**[100b-e-NR-5G\_V2X\_NRSL-SYNC-03]**

**Email discussion/approval related to sync procedure**

[100b-e-NR-5G\_V2X\_NRSL-SYNC-03] Email discussion/approval related to sync procedure –

SL SSIDs/sync resources for each priority and

Lower SLSS ID with higher priority for P6/P6’ UE

(a,k.a. issues 4-1 & 4-2) by 4/24, with potential TPs by 4/29 (CATT, Teng)

**Issue 4-1 SL SSIDs/sync resources for each priority**

***Proposal 5: the following corrections shall be applied in current synchronization mechanism to solve the issues of ambiguity:***

* ***Reserve a SL-SSID for InC UE directly synch with GNSS, e.g. SL-SSID=1.***
* ***Then the SL-SSID set for In\_C UE directly synch with gNB/eNB is SL-SSID= [2,335].***
* ***For UE OoC sync to UE OoC, distinguish 2 cases:***
* ***If sync Ref UE is directly sync to GNSS (i.e., SL-SSID=0, and transmitting on resource 3).***
* ***Resource 2: InC = 0. SL-SSID=0.***
* ***Other cases:***
* ***Resource 1 or 2 (different from Sync Ref):***
* ***If the SL-SSID of Sync Ref UE is 0, SL-SSID = 336 and InC = 0;***
* ***Else, SL-SSID is from Sync Ref and InC = 0.***

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| **Company** | **Views** |
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**Issue 4-2 Lower SLSS ID with higher priority for P6/P6’ UE**

***Proposal 6: RAN1 should discuss whether UE can be (pre-)configured with P6 sync source with SSID-based selection as the alternative of RSRP-based mechanism in Rel-16.***

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| **Company** | **Views** |
| Qualcomm | Yes, RAN1 should discuss and agree on the proposed mechanism. Merging independent synchronization clusters is a critical issue that needs to be addressed in NR V2X; otherwise, NR V2X performance can be significantly degraded. This view is shared by the primary users of NR V2X/Sidelink technology (the public-safety community, car manufacturers, and industrial OEMs) and the many companies who co-sourced R1-2002540.  We tested alternative proposals that came up in prior RAN1 discussions and provided results in our companion contribution R1-2002543, where we observed that they do not address the issue. |
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