



RAN#86 Sitges, 9-12th December 2019

Agenda: 9.1.3

TDOC: RP-193141

For: Approval

# Way Forward on Handling Local LMF Issue

CMCC

# Situation

- ✦ SA2 concluded on the benefits from CN perspective, but left decision on normative work to RAN.
- ✦ RAN2 concluded to recommend for normative work.
- ✦ RAN3 concluded as follows:
  - ✦ Local LMF is feasible and single architecture option was selected.
  - ✦ RAN3 did not reach consensus on a recommendation for normative work



# Way Forward on Handling Local LMF Issue

## Option 1:

- ✦ Specify location management functionalities in the RAN (Location Management Component (LMC)) and coordination between LMC in RAN and 5GC entities in Release 17.
- ✦ The inter-gNB mobility is not supported for UE positioning through RAN LMC in Release 17.
- ✦ A single positioning anchor is assumed in Release 17.

-Huawei show the concern on complexity, security, benefit. E// also think it is a bad idea to introduce local LMF.  
Nokia CATT and CMCC support this option.



# Way Forward on Handling Local LMF Issue

## Option 2:

- ✦ **Extend one quarter of the Study on local NR positioning in NG-RAN to study the additional deployment-based alternative.**
- ✦ **SA3 and SA2 can be involved if needed.**

**Conclusion: Option 2 will not be pursued**



# Way Forward on Handling Local LMF Issue

## Option 3:

- ✦ Draft LS to SA2 to inform the current situation in RAN. (Nokia)



# Proposed WF on Local LMF

## Conclusion:

- ✦ GO with option 3.
- ✦ Draft LS to SA2 to inform the current situation in RAN. (Nokia)

