**3GPP TSG-SA WG6 Meeting #42-bis-e S6-210998r1**

**e-meeting, 12th – 20th April 2021 (revision of S6-210748)**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **23.434** | **CR** | **0046** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  |
| *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:***  | Unicast SDP/SIP session establishment support |
|  |  |
| ***Source to WG:*** | Tencent |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | eSEAL, UASAPP |  | ***Date:*** | 2021-04-12 |
|  |  |  |  |  |
| ***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 common usage of SDP for session negoiation happens in both unicast and multicast scenarios. In today’s network deployment, SDP used by unicast traffic is actually seen more often than multicast. The VAL media services shall be able to understand SDP information in both cases. Current SEAL NRM does not have the options for VAL server pass SDP information to NRM for unicast traffic. |
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| ***Summary of change:*** | ADD SDP in the information flows from VAL server to SEAL NRM-S |
|  |  |
| ***Consequences if not approved:*** | Media session established initiated by VAL client with SDP is not properly addressed |
|  |  |
| ***Clauses affected:*** | 14.3.2.6, 14.3.2.7 |
|  |  |
|  | **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 \* \* \* \*

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#### 14.3.2.6 Resource request

Table 14.3.2.6-1 describes the information flow for the resource request from VAL server to NRM server for unicast resources.

Table 14.3.2.6-1: Resource request

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Requester Identity  | M | The identity of the VAL server performing the request. |
| VAL user ID or VAL UE ID | M | The identity of the VAL user or VAL UE. |
| VAL service requirement information (see NOTE 1)  | O | VAL service requirements for unicast resource (e.g. VAL service ID, Bitrate) |
| SDP offer (see NOTE 2) | O | SDP of the media parameters offered (e.g. codec, bandwidth, protocol id, FEC information) |
| NOTE 1: When this information element is not included, the NRM server considers default VAL service requirement for the unicast resources. NOTE 2: This IE is present when SIP session initialization is required. |

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

#### 14.3.2.7 Resource response

Table 14.3.2.7-1 describes the information flow for the resource response from NRM server to VAL server for unicast resources.

Table 14.3.2.6-1: Resource response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Result | M | The result indicates success or failure of the resource request operation. |
| SDP answer | O | SDP of the media parameters selected |

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