

# Views on Mobility in Release 19

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- Enhancements for serving cell change/mobility is always important for mobile operators to reduce its latency, overhead, and interruption time.
- In Release-18, 3GPP RAN focused on limited basic functionalities such as L1/L2-based inter-cell mobility (LTM) only for intra-CU support, and RACH-less cell change with early candidate cell TA (Timing Advance) acquisition and others.
- However, we believe that there are still areas that need to be enhanced.

- **Inter-CU support**

Expanding the use cases for LTM is beneficial for operators to deploy the feature more widely

- **Early TA acquisition**

Release-18 only supports Early TA acquisition by sending RACH to candidate cells using contention-free RACH (CFRA). However, dedicated RACH resources to each UE is not always beneficial in terms of spectrum utilization. Using a common RA resource with contention-based RACH (CBRA) is a potential enhancement that could improve spectrum utilization

- **MAC reset**

In Release-18, HARQ continuation is not supported, even though multiple companies have shown interest. Therefore, this is also a potential enhancement for Release-19.

- **Leftovers & Further enhancements**

The WG discussion for Release-18 is still ongoing, so we will discuss the remaining topics and potential enhancements, such as beam management, reference configuration, and L1 measurement, in 2023 Q3/Q4.

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誰もが思いを実現できる社会をつくる。

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