* 1-1-1: PRS resource muting
  + 1st round agreements:
    - If muting option 1 is applied, the periodicity of a PRS resource is scaled by N\_muting where N\_muting is X \* dl-prs-MutingBitRepetitionFactor, and
      * Option 1: X is the size of NR-MutingPattern-r16 for mutingOption1-r16.
      * Option 2: X is the [maximum] number of consecutive zeros of NR-MutingPattern-r16 for mutingOption1-r16
      * Note: the decision to be done in RAN4 #98-bis-e
  + Discussion
    - Nokia: Requirements may be unnecessarily relaxed. Option 2.
    - QC: Option 2 has some issues.
    - Huawei: In the second round 3 companies supported Option 1. One compromise is to define the upper bound for Option 1.
    - vivo: Option 1. Option 2 may have some issues in case different TRPs have different patterns. Open to have upper bound.
    - Intel: Share same view vivo and Nokia. Revised Option 1 is fine.
  + Agreements
    - If muting option 1 is applied, the periodicity of a PRS resource is scaled by N\_muting
      * N\_muting = X \* dl-prs-MutingBitRepetitionFactor
      * X is the size of NR-MutingPattern-r16 for mutingOption1-r16.
      * N\_muting upper bound value is FFS
        + Option A:

If Tprs \* *dl-PRS-MutingBitRepetitionFactor-r16* > 10240 ms

N\_muting = 1 (effectively no type1 muting, corner case that should be avoided by the network)

else

N\_muting = X \* *dl-PRS-MutingBitRepetitionFactor-r16*, where

X = min( L, 10240/( Tprs \* *dl-PRS-MutingBitRepetitionFactor-r16* ) ) and

L is the size of NR-MutingPattern-r16 for mutingOption1-r16.

* + - * + Option B:

If Tprs \* dl-PRS-MutingBitRepetitionFactor-r16 > 10240 ms

N\_muting = 1

Elseif L

N\_muting =min { L, [ X ] }, [X=2]

Elseif L

N\_muting = min { L, [ Y ] }, [Y=8]

* + - * + Other options are not precluded
* Measurement period when configured with PRS-RSRP: PRS-RSRP configured for DL-TDOA
  + Proposal
    - Option 1 (CATT, QC, Intel, OPPO, vivo, HW)
      * RSTD measurement period is not impacted by PRS-RSRP measurement.
    - Option 2 (Ericsson, Nokia)
      * UE behavior when RSTD is configured together with PRS-RSRP and the required PRS-RSRP measurement period is longer than that for RSTD (configured without RSTD): the RSTD measurement continues over the entire PRS-RSRP measurement period
    - Option 3 (Ericsson)
      * Clarify in the spec that when PRS-RSRP is configured for DL-TDOA then the measurement period of RSTD and PRS-RSRP shall be the same.
  + Discussion
    - Huawei: Measurements period for RSRP and RSTD shall be the same. Option 3 is fine as well
    - E///: Option 3 clarification is good to have.
    - QC: Support Option 1. Do not see the difference between Option 1 and 3.
      * E///: improve the spec clarify
    - Nokia: Same view as E///. Can compromise to Option 3.
    - vivo: Measurement period is applicable to all methods. The main issue is whether RSTD and RSRP measurement performed simultaneously.
  + Agreements
    - When PRS-RSRP is configured for DL-TDOA, RSTD and RSRP are performed over the same measurement period.