| **Issue**  | **ASN1?****Y/N** | **Copied existing specification text.****Text should be unique, so that it can be easily found in the specification.****If needed, add also the new text.** | **Comment/description/****correction** | **Email address**  | **Comments** |
| --- | --- | --- | --- | --- | --- |
| 74 | N | In section 4.2.1**- RRC\_INACTIVE**:- A UE specific DRX may be configured by upper layers or by RRC layer;- UE controlled mobility based on network configuration;- The UE stores the UE Inactive AS context;- A RAN-based notification area is configured by RRC layer;- Transfer of unicast data and/or signalling to/from UE over radio bearers configured for SDT;The UE:- Monitors Short Messages transmitted with P-RNTI over DCI (see clause 6.5);- During SDT procedure, monitors control channels associated with the shared data channel to determine if data is scheduled for it;- While SDT procedure is not ongoing, monitors a Paging channel for CN paging using 5G-S-TMSI and RAN paging using fullI-RNTI;- If configured by upper layers for MBS multicast reception, monitors Paging channel for paging using TMGI;- Performs neighbouring cell measurements and cell (re-)selection;- Performs RAN-based notification area updates periodically and when moving outside the configured RAN-based notification area;- Acquires system information, while SDT procedure is not ongoing, and can send SI request (if configured);- While SDT procedure is not ongoing, performs logging of available measurements together with location and time for logged measurement configured UEs;- While SDT procedure is not ongoing, performs idle/inactive measurements for idle/inactive measurement configured UEs;- If configured by upper layers for MBS broadcast reception, acquires MCCH change notification and MBS broadcast control information and data. | For inactive state, the SDT bullet (marked in yellow) can be put together, and the MBS related bullets (marked in green) can be put together. Proposed change is as below:**- RRC\_INACTIVE**:- A UE specific DRX may be configured by upper layers or by RRC layer;- UE controlled mobility based on network configuration;- The UE stores the UE Inactive AS context;- A RAN-based notification area is configured by RRC layer;- Transfer of unicast data and/or signalling to/from UE over radio bearers configured for SDT;The UE:- Monitors Short Messages transmitted with P-RNTI over DCI (see clause 6.5);- During SDT procedure, monitors control channels associated with the shared data channel to determine if data is scheduled for it;- While SDT procedure is not ongoing,- monitors a Paging channel for CN paging using 5G-S-TMSI and RAN paging using fullI-RNTI;- acquires system information, and can send SI request (if configured);- performs logging of available measurements together with location and time for logged measurement configured UEs;- performs idle/inactive measurements for idle/inactive measurement configured UEs;- Performs neighbouring cell measurements and cell (re-)selection;- Performs RAN-based notification area updates periodically and when moving outside the configured RAN-based notification area;- If configured by upper layers for MBS multicast reception, - monitors Paging channel for paging using TMGI;- acquires MCCH change notification and MBS broadcast control information and data.. | Fangli\_xu@apple.com | Okay |
| 75 | N | In 5.3.8.33> for SRB2, if it is resumed and for SRB1:4> trigger the PDCP entity to perform SDU discard as specified in TS 38.323 [5]; | Comma (,) should be removed, and It should be updated as follow:3> for SRB2 (if it is resumed) and for SRB1:4> trigger the PDCP entity to perform SDU discard as specified in TS 38.323 [5]; | Fangli\_xu@apple.com | Okay |
| 76 | N | In 5.3.8.33> if configured grant resources for SDT are configured:4> configure the MAC entity with the configured grant resources for SDT and instruct MAC to start the *cg-SDT-TimeAlignmentTimer*; | “configured grant resources” should be replaced by the parameter name (sdt-MAC-PHY-CG-Config )in ASN.1Following is the proposed change:3> if configured grant resources for SDT are configured:4> configure the MAC entity with the configured grant resources for SDT and instruct MAC to start the *cg-SDT-TimeAlignmentTimer*; | Fangli\_xu@apple.com | Okay |
| 77 | N | Section 5.7.8.2aWhile in RRC\_IDLE or RRC\_INACTIVE, and T331 is running and and T319a is not running, the UE shall: | Remove the duplicated “and”While in RRC\_IDLE or RRC\_INACTIVE, and T331 is running and T319a is not running, the UE shall: | Fangli\_xu@apple.com | Okay |
| 78 | Y | Field description part. ***sdt-DataVolumeThreshold***Data volume threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. Value *byte32* corresponds to 32 bytes, value *byte100* corresponds to 100 bytes, and so on. | Correct the color to black.***sdt-DataVolumeThreshold***Data volume threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. Value *byte32* corresponds to 32 bytes, value *byte100* corresponds to 100 bytes, and so on. | Fangli\_xu@apple.com | Okay |
| 79 | Y | Field description part. ***sdt-LogicalChannelSR-DelayTimer***The value of logicalChannelSR-DelayTimer applied during SDT for logical channels configured with SDT, as specified in TS 38.321 [3]. Value in number of subframes. Value *sf20* corresponds to 20 subframes, *sf40* corresponds to 40 subframes, and so on. If this field is not configured, then logicalChannelSR-DelayTimer is not applied for SDT logical channels. | “is” is missing in the first sentence. ***sdt-LogicalChannelSR-DelayTimer***The value of logicalChannelSR-DelayTimer **is** applied during SDT for logical channels configured with SDT, as specified in TS 38.321 [3]. Value in number of subframes. Value *sf20* corresponds to 20 subframes, *sf40* corresponds to 40 subframes, and so on. If this field is not configured, then logicalChannelSR-DelayTimer is not applied for SDT logical channels. | Fangli\_xu@apple.com | Not implementedCurrent wording is aligned with how it is defined in field descriptions (i.e. it is “The value of logicalChannelSR-DelayTimer applied during SDT ….”) |
| 80 | Y | Field description part. ***sdt-RSRP-Threshold***RSRP threshold for UE to determine whether to perform SDT procedure, as specified in TS 38.321 [3]. | Improve the description and align the description as that for sdt-DataVolumeThreshold. The proposed change:***sdt-RSRP-Threshold***RSRP threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. | Fangli\_xu@apple.com | okay |
| 81 | N | Section 7.1.1.T319, stop conditionUpon reception of *RRCResume,* *RRCSetup, RRCRelease, RRCRelease* with *suspendConfig* or *RRCReject* message, upon cell re-selection and upon relay (re)selection. | T319, stop condition, “and” should be “or”The proposed change:Upon reception of *RRCResume,* *RRCSetup, RRCRelease, RRCRelease* with *suspendConfig* or *RRCReject* message, upon cell re-selection or upon relay (re)selection. | Fangli\_xu@apple.com | Not implementedThe “and” at the end is joining the “upon cell re-selection” and “upon relay (re)selection”. So, seems okay. Anyway, not clear if it is SDT related. So, not implemented.  |
| 100 | N | The purpose of this procedure is to transfer NAS dedicated information from NG-RAN to a UE in RRC\_CONNECTED, or to transfer F1-C related information from IAB Donor-CU to IAB-DU via IAB-MT in RRC\_CONNECTED or to a UE in RRC\_INACTIVE during SDT. | The purpose of this procedure is to transfer NAS dedicated information from NG-RAN to a UE in RRC\_CONNECTED or to a UE in RRC\_INACTIVE during SDT, or to transfer F1-C related information from IAB Donor-CU to IAB-DU via IAB-MT in RRC\_CONNECTED. | rrossbach@apple.com | No change neededSeems already fixed in the latest version (?) |
| 101 | N | CG-SDT-Configuration-r17 ::= SEQUENCE { cg-SDT-RetransmissionTimer INTEGER (1..64) OPTIONAL, -- Need R sdt-SSB-Subset-r17 CHOICE { shortBitmap-r17 BIT STRING (SIZE (4)), mediumBitmap-r17 BIT STRING (SIZE (8)), longBitmap-r17 BIT STRING (SIZE (64)) } OPTIONAL, -- Need S sdt-SSB-PerCG-PUSCH-r17 ENUMERATED {oneEighth, oneFourth, half, one, two, four, eight, sixteen} OPTIONAL, -- Need M sdt-P0-PUSCH-r17 INTEGER (-16..15) OPTIONAL, -- Need M sdt-Alpha-r17 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M sdt-DMRS-Ports-r17 CHOICE { dmrsType1-r17 BIT STRING (SIZE (8)), dmrsType2-r17 BIT STRING (SIZE (12)) } OPTIONAL, -- Need M sdt-NrofDMRS-Sequences-r17 INTEGER (1..2) OPTIONAL -- Need M} | The color coding of the sdt-DMRS-Ports-r17 struct needs to be corrected. | rrossbach@apple.com | No change neededSeems already fixed in the latest version (?) |
| N | 221 | 1> if *sdt-MAC-PHY-CG-Config* is configured:2> if the resume procedure is initiated in a cell that is different to the PCell in which the UE received the stored *sdt-MAC-PHY-CG-Config*:3> release the stored *sdt-MAC-PHY-CG-Config*; | 1> if *sdt-MAC-PHY-CG-Config* is configured:2> if the resume procedure is initiated in a cell that is different from the PCell in which the UE received the stored *sdt-MAC-PHY-CG-Config*:3> release the stored *sdt-MAC-PHY-CG-Config*; | Yinghao Guo <yinghaoguo@huawei.com> | Not implemented“different to” is also correct construction.  |
| N | 222 | 2> if resume is triggered by upper layers:3> inform upper layers about the failure to resume the RRC connection;2> if resume istriggered due to an RNA update; or:2> if resume is triggered for SDT and T380 is not running: | Remove the : | Yinghao Guo <yinghaoguo@huawei.com> | okay |
| Y | 223 |  cg-SDT-Config-LCH-restrictionToAddModList-r17 SEQUENCE (SIZE(1..maxLC-ID)) OF CG-SDT-Config-LCH-restriction OPTIONAL, -- Need N | There are too many hypens in some of the parameter/IE names, e.g. cg-SDT-Config-LCH-restrictionToAddModList, cg-SDT-Config-LCH-r17, BWP-Uplink-Dedicated-SDT, cg-SDT-Config-Initial-BWP-SUL. Remove the unnecessary hyphens following the ASN.1 naming conventions. | Yinghao Guo <yinghaoguo@huawei.com> | okay |
| Y | 224 | CG-SDT-Config-LCH-restriction ::= SEQUENCE { logicalChannelIdentity LogicalChannelIdentity, | Add field description; Change allowedCG-List-r16 to allowedCG-List-r17; add "r17" to field names | Yinghao Guo <yinghaoguo@huawei.com> | Already fixed |
| Y | 225 | ***sdt-DRB-ContinueROHC***Indicates whether the PDCP entity for the radio bearers configured for SDT continues or resets the ROHC header compression protocol during PDCP re-establishment during SDT procedure, as specified in TS 38.323 [5]. Value *cell* indicates that ROHC header compression continues when the UE resumes for SDT in the same cell as the PCell when the RRCRelease message is received. Value *rna* indicates that ROHC header compression continues when the UE resumes for SDT in a cell belonging to the same RNA as the PCell when the RRCRelease message is received. If the field is absent PDCP entity for the radio bearers configured for SDT reset the ROHC header compression protocol during PDCP re-establishment during SDT procedure, as specified in TS 38.323 [5]. | Editorial corrections[Proposed change] Change “when” to “where”:Value *cell* indicates that ROHC header compression continues when the UE resumes for SDT in the same cell as the PCell when the RRCRelease message was~~is~~ received. Value *rna* indicates that ROHC header compression continues ~~when~~ where the UE resumes for SDT in a cell belonging to the same RNA as the PCell ~~when~~ where the RRCRelease message was~~is~~ received. If the field is absent PDCP entity for the radio bearers configured for SDT reset the ROHC header compression protocol during PDCP re-establishment ~~during~~ when SDT is initiated~~procedure~~, as specified in TS 38.323 [5]. | Yinghao Guo <yinghaoguo@huawei.com> | okay |
| Y | 226 | ***CG-SDT-TA-ValiditationConfig***Configuration for the RSRP based TA validation. If this IE is not configured, then the UE does not perform RSRP based TA validation. | Editorial issues[Proposed change] Change CG-SDT-TA-ValiditationConfig to cg-SDT-TA-ValidationConfig. Change “This IE” to “This field”. Also the names in ASN.1 should be changed (“validation”, not “validitation”) | Yinghao Guo <yinghaoguo@huawei.com> | okay |
| Y | 227 | ***nonSDT-DataIndication***Informs the network about the arrival of data mapped to radio bearers not configured for SDT data during SDT. | Move the field description of nonSDT-DataIndication under the description for the fields of UEAssistanceInformationChange “*nonSDT-Data-Indication “* to “*nonSDT-DataIndication”* | Yinghao Guo <yinghaoguo@huawei.com> | Okay[LG] The description needs to be changed.Informs the network about the arrival of data mapped to radio bearers not configured for SDT during SDT procedure. |
| 320 | N | In 5.3.1.1 In response to a request to resume the RRC connection, the network may resume the suspended RRC connection and send UE to RRC\_CONNECTED, or reject the request to resume and send UE to RRC\_INACTIVE (with a wait timer), or directly re-suspend the RRC connection and send UE to RRC\_INACTIVE, or directly release the RRC connection and send UE to RRC\_IDLE, or instruct the UE to initiate NAS level recovery (in this case the network sends an RRC setup message).In response to a resume procedure initiated for SDT, the network may resume the suspended RRC connection and send UE to RRC\_CONNECTED, or reject the request to resume and send UE to RRC\_INACTIVE (with a wait timer), or directly re-suspend the RRC connection and send UE to RRC\_INACTIVE, or directly release the RRC connection and send UE to RRC\_IDLE, or instruct the UE to initiate NAS level recovery (in this case the network sends an RRC setup message). | The description of the two paragraphs (one for normal resume procedure and one for SDT) are the same for network behaviour.It is suggested to combine the two paragraphs.In response to a request to resume the RRC connection or to a resume procedure initiated for SDT, the network may resume the suspended RRC connection and send UE to RRC\_CONNECTED, or reject the request to resume and send UE to RRC\_INACTIVE (with a wait timer), or directly re-suspend the RRC connection and send UE to RRC\_INACTIVE, or directly release the RRC connection and send UE to RRC\_IDLE, or instruct the UE to initiate NAS level recovery (in this case the network sends an RRC setup message).~~In response to a resume procedure initiated for SDT, the network may resume the suspended RRC connection and send UE to RRC\_CONNECTED, or reject the request to resume and send UE to RRC\_INACTIVE (with a wait timer), or directly re-suspend the RRC connection and send UE to RRC\_INACTIVE, or directly release the RRC connection and send UE to RRC\_IDLE, or instruct the UE to initiate NAS level recovery (in this case the network sends an RRC setup message).~~ | shijie@catt.cn | okay |
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