: Get, Replace

- Values: <PLMN><NID>

The PLMN and NID are in the format defined by 3GPP TS 23.003 [6], with each digit of the MCC and MNC of the PLMN and each digit of the assignment mode and NID value of the NID encoded as an ASCII character.

## 5.x4 /*<X>*/SNPN\_Configuration/<X>/Timer\_RequestTimeout

The Timer\_RequestTimeout leaf defines the time between sending of an initial INVITE request and receipt of any SIP response.

- Occurrence: One

- Format: int

- Access Types: Get, Replace

- Values: <The time for INVITE request timeout>

The Timer\_RequestTimeout leaf is the time between sending from the UE the initial INVITE request and the receptions of any SIP responce. The timer value shall be given in seconds. The configurable value is between 5 and 15 seconds referring to 3GPP TS 24.173 [3]. The Timer\_RequestTimeout is a 16 bits unsigned integer.

## 5.x5 /*<X>*/SNPN\_Configuration/<X>/3GPP\_PS\_data\_off

The interior node contains configuration parameters for 3GPP PS data off.

- Occurrence: ZeroOrOne

- Format: node

- Access Types: Get, Replace

- Values: N/A

## 5.x6 /*<X>*/SNPN\_Configuration/<X>/3GPP\_PS\_data\_off/MMTEL\_voice\_exempt

The leaf indicates whether the MMTEL voice is a 3GPP PS data off exempt service.

- Occurrence: One

- Format: bool

- Access Types: Get, Replace

- Values: 0, 1

0 - Indicates that the MMTEL voice is not a 3GPP PS data off exempt service.

1 - Indicates that the MMTEL voice is a 3GPP PS data off exempt service.

NOTE: This MO is used when the UE is in a subscribed SNPN, or the UE is in a non-subscribed SNPN and the MMTEL\_voice\_non-subscribed\_exempt node is not configured.

## 5.x7 /*<X>*/SNPN\_Configuration/<X>/3GPP\_PS\_data\_off/MMTEL\_voice\_non-subscribed\_exempt

The leaf indicates whether the MMTEL voice is a 3GPP PS data off exempt service when the UE is in a non-subscribed SNPN.

- Occurrence: ZeroOrOne

- Format: bool

- Access Types: Get, Replace

- Values: 0, 1

0 - Indicates that the MMTEL voice is not a 3GPP PS data off non-subscribed exempt service.

1 - Indicates that the MMTEL voice is a 3GPP PS data off non-subscribed exempt service.

## 5.x8 /*<X>*/SNPN\_Configuration/<X>/3GPP\_PS\_data\_off/MMTEL\_video\_exempt

The leaf indicates whether the MMTEL video is a 3GPP PS data off exempt service.

- Occurrence: One

- Format: bool

- Access Types: Get, Replace

- Values: 0, 1

0 - Indicates that the MMTEL video is not a 3GPP PS data off exempt service.

1 - Indicates that the MMTEL video is a 3GPP PS data off exempt service.

NOTE: This MO is used when the UE is in a subscribed SNPN, or the MMTEL\_video\_non-subscribed\_exempt node is not configured when the UE is in the non-subscribed SNPN.

## 5.x9 /*<X>*/SNPN\_Configuration/<X>/3GPP\_PS\_data\_off/MMTEL\_video\_non-subscribed\_exempt

The leaf indicates whether the MMTEL video is a 3GPP PS data off exempt service when the UE is in a non-subscribed SNPN.

- Occurrence: ZeroOrOne

- Format: bool

- Access Types: Get, Replace

- Values: 0, 1

0 - Indicates that the MMTEL video is not a 3GPP PS data off non-subscribed exempt service.

1 - Indicates that the MMTEL video is a 3GPP PS data off non-subscribed exempt service.

\* \* \* Next Change \* \* \* \*

Annex A (informative):
DDF of MO for BCP of MMTEL communication service

This DDF is the standardized minimal set. A vendor can define its own DDF for the complete device. This DDF can include more features than this minimal standardized version.

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE MgmtTree PUBLIC "-//OMA//DTD-DM-DDF 1.2//EN"

 "http://www.openmobilealliance.org/tech/DTD/DM\_DDF-V1\_2.dtd">

<MgmtTree>

 <VerDTD>1.2</VerDTD>

 <Man>--The device manufacturer--</Man>

 <Mod>--The device model--</Mod>

 <Node>

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 <DFProperties>

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 <Replace/>

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\* \* \* Next Change \* \* \* \*