**3GPP TSG- Meeting #**

**Fukuoka, ,**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
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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:*** | Draft CR – Corrections to PRS measurement period with eDRX in RRC\_IDLE state | | | | | | | | | |
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| ***Source to WG:*** | Qualcomm, Inc. | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_pos\_enh2-Core | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | |  |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Capture new agreement from RAN4#110 (R4-2403475):   * For Case 1, PRS measurement start is not limited to PTW when the PRS resource indicated in the assistance data is not within PTW.   Harmonize the requirement for the start of the measurement period in RRC\_IDLE state across all the NR positioning measurements. | | | | | | | | |
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| ***Summary of change:*** | | 1. Correct the start of the measurement period for DL RSTD with PRS BW aggregation (cl. 4.5.2.6). 2. Correct the start of the measurement period for DL RSCPD reported with DL RSTD (cl. 4.5.5.5). 3. Correct the start of the measurement period for DL RSTD without Rx hopping for RedCap (cl. 4.6.2.5). | | | | | | | | |
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| ***Consequences if not approved:*** | | PRS measurement period requirements in RRC\_IDLE state would be incorrect. | | | | | | | | |
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| ***Clauses affected:*** | | 4.5.2.6, 4.5.5.5, 4.6.2.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Incorporates changes from Big draft CR R4-2405983 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of R4-2407972. | | | | | | | | |

**----------------------START OF CHANGE----------------------------**

4.5.2.6 Measurements Period Requirements with Bandwidth Aggregation

The requirements in this clause apply provided that UE receives requests from LMF to perform PRS measurement on aggregated positioning frequency layers (PFLs) via *nr-DL-PRS-JointMeasurementRequestedPFL-List* in *NR-DL-TDOA-RequestLocationInformation*.

After receiving both *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message from the LMF via LPP [34],the UE shall be able to measure multiple (up to the UE capability specified in Clause 4.5.2.3) DL RSTD measurements, defined in TS 38.215 [4], during the measurement period defined as:

Where:

- is the total measurement period for aggregated measurements, and

- is the total measurement period for non-aggregated measurements, and

- When both and are non-zero, , where the maximum is across all the PFL combination(s) and non-aggregated PFL(s) configured for positioning measurements; otherwise is equal to zero.

is zero if every resource set on every PFL is linked for aggregation to at least one other resource set on another PFL. Otherwise, is as defined in clause 4.5.2.5 except that

- only PFLs containing resource set(s) not linked to any other resource set(s) are considered in

- on each PFL , only resource set(s) not linked to any other resource set(s) are considered in , and

- = 2 if the UE supports the capability of positioning measurements with reduced number of samples as indicated by *supportedDL-PRS-ProcessingSamples-RRC-Inactive* specified in TS 37.355 [34], and the LMF requests the UE to perform positioning measurements with reduced number of samples.

is zero if no resource sets on any PFL are linked for aggregation with other resource sets on other PFLs. Otherwise, is defined as

where:

- is the index of PFL combination,

- is total number of PFL combinations,

- is the periodicity of the PRS measurement in PFL combination ,

- is the measurement period for PRS RSTD measurement in PFL combination as specified below.

where:

- is a scaling factor for PRS measurements in RRC\_IDLE. If the UE supports *parallelPRS-MeasRRC-Inactive-r17*, = 1. Otherwise,

- If Srxlev ≤ SnonIntraSearchP or Squal ≤ SnonIntraSearchQ, equals to the sum of Kcarrier in 4.2.2.4 and one positioning layer.

- If Srxlev > SnonIntraSearchP and Squal > SnonIntraSearchQ, equals to the sum of Nlayer in 4.2.2.7 and one positioning layer.

- is the Rx TEG specific scaling factor:

- =1 if the UE is not configured by the LMF to measure a PRS resource with multiple Rx TEGs via *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* [34].

- is defined as follows if the UE is configured by the LMF with *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* [34] to perform measurement on same DL PRS resource of a TRP using different Rx TEGs in *NR-DL-TDOA-RequestLocationInformation* [34]:

- , if the UE is not capable of receiving same DL PRS resource simultaneously from multiple Rx TEGs, where P is the number of UE Rx TEGs that the UE is requested by LMF to measure the same DL-PRS Resource of a TRP indicated by *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* in [34], and in case ‘n0’ is indicated, P is the maximum number of Rx TEGs with which UE can support to measure the same PRS resource as reported in *NR-UE-TEG-Capability*.

- , if the UE is capable of receiving the same DL PRS resource simultaneously from multiple Rx TEGs, where is the number of UE Rx TEGs for measuring the same DL-PRS Resource simultaneously indicated by *measureSameDL-PRS-ResourceWithDifferentRxTEGsSimul-r17* in [34].

- is a scaling factor for PRS measurements with multiple Rx beams, and is defined as

- = 1 if PFL combination *m* is in FR1,

- is defined as follows if PFL combination *m* is in FR2

- equals to the value as UE reported in *supportedLowerRxBeamSweepingFactor-FR2* if the capability is reported by the UE for the band containing PFL combination *m*, and LMF indicates *lowerRxBeamSweepingFactor-FR2* in *NR-DL-TDOA-RequestLocationInformation*,

- equals to 8 otherwise

- is the maximum number of DL PRS resources in PFLcombination *m* configured in a slot, and only the PRS resources in resource set(s) linked to other resource set in PFL combination *m* are counted

- is the UE capability on maximum number of DL PRS resources that can be processed in a slot for PFL combination *m* as indicated by *maxNumOfAggregatedDL-PRS-ResourcePerSlot* specified in TS 37.355 [34].

- is the time duration of available PRS resources in PFL combination *m* to be measured during , and is calculated in the same way as PRS duration K defined in clause 5.1.6.5 of TS 38.214 [26]. For calculation of , only unmuted PRS resources in resource set(s) linked to other resource set in PFL combination *m* and that are not fully overlapped with other higher-priority DL signals/channels are considered.

- is the UE capability on duration of DL PRS resources in ms for PFL combination *m* as indicated by *prs-durationOfTwoPRS-BWA-ProcessingSymbolsN* or *prs-durationOfThreePRS-BWA-ProcessingSymbolsN* specified in TS 37.355 [34].

- is number of PRS measurement samples,

- = 2 if the UE supports the capability of positioning measurements with reduced number of samples as indicated by *reducedNumOfSampleInMeasurementWithPRS-BWA-RRC-IdleAndInactive* specified in TS 37.355 [34], and the LMF requests the UE to perform positioning measurements with reduced number of samples,

- = 4 otherwise.

- is the periodicity of the PRS measurement in PFL combination ,

- is the UE capability on time for processing of DL PRS resources in ms for PFL combination *m* as indicated by *prs-durationOfTwoPRS-BWA-ProcessingSymbolsT* or *prs-durationOfThreePRS-BWA-ProcessingSymbolsT* specified in TS 37.355 [34].

- , the least common multiple between and the DRX cycle length , where is the periodicity of DL PRS resource with muting on PFL combination .

- If more than one PRS periodicities are configured in PFL combination , the least common multiple of PRS periodicities among all DL PRS resource sets that are linked to other resource set in PFL combination , is used to derive , and for each applicable PRS resource set,

- , is the PRS periodicity with muting per PRS resource, and

- is the periodicity of PRS resource set given by the higher-layer parameter *DL-PRS-Periodicity*, and

- is the scaling factor considering PRS resource muting. , where is the muting repetition factor given by the higher-layer parameter *DL-PRS-MutingBitRepetitionFactor*, and is the size of the bitmap .

- is the measurement duration for the last PRS sample in PFL combination , including the sampling time and processing time, .

If the following conditions are met, the time starts from the first DL PRS resource(s) instances inside a PTW after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

- UE is configured with CN eDRX > 10.24s, and

- periodic PRS measurement reporting is configured, and

- CN eDRX cycle is smaller or equal to the PRS measurement reporting periodicity configured via higher layer parameter *reportingInterval* in TS 37.355 [34], and

- there is one or more PRS resources occurring in PTW.

Otherwise, the timestarts from the first DL PRS resource(s) after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

Note: No separate requirement on aggregated measurement based on or on non-aggregated measurement based on is applied.

If the DRX cycle is reconfigured during the RSTD measurement period, then the measurement period can be longer.

When PRS-RSRP is also reported by UE together with RSTD measurement based on aggregated DL-PRS resources from multiple-PFLs, PRS-RSRP are performed over the measurement period defined in 4.5.2.6.

When PRS-RSRPP is also reported by UE together with RSTD measurement based on aggregated DL-PRS resources from multiple-PFLs, PRS-RSRPP are performed over the measurement period defined in 4.5.2.6.

Longer RSTD measurement period is expected when there are collisions between PRS resources in any of the PFLs configured for aggregation and other higher-priority DL signals/channels.

If changes for any PFL or any PFL combination during the measurement period, the measurement period could be longer.

The measurement requirements do not apply for a PRS resource, if the PRS resource is across two sampling duration of N within duration .

The measurement requirements do not apply for a PRS resource, if time span of the PRS resource instance (including at least the minimum number of repetitions specified in the accuracy requirements) is greater than UE reported capability N.

The requirements in clause 4.5.2.6 do not apply if the PRS configuration given by higher layer paramters *NR-DL-PRS-AssistanceData* exceeds any of the UE measurement capabilities given by *NR-DL-PRS-ResourcesCapability* in *NR-DL-TDOA-ProvideCapabilities*, and it is up to UE implementation which PRS resources are measured, subject to UE measurement capabilities*.*

If cell re-selection occurs while RSTD measurements are being performed, then the UE shall continue and complete the on-going RSTD measurements after the cell selection is completed. The RSTD measurement period can be longer.

If the RRC state transition occurs from RRC\_IDLE to RRC\_CONNECTED state during the RSTD measurement period then the UE shall continue the RSTD measurement in the RRC\_CONNECTED state. The RSTD measurement period can be longer.

The UE shall meet the RSTD measurement accuracy requirements in clause 10.x.x.x.

**----------------------END OF CHANGE----------------------------**

**----------------------START OF CHANGE----------------------------**

4.5.5.5 Measurements Period Requirements

After receiving both *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message from the LMF via LPP [34] with *nr-DL-PRS-RSCPD-Request* and configuring a measurement time window via *nr-DL-PRS-MeasurementTimeWindowsConfig,* subject to UE capabilities *supportOfRSCPD-MeasurementInTimeWindow* and *supportOfLegacyMeasurementInTimeWindow*, the UE shall be able to measure multiple (up to the UE capability specified in Clause 4.5.5.3) DL RSTD and DL RSCPD measurements, defined in TS 38.215 [4], during the time window only.

If the UE is not configured with a measurement time window, the requirements in clause 4.5.2.5 apply. If multiple PFLs are configured in the assistance data, UE is only required to measure DL RSCPD on one of the PFLs.

If a periodic time window is configured, the UE shall be able to measure multiple (up to the UE capability specified in Clause 4.5.5.3) DL RSTD and DL RSCPD measurements, defined in TS 38.215 [4], based on the indicated PRS resource sets occurring inside the time window during the measurement period defined as:

Where:

- is the index of positioning frequency layer,

- is total number of positioning frequency layers, and

- is the periodicity of the PRS RSTD measurement in positioning frequency layer i

is the measurement period for PRS RSTD measurement in positioning frequency layer *i* as specified below:

,

Where:

- is the UE Rx beam sweeping factor:

- = 1 if positioning frequency layer *i* is in FR1, and if positioning frequency layer *i* is in FR2

- equals to the value as UE reported in *supportedLowerRxBeamSweepingFactor-FR2* if the capability is reported by the UE for the band containing positioning frequency layer i, and LMF indicates *lowerRxBeamSweepingFactor-FR2* in *NR-DL-TDOA-RequestLocationInformation*.

- equals to 8, otherwise.

- is a scaling factor for PRS-based NR positioning measurements in RRC\_INACTIVE. If the UE supports *parallelPRS-MeasRRC-Inactive-r17*, Kcarrier\_PRS = 1; otherwise,

- If Srxlev ≤ SnonIntraSearchP or Squal ≤ SnonIntraSearchQ, , where is defined in clause 4.2.2.4

- If Srxlev > SnonIntraSearchP and Squal > SnonIntraSearchQ, , where is defined in clause 4.2.2.7.

- is the Rx TEG specific scaling factor:

- =1 if the UE is not configured by the LMF to measure a PRS resource with multiple Rx TEGs via *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* [34].

- is defined as follows if the UE is configured by the LMF with *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* [34] to perform measurement on same DL PRS resource of a TRP using different Rx TEGs in *NR-DL-TDOA-RequestLocationInformation* [34]:

- , if the UE is not capable of receiving same DL PRS resource simultaneously from multiple Rx TEGs, where P is the number of UE Rx TEGs that the UE is requested by LMF to measure the same DL-PRS Resource of a TRP indicated by *measureSameDL-PRS-ResourceWithDifferentRxTEGs-r17* in [34], and in case ‘n0’ is indicated, P is the maximum number of Rx TEGs with which UE can support to measure the same PRS resource as reported in *NR-UE-TEG-Capability*.

- , if the UE is capable of receiving the same DL PRS resource simultaneously from multiple Rx TEGs, where is the number of UE Rx TEGs for measuring the same DL-PRS Resource simultaneously indicated by *measureSameDL-PRS-ResourceWithDifferentRxTEGsSimul-r17* in [34].

- is the maximum number of DL PRS resources in positioning frequency layer *i* configured in a slot.

- is the time duration of available PRS in positioning frequency layer *i* to be measured , and is calculated in the same way as PRS duration K defined in clause 5.1.6.5 of TS 38.214 [26]. For calculation of , only the unmuted PRS resources in the indicated resources sets that are not fully overlapped with other higher-priority DL signals/channels are considered.

- is the number of PRS RSTD samples, where

- = 1 if the UE supports *supportedDL-PRS-ProcessingSamples-RRC-Inactive* [34], and the LMF requests the UE to perform positioning measurements with reduced number of samples, and meets the following conditions:

- PRS bandwidth is within the initial BWP and

- Magnitude of difference between the serving cell’s SS-RSRP and the neighbor cell’s PRS-RSRP is within 6 dB.

- = 2 if the UE supports *supportedDL-PRS-ProcessingSamples-RRC-Inactive* [34], and the LMF requests the UE to perform positioning measurements with reduced number of samples, and does not meet the following conditions:

- PRS bandwidth is within the initial BWP and

- Magnitude of difference between the serving cell’s SS-RSRP and the neighbor cell’s PRS-RSRP is within 6 dB.

- = 4 otherwise.

- is the measurement duration for the last PRS RSTD sample in positioning frequency layer *i*, including the sampling time and processing time, = + ,

- is the periodicity of the PRS RSTD measurement in positioning frequency layer i defined as:

=

Where:

- corresponds to *durationOfPRS-ProcessingSymbolsInEveryTms-r17* in TS 37.355 [34],

- , the least common multiple between , the DRX cycle length and the time window periodicity ,

- is the periodicity of DL PRS resource with muting on positioning frequency layer *i,* and when calculating , only the PRS resources in the indicated resources sets and overlapped with both the MG and the indicated time window(s) are considered

- is the maximum periodicity of the indicated time window(s).

If more than one PRS periodicities are configured in positioning frequency layer *i*, the least common multiple of PRS periodicities among all DL PRS resource sets in the positioning frequency layer is used to derive , where,

- , is the PRS periodicity with muting per PRS resource,

- is the periodicity of PRS resource sets given by the higher-layer parameter *DL-PRS-Periodicity*.

- is the scaling factor considering PRS resource muting. , where

- is the muting repetition factor given by the higher-layer parameter *DL-PRS-MutingBitRepetitionFactor*, and is the size of the bitmap .

- is the UE capability combination per band for RRC\_INACTIVE state where N is a duration of DL PRS symbols in ms corresponding to *durationOfPRS-ProcessingSymbols-r17* in TS 37.355 [34], T (ms) corresponds to *durationOfPRS-ProcessingSymbolsInEveryTms-r17* in TS 37.355 [34], [ and T-N (>0) is the time required to process duration N of DL PRS symbols already buffered in memory], for a given maximum bandwidth supported by UE corresponding to *supportedBandwidthPRS* in TS 37.355 [34],

- is UE capability for number of DL PRS resources that it can process in a slot [in RRC\_INACTIVE state as indicated by *maxNumOfDL-PRS-ResProcessedPerSlot-RRC-Inactive-r17* specified in TS 37.355 [34].

If the following conditions are met, the time starts from the first DL PRS resource(s) instances inside a PTW after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

- UE is configured with CN eDRX > 10.24s, and

- periodic PRS measurement reporting is configured, and

- CN eDRX cycle is smaller or equal to the PRS measurement reporting periodicity configured via higher layer parameter *reportingInterval* in TS 37.355 [34], and

- there is one or more PRS resources occurring in PTW.

Otherwise, the timestarts from the first DL PRS resource(s) after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

Note: No per-positioning frequency layer requirement is applied in scenarios when multiple positioning frequency layers are configured.

If the DRX cycle is reconfigured during the RSTD measurement period, then the measurement period can be longer.

When PRS-RSRP is configured for DL-TDOA, RSTD and PRS-RSRP are performed over the same measurement period.

The measurement requirements do not apply to any PRS resource that always collides with other higher-priority DL signals/channels, as specified in clause 5.6.1.

Longer RSTD measurement period is expected when there are collisions between PRS resources and other higher-priority DL signals/channels.

If changes for any PFL during the measurement period, the measurement period could be longer.

The measurement requirements do not apply for a PRS resource, if the PRS resource is across two sampling duration of N within duration .

The measurement requirements do not apply for a PRS resource, if time span of the PRS resource instance (including at least the minimum number of repetitions specified in the accuracy requirements) is greater than UE reported capability N.

The requirements in clause 4.x1.5 do not apply if the PRS configuration given by higher layer paramters *NR-DL-PRS-AssistanceData* exceeds any of the UE measurement capabilities given by *NR-DL-PRS-ResourcesCapability* in *NR-DL-TDOA-ProvideCapabilities*, and it is up to UE implementation which PRS resources are measured, subject to UE measurement capabilities*.*

If cell re-selection occurs while RSTD and DL RSCPD measurements are being performed, then the UE shall continue and complete the on-going RSTD and DL RSCPD measurements after the cell selection is completed. The RSTD and DL RSCPD measurement period can be longer.

If the RRC state transition occurs from RRC\_IDLE to RRC\_CONNECTED state during the measurement period then the UE shall continue the RSTD and DL RSCPD measurement in the RRC\_CONNECTED state. The RSTD and DL RSCPD measurement period can be longer.

The UE shall meet the RSTD measurement accuracy requirements in clause 10.1.23.2.

The UE shall meet the DL-RSCPD measurement accuracy requirements in clause 10.x.x.x.

**----------------------END OF CHANGE----------------------------**

**----------------------START OF CHANGE----------------------------**

#### 4.6.2.5 Measurement Period Requirements without RX FH

After receiving both *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message from the LMF via LPP [34]*,* the UE shall be able to measure multiple (up to the UE capability specified in Clause 4.6.2.3) DL RSTD measurements without RX FH, defined in TS 38.215 [4], during the measurement period defined in 4.5.2.5.

If the following conditions are met, the time starts from the first DL PRS resource(s) instances inside a PTW after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

- UE is configured with CN eDRX > 10.24s, and

- periodic PRS measurement reporting is configured, and

- CN eDRX cycle is smaller or equal to the PRS measurement reporting periodicity configured via higher layer parameter *reportingInterval* in TS 37.355 [34], and

- there is one or more PRS resources occurring in PTW.

Otherwise, the timestarts from the first DL PRS resource(s) after both the *NR-DL-TDOA-ProvideAssistanceData* message and *NR-DL-TDOA-RequestLocationInformation* message are delivered from LMF to the UE via LPP [34].

Note: No per-positioning frequency layer requirement is applied in scenarios when multiple positioning frequency layers are configured.

If the DRX cycle is reconfigured during the RSTD measurement period, then the measurement period can be longer.

When PRS-RSRP is configured for DL-TDOA, RSTD and PRS-RSRP are performed over the same measurement period.

When PRS-RSRPP is configured for DL-TDOA, RSTD and PRS-RSRPP are performed over the same measurement period.

The measurement requirements do not apply to any PRS resource that always collides with other higher-priority DL signals/channels, as specified in clause 4.6.2.

Longer RSTD measurement period is expected when there are collisions between PRS resources and other higher-priority DL signals/channels.

If changes for any PFL during the measurement period, the measurement period could be longer.

The measurement requirements do not apply for a PRS resource, if the PRS resource is across two sampling duration of N within duration .

The measurement requirements do not apply for a PRS resource, if time span of the PRS resource instance (including at least the minimum number of repetitions specified in the accuracy requirements) is greater than UE reported capability N.

The requirements in clause 4.6.2.5 do not apply if the PRS configuration given by higher layer paramters *NR-DL-PRS-AssistanceData* exceeds any of the UE measurement capabilities given by *NR-DL-PRS-ResourcesCapability* in *NR-DL-TDOA-ProvideCapabilities*, and it is up to UE implementation which PRS resources are measured, subject to UE measurement capabilities*.*

If cell re-selection occurs while RSTD measurements are being performed, then the UE shall continue and complete the on-going RSTD measurements after the cell selection is completed. The RSTD measurement period can be longer.

If the RRC state transition occurs from RRC\_IDLE to RRC\_CONNECTED state during the RSTD measurement period then the UE shall continue the RSTD measurement in the RRC\_CONNECTED state. The RSTD measurement period can be longer.

The UE shall meet the RSTD measurement accuracy requirements in clause 10.1.23.2.

**----------------------END OF CHANGE----------------------------**