

# KT's view on Release-17 for 5G Enhancements

Agenda Item: 8

Source: KT Corp.

Document for: Discussion

5G

# 1 KT 5G Status

Commercial 5G Services launched from 1<sup>st</sup> December 2018

Commercial service based on 5G Smartphone started from 3<sup>rd</sup> April 2019 (30k subscribers in 2 days)



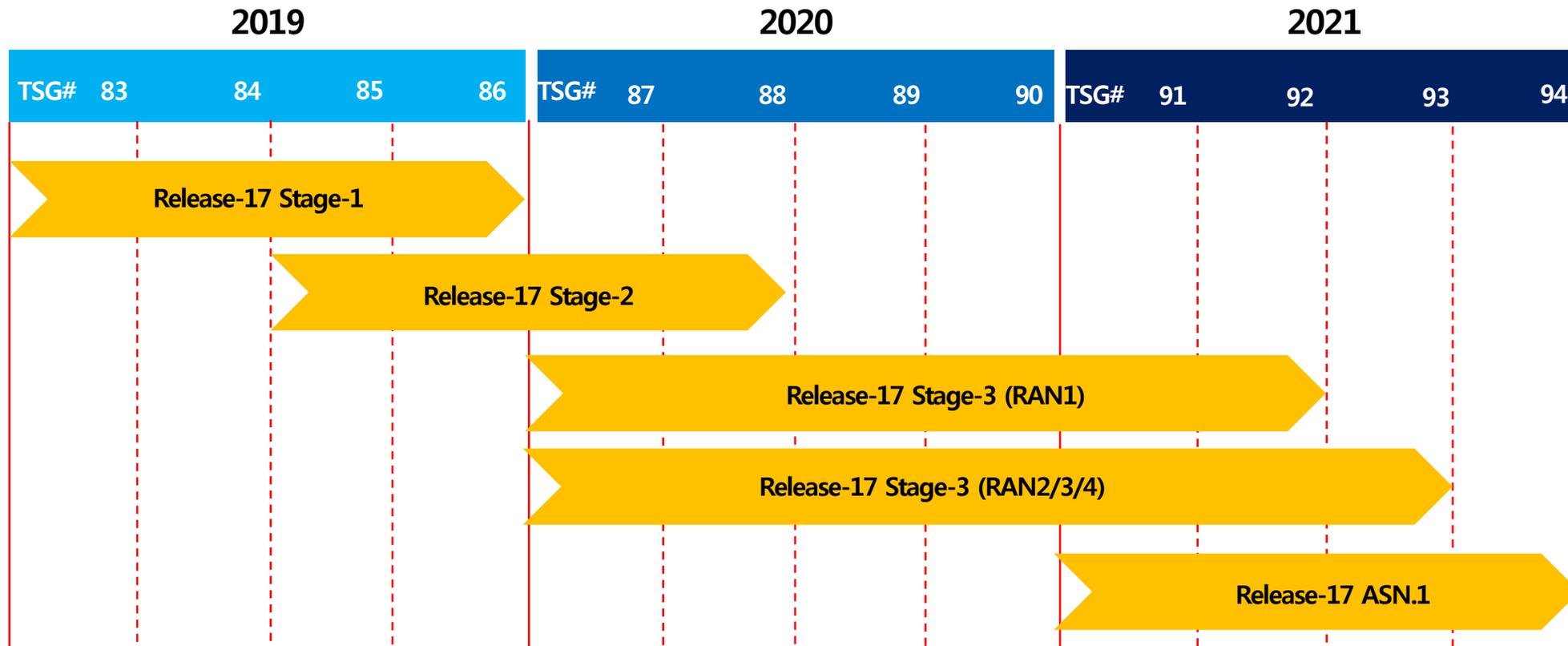
## 2 Release-17 Timeline

Previous 15 months per Release helped realizing early commercial deployments

However, we have experienced reduce of scope due to time limitations

KT suggests to allow enough time per release to capture all the necessary enhancements

Strong preference on having 24 months per Release for Release-17 including ASN.1



### 3 Candidate features for Release-17 WI/SI



RAN Architecture Enhancement for URLLC



Sidelink Enhancement



Broadcast/Multicast over NR



NR-Unclicensed Enhancement



UE-to-UE Relay for Coverage Enhancement



3GPP Support for A.I. based Intelligent NW



3GPP support for QKD



5G+LTE+WiFi Aggregation



Full Duplex Radio



5G Satellite Support

## 4 Conclusion

- From commercial perspective, 5G is gaining its momentum worldwide with promising future
- For the standard perspective, still a lot of time may be needed for maintenance of Release-15 and 16
- Considering above, KT suggests 24 months per Release for Release-17 (including ASN.1)
- Release-15 & 16 should provide all the necessary feature for the early commercial deployments
- Release-17 should focus on necessary enhancements from commercial deployments
- Each WI/SI can start at any time upon Plenary approval. However, completion deadline shall be met in order to be included in the Release package

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