**SA WG2 Meeting #165S2-2410336r01**

**Hyderabad, India, October 14 – 18, 2024 (revision of S2-24xxxxx)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.228** | **CR** | **1483** | **rev** | **1** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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| ***Title:*** | Address ENs in IMS AS Session Management Service | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NG\_RTC\_Ph2 | | | | |  | ***Date:*** | | | 2024-10-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | The paper is proposed to address the following ENs for Nimsas\_ImsSessionManagement Service in clause AA.2.4.4 of TS 23.228:  Editor's note: How to support MDC1 and MDC2 media information is FFS.  Editor's note: The parameter design is FFS.  Editor's note: The parameter design is FFS. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Address the ENs for Nimsas\_ImsSessionManagement Service in clause AA.2.4.4 of TS 23.228. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | ENs for Nimsas\_ImsSessionManagement Service in clause AA.2.4.4 exist. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | Annex AA.2.4.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

*FIRST CHANGE*

### AA.2.4.4 Nimsas\_ImsSessionManagement Service

#### AA.2.4.4.1 General

**Service description:** This service enables the consumer to request IMS AS to create and release an IMS session and modify the media in a specific IMS session.

NOTE: In this release only session management of IMS data channel is specified.

#### AA.2.4.4.2 Nimsas\_ImsSessionManagement\_Create service operation

**Service operation name:** Nimsas\_ImsSessionManagement\_Create

**Description:** This service enables the consumer NF to create an IMS session with standalone data channel media.

**Inputs, Required:** Serving ID, Destination ID, Media Information set.

**Serving ID:** It is the subscriber identity of IMS Subscriber served by the DC AS.

**Destination ID:** It is the subscriberidentity of peer IMS Subscriber of this session.

**Media Information set:** Includes a set of media information indicating how the media used in the created session. Each media information contains:

- **Media Type:** It indicates the media type used in the created session, e.g., Data Channel.

- **Media Parameter:** It indicates the related media parameters. For different media, it contains different parameters.

- When the Media Type is Data Channel, it need indicate the Data Channel Type (ADC or BDC):

- When ADC is selected, it need indicate the ADC type (P2A, P2P, P2A2P), Application Binding Information, and if P2A ADC is selected, the party which this request is targeted, and MDC2 media endpoint address of the application layer.

- When BDC is selected, it need indicate the party (the caller, or the callee) with which the BDC is used.

**Inputs, Optional:** None.

**Outputs, Required:** Result indication and Session ID when the operation is successful.

**Outputs, Optional:** None.

#### AA.2.4.4.3 Nimsas\_ImsSessionManagement\_Update service operation

**Service operation name:** Nimsas\_ImsSessionManagement\_Update

**Description:** This service operation enables the consumer NF to modify the media in a specific IMS session, such as adding or removing bootstrap data channel(s) or application data channel(s), modify media parameters for the targeted data channel(s).

**Inputs, Required:** Session ID, Serving ID, Destination ID, Media operation set.

**Session ID:** It is the identity of session that this request targeted to.

**Serving ID:** It is the subscriberidentity of IMS Subscriber served by the DC AS.

**Destination ID:** It is the subscriberidentity of peer IMS Subscriber of this session.

**Media operation set:** Includes a set of media operations commands indicating how to modify the media used in the specific session. Each media operation command contains:

- **Operation Type:** It indicates adding, updating or removing the corresponding media.

- **Media Type:** It indicates the operated media is Data Channel.

- **Media Parameter:** It indicates the related media parameters. For different media, it contains different parameters.

- When the Media Type is Data Channel, it need indicate the Data Channel Type (ADC or BDC):

- When ADC is selected, it need indicate the ADC type (P2A, P2P, P2A2P), Application Binding Information, and if P2A ADC is selected, the party which this request is targeted, and MDC2 media endpoint address of the application layer.

- When BDC is selected, it need indicate the party (the caller, or the callee) with which the BDC is used.

**Inputs, Optional:** None.

**Outputs, Required:** Result indication.

**Outputs, Optional:** None.

#### AA.2.4.4.4 Nimsas\_ImsSessionManagement\_Delete service operation

**Service operation name:** Nimsas\_ImsSessionManagement\_Delete

**Description:** This service operation enables the consumer NF to release the specific IMS session.

**Inputs, Required:** Session ID.

**Inputs, Optional:** None.

**Outputs, Required:** Result indication.

**Outputs, Optional:** None.

*END OF CHANGES*