**3GPP TSG-CT WG1 Meeting #124-eC1-203855**

**Electronic meeting, 2-10 June 2020 (was C1-203464)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.301** | **CR** | **3316** | **rev** | **4** | **Current version:** | **16.4.0** |  |
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| *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 |  |

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| ***Title:*** | Allow lower layer to change RRC establishment cause during voice EPS fallback | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated, Ericsson, T-Mobile USA | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-06-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | RAN2 sent LS R2-1916530 to CT1 to indicate that LTE RRC layer may change NAS specified RRC establishment cause = “MO Signaling” during MT/MO MMTEL voice EPS fallback to RRC establishment cause = “MO Voice Call”; see following:  *Please also note that the UE uses “mo-VoiceCall” as the establishment cause value in RRC Connection Request in E-UTRAN regardless of whether the call was mobile originated or mobile terminated in NR before the fallback procedure is initiated*  Therefore, Table D.1.1 needs to be updated for these cases to indicate such allowed behavior by the lower layer. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update Table D.1.1 for the TAU procedure with some RRC establishment cause = “MO Signaling” to give permission for the lower layer to change the RRC establishment cause to “MO Voice Call”. Following call types where updated:   1. “originating MMTEL voice” and “originating MMTEL video” when the network triggers EPS fallback during the initiation of MO IMS voice 2. “originating signalling” when the network triggers EPS fallback for the initiation of MT IMS voice 3. "originating SMSoIP" and "originating SMS" when the network triggers EPS fallback for the initiation of MT IMS voice while MO SMS session is ongoing | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Inconsistent specification between TS 36.331 and TS 24.301 for allowing RRC layer to change NAS specified RRC establishment cause. | | | | | | | | |
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| ***Clauses affected:*** | | D.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Revision 3 (CT1#124-e):  - Removed the note for NAS specified RRC establishment cause = “Delay tolerant” and modified summary of change | | | | | | | | |

\*\*\*\*\* Next change \*\*\*\*\*

# D.1 Mapping of NAS procedure to RRC establishment cause (S1 mode only)

When EMM requests the establishment of a NAS-signalling connection, or when EMM requests the lower layers to resume a NAS signalling connection, the RRC establishment cause used by the UE shall be selected according to the NAS procedure as specified in table D.1.1. The EMM shall also indicate to the lower layer for the purpose of access control, the call type associated with the RRC establishment cause as specified in table D.1.1. If the UE is configured for EAB (see the "ExtendedAccessBarring" leaf of NAS configuration MO in 3GPP TS 24.368 [15A] or 3GPP TS 31.102 [17]), the EMM shall indicate to the lower layer for the purpose of access control that EAB applies for this request except for the following cases:

- the UE is a UE configured to use AC11 – 15 in selected PLMN;

- the UE is answering to paging;

- the RRC Establishment cause is set to "Emergency call";

- the UE is configured to allow overriding EAB (see the "Override\_ExtendedAccessBarring" leaf of the NAS configuration MO as specified in 3GPP TS 24.368 [15A] or 3GPP TS 31.102 [17]) and receives an indication from the upper layers to override EAB; or

- the UE is configured to allow overriding EAB (see the "Override\_ExtendedAccessBarring" leaf of the NAS configuration MO as specified in 3GPP TS 24.368 [15A] or 3GPP TS 31.102 [17]) and already has a PDN connection that was established with EAB override.

Table D.1.1: Mapping of NAS procedure to establishment cause and call type

|  |  |  |  |
| --- | --- | --- | --- |
| **NAS procedure** | **RRC establishment cause (according 3GPP TS 36.331 [22])** | **Call type** | |
| Attach | If an ATTACH REQUEST has EPS attach type not set to "EPS emergency attach", the RRC establishment cause shall be set to MO signalling except when the UE initiates attach procedure to establish emergency bearer services. (See Note 1) | "originating signalling" | |
| Iif an ATTACH REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating signalling" | |
| If an ATTACH REQUEST has EPS attach type set to "EPS emergency attach", or if the ATTACH REQUEST has EPS attach type not set to "EPS emergency attach" but the UE initiates the attach procedure either on receiving request from upper layer to establish emergency bearer services or with a PDN CONNECTIVITY REQUEST that has request type set to "handover of emergency bearer services", the RRC establishment cause shall be set to Emergency call. (See Note 1, Note 4) | "emergency calls" | |
| If the UE is allowed to use exception data reporting (see the ExceptionDataReportingAllowed leaf of the NAS configuration MO in 3GPP TS 24.368 [15A] or the USIM file EFNASCONFIG in 3GPP TS 31.102 [17]) and the attach procedure has been initiated upon receiving a request from upper layers to transmit user data related to an exceptional event, the RRC establishment cause shall be set to MO exception data. (See Note 1) | "originating signalling" | |
| Tracking Area Update | If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and MO MMTEL voice call is not started, MO MMTEL video call is not started, MO SMSoIP is not started, MO SMS over NAS or MO SMS over S102 is not requested, the RRC establishment cause shall be set to MO signalling. (See Note 1, Note X) | "originating signalling" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and an MO MMTEL voice call is started, the RRC establishment cause shall be set to MO signalling. (See Note 1, Note 3, Note X) | "originating MMTEL voice" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and an MO MMTEL video call is started, the RRC establishment cause shall be set to MO signalling. (See Note 1, Note 3, Note X) | "originating MMTEL video" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and an MO SMSoIP is started, the RRC establishment cause shall be set to MO signalling. (See Note 1, Note X) | "originating SMSoIP" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and an MO SMS over NAS or MO SMS over S102 is requested, the RRC establishment cause shall be set to MO signalling. (See Note 1, Note X) | "originating SMS" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", the tracking area update procedure is not triggered due to paging, a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", and MO MMTEL voice call is not started, MO MMTEL video call is not started, MO SMSoIP is not started, MO SMS over NAS or MO SMS over S102 is not requested, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating signalling" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", an MO MMTEL voice call is started, and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to MO signalling. (See Note 1, Note 3, Note X) | "originating MMTEL voice" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", an MO MMTEL video call is started, and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to MO signalling. (See Note 1, Note 3, Note X) | "originating MMTEL video" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", an MO SMSoIP is started, and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to MO signalling. (See Note 1, Note X) | "originating SMSoIP" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", an MO SMS over NAS or MO SMS over S102 is requested, and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to MO signalling. (See Note 1, Note X) | "originating SMS" | |
| If the UE does not have a PDN connection established for emergency bearer services and is not initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", and a TRACKING AREA UPDATE REQUEST is a response to paging where the CN domain indicator is set to "PS" or "CS", the RRC establishment cause shall be set to MT access. (See Note 1) | "terminating calls" | |
| If the UE has CS fallback emergency call or 1xCS fallback emergency call pending, the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If the UE has a PDN connection established for emergency bearer services or is initiating a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If the UE is allowed to use exception data reporting (see the ExceptionDataReportingAllowed leaf of the NAS configuration MO in 3GPP TS 24.368 [15A] or the USIM file EFNASCONFIG in 3GPP TS 31.102 [17]) and there is a pending request from upper layers to transmit user data related to an exceptional event, the RRC establishment cause shall be set to MO exception data. | "originating signalling" | |
| If the UE is requesting resources for V2X communication over PC5, the RRC establishment cause shall be set to MO signalling.  (See Note 1) | "originating signalling" | |
| If the UE is requesting resources for V2X communication over PC5 and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to Delay tolerant.  (See Note 1) | "originating signalling" | |
| If the UE is requesting resources for ProSe direct discovery or ProSe direct communication as specified in 3GPP TS 36.331 [22], the RRC establishment cause shall be set to MO signalling. (See Note 1) | "originating signalling" | |
| If the UE is requesting resources for ProSe direct discovery or ProSe direct communication as specified in 3GPP TS 36.331 [22] and a TRACKING AREA UPDATE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating signalling" | |
| Detach | MO signalling (See Note 1) | "originating signalling" | |
|  | If a SERVICE REQUEST is to request user plane radio resources and MO MMTEL voice call is not started, MO MMTEL video call is not started and MO SMSoIP is not started, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is to request user plane radio resources and an MO MMTEL voice call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL voice" | |
| If a SERVICE REQUEST is to request user plane radio resources and an MO MMTEL video call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL video" | |
| If a SERVICE REQUEST is to request user plane radio resources and an MO SMSoIP is started, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMSoIP" | |
| If a SERVICE REQUEST is to request user plane radio resources for emergency bearer services, the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If a SERVICE REQUEST is to request resources for UL signalling and not for MO SMS over NAS or MO SMS over S102, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is to request resources for UL signalling for MO SMS over NAS or MO SMS over S102, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMS" | |
| If a SERVICE REQUEST is to request user plane radio resources or to request resources for UL signalling and the UE is configured for dual priority and the NAS signalling low priority indicator is overridden, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is triggered by a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If a SERVICE REQUEST is to request user plane radio resources or to request resources for UL signalling, the UE is configured for NAS signalling low priority, and MO MMTEL voice call is not started, MO MMTEL video call is not started and MO SMSoIP is not started, MO SMS over NAS or MO SMS over S102 is not requested, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is to request user plane radio resources, an MO MMTEL voice call is started, and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL voice" | |
| If a SERVICE REQUEST is to request user plane radio resources, an MO MMTEL video call is started, and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL video" | |
| If a SERVICE REQUEST is to request user plane radio resources, an MO SMSoIP is started, and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMSoIP" | |
| If a SERVICE REQUEST is to request resources for UL signalling for MO SMS over NAS or MO SMS over S102 and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMS" | |
| If a SERVICE REQUEST is a response to paging where the CN domain indicator is set to "PS", the RRC establishment cause shall be set to MT access. (See Note 1) | "terminating calls" | |
| If a SERVICE REQUEST is triggered to request resources for ProSe direct discovery or ProSe direct communication as specified in 3GPP TS 36.331 [22], the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is triggered to request resources for ProSe direct discovery or ProSe direct communication as specified in 3GPP TS 36.331 [22] and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is triggered to request resources for V2X communication over PC5, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If a SERVICE REQUEST is triggered to request resources for V2X communication over PC5 and the UE is configured for NAS signalling low priority, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "packet services via S1" and is to request user plane radio resources for emergency bearer services, the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "packet services via S1" and is triggered by a PDN CONNECTIVITY REQUEST that has request type set to "emergency" or "handover of emergency bearer services", the RRC establishment cause shall be set to Emergency call. (See Note 1) | "emergency calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "packet services via S1" and is a response to paging where the CN domain indicator is set to "PS", the RRC establishment cause shall be set to MT access. (See Note 1) | "terminating calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "mobile originating CS fallback or 1xCS fallback" and is to request mobile originating 1xCS fallback, or if an EXTENDED SERVICE REQUEST is a response to paging for 1xCS fallback received over cdma2000® 1xRTT and has service type set to "mobile terminating CS fallback or 1xCS fallback", the RRC establishment cause shall be set to MO data. (See Note 1). | "originating calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "mobile originating CS fallback or 1xCS fallback" and is to request mobile originating CS fallback, the RRC establishment cause shall be set to MO data. (See Note 1). | "mobile originating CS fallback" | |
| If an EXTENDED SERVICE REQUEST is a response to paging for CS fallback, service type set to "mobile terminating CS fallback or 1xCS fallback", the RRC establishment cause shall be set to MT access. (See Note1, Note 2). | "terminating calls" | |
| If an EXTENDED SERVICE REQUEST has service type set to "mobile originating CS fallback emergency call or 1xCS fallback emergency call", the RRC establishment cause shall be set to Emergency call.  (See Note 1). | "emergency calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority", and MO MMTEL voice call is not started, MO MMTEL video call is not started and MO SMSoIP is not started, MO SMS over NAS or MO SMS over S102 is not requested, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and an MO MMTEL voice call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL voice" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and an MO MMTEL video call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL video" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and an MO SMSoIP is started, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMSoIP" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and an MO SMS over NAS or MO SMS over S102 is requested, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMS" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", and MO MMTEL voice call is not started, MO MMTEL video call is not started and MO SMSoIP is not started, MO SMS over NAS or MO SMS over S102 is not requested, the RRC establishment cause shall be set to Delay tolerant. (See Note 1). | "originating calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and an MO MMTEL voice call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL voice" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and an MO MMTEL video call is started, the RRC establishment cause shall be set to MO data. (See Note 1, Note 3) | "originating MMTEL video" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and an MO SMSoIP is started, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMSoIP" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and an MO SMS over NAS or MO SMS over S102 is requested, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating SMS" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and is triggered to request resources for ProSe direct discovery or ProSe direct communication, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and is triggered to request resources for ProSe direct discovery or ProSe direct communication, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is not configured for NAS signalling low priority" and is triggered to request resources for V2X communication over PC5, the RRC establishment cause shall be set to MO data. (See Note 1) | "originating calls" | |
| If an EXTENDED SERVICE REQUEST contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority" and is triggered to request resources for V2X communication over PC5, the RRC establishment cause shall be set to Delay tolerant. (See Note 1) | "originating calls" | |
| If a CONTROL PLANE SERVICE REQUEST is a response to paging where the Control plane service type is set to "mobile terminating request", the RRC establishment cause shall be set to MT access. (see Note 1) | "terminating calls" | |
| If a CONTROL PLANE SERVICE REQUEST is to transfer user data or to request resources for UL signalling , the RRC establishment cause shall be set to MO data. (see Note 1) | "originating calls" | |
| If a CONTROL PLANE SERVICE REQUEST is to transfer user data or to request resources for UL signalling and contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to Delay tolerant. (see Note 1) | "originating calls" | |
| In WB-S1 Mode, if a CONTROL PLANE SERVICE REQUEST is to transfer MO SMS, the RRC establishment cause shall be set to MO data. (see Note 1) | "originating SMS" | |
| In NB-S1 Mode, if a CONTROL PLANE SERVICE REQUEST is to transfer MO SMS, the RRC establishment cause shall be set to MO data. | "originating calls" | |
| In NB-S1 Mode, if a CONTROL PLANE SERVICE REQUEST is to transfer MO SMS and contains the Device properties IE with low priority indicator set to "MS is configured for NAS signalling low priority", the RRC establishment cause shall be set to Delay tolerant. | "originating calls" | |
| If the UE is allowed to use exception data reporting (see the ExceptionDataReportingAllowed leaf of the NAS configuration MO in 3GPP TS 24.368 [15A] or the USIM file EFNASCONFIG in 3GPP TS 31.102 [17]) and a CONTROL PLANE SERVICE REQUEST is to perform initial data transfer related to an exceptional event, the RRC establishment cause shall be set to MO exception data. | "originating calls" | |
| Note 1: For these NAS procedures in WB-S1 mode initiated by UEs of access class 12, 13 or 14 in their home country, the RRC establishment cause will be set to "High priority access AC 11 – 15". For this purpose, the home country is defined as the country to which the MCC part of the IMSI is associated, see 3GPP TS 23.122 [6] for the definition of country.  For these NAS procedures in WB-S1 mode initiated by UE of access class 11 or 15 in their HPLMN (if the EHPLMN list is not present or is empty) or EHPLMN (if the EHPLMN list is present), the RRC establishment cause will be set to "High priority access AC 11 – 15".  Note 2: This row is not applicable for mobile terminating 1xCS fallback with 1xCS paging request received over E-UTRAN.  Note 3: For these NAS procedures, the lower layers can change the RRC establishment cause from "MO data" or from "MO Signalling" to "MO Voice Call", if the serving cell requests the UE to use the RRC establishment cause "MO voice call" (see 3GPP TS 36.331 [22]).  Note 4: It is an implementation option to initiate attach request carrying a PDN CONNECTIVITY REQUEST with request type "handover of emergency bearer services" to support access transfer of an ongoing emergency session from non-3GPP access to 3GPP access when the UE is not already in EMM-REGISTERED state.  Note X: For these NAS procedures, the lower layers can change the RRC establishment cause from "MO Signalling" to "MO Voice Call" during EPS fallback for IMS voice (see 3GPP TS 36.331 [22]). | | | |

NOTE: The RRC establishment cause can be used by the network to prioritise the connection establishment request from the UE at high load situations in the network.

\*\*\*\*\* End of changes \*\*\*\*\*