

3GPP TSG RAN4 Meeting #108

R4-2313213

Views on NR V2x Sidelink CA in Release 18

Ernst Zielinski - Volkswagen Infotainment GmbH

Views on NR V2 Sidelink CA in Release 18

- Vehicular OEMs are very interested in a deployment of NR Sidelink in the next years, in particular in Europe.
- Vehicular OEMs and automotive suppliers initiated and are supporting or even partially leading related essential and deployment relevant activities in the areas such as e.g. use cases, services, profiling (5G V2x Profiling, for instance), performance evaluation and regulation in organizations as e.g. ETSI ITS and 5GAA.
- Currently, some regional regulations (Reference to European regulation required) still limit the band access only to an operation with 10MHz wide channels. Therefore the NR Sidelink Carrier Aggregation feature is one important element to allow higher data rates and to provide an improved reliability when NR Sidelink is introduced.
- To ensure a fast and successful deployment, a Carrier Aggregation feature for NR-V Sidelink is mandatory within the Release 18 time frame. To reflect this need RAN plenary has decided to work on the same Sidelink Carrier Aggregation functionality as was introduced to LTE Sidelink (RP-230077).