

# Work Plan for FS\_MINT-CT

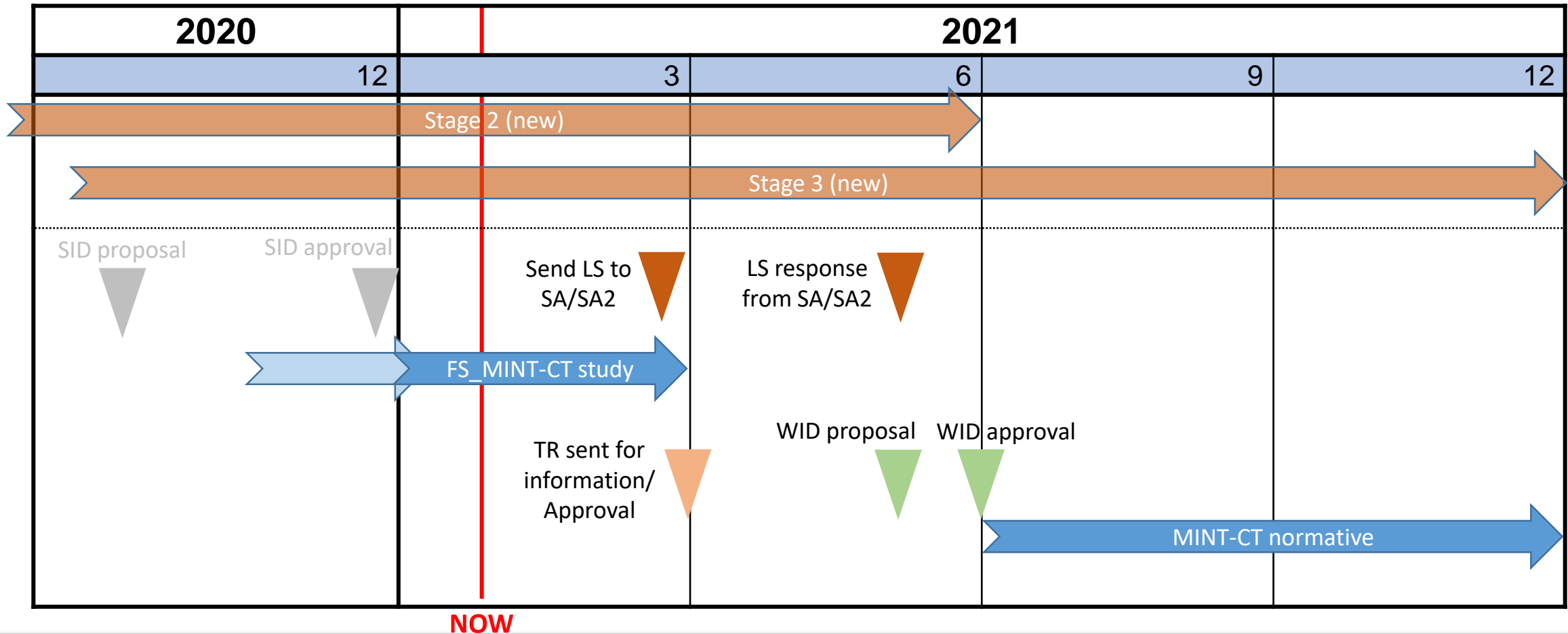
LG Electronics





# Time plan (1/2)

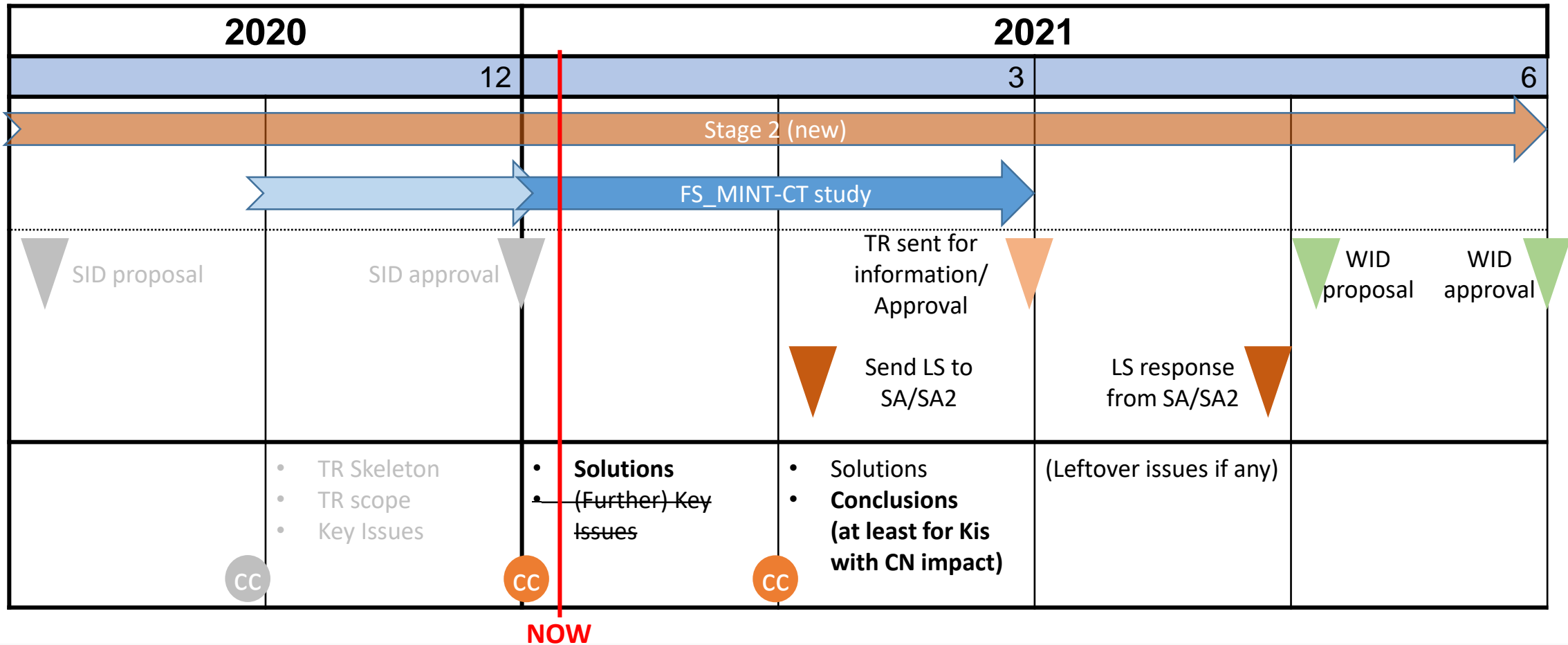
The rapporteur's plan for MINT study phase and normative phase is as follows:





# Time plan (2/2)

The rapporteur's plan for FS\_MINT-CT study is as follows:



# LS from SA1 (S1-204329)

- 🌿 Q1: Which level of services are the PLMNs not subject to disaster required to provide to “Disaster Inbound Roamers”? Emergency services only, a limited set of services hosted by the PLMN not subject to disaster (e.g. internet connectivity provided using local break-out), or the same set of services that the “Disaster Inbound Roamers” would receive in their HPLMN?
  - Answer 1: In principle “Disaster Inbound Roamers” can receive the same services as normal inbound roamers can receive in the VPLMN, **subject to agreements between HPLMN and VPLMN, regulations, VPLMN constraints, etc.**
- 🌿 Q2: If the answer to Question 1 is: a limited set of services hosted by the PLMN not subject to disaster, can it be assumed that the NFs of the PLMM subject to disaster required to support those services (the UDM and the AUSF) are still operational?
- 🌿 Q3: If the answer to Question 1 is: the same set of services that the “Disaster Inbound Roamers” would receive in their HPLMN, can it be assumed that the NFs (network functions) of the PLMM subject to disaster required to support those services (the UDM, the AUSF, the SMF and UPF for any DNN requiring home-routed PDU session, and the IMS) are still operational?
  - Answer 2&3: according to the initial stage-1 study and use cases, which refer mostly to RAN unavailability due to disaster situations, **SA1 understanding is that the network functions of the PLMN subject to disaster can be assumed to be still operational.**
- 🌿 LGE will submit a pCR to reflect this guidance in TR 24.811 as architectural assumptions (C1-21xxxa)

# Architectural assumptions/requirements



- pCRs on the architectural assumptions
  - C1-21xxxx\_Architectural Assumptions (vivo)
  - C1-21xxxx (LGE)
    - Reflects stage 1 guidance in the incoming LS from SA1
  
- pCR on the architectural requirements
  - C1-21xxxx\_Architectural Requirements (vivo)

# Key Issues as of TR 24.811 v0.1.0

- 📶 KI1: Notification of Disaster Condition to the UE
- 📶 KI2: Notification of applicability on Disaster Condition to PLMNs without Disaster Condition
  - C1-21xxxx\_Updates to KI#2 (vivo)
- 📶 KI3: Indication of accessibility from other PLMNs without Disaster Condition to the UE
- 📶 KI4: Registration to the roaming PLMN without Disaster Condition in case of Disaster Condition
  - C1-21xxxx\_Updates to KI#4 (vivo)
- 📶 KI5: PLMN selection when a "Disaster Condition" applies
- 📶 KI6: Notification that Disaster Condition is no longer applicable to the UEs
- 📶 KI7: Prevention of signalling overload in PLMNs without Disaster Condition
- 📶 KI8: Prevention of signalling overload by returning UEs in PLMN previously with Disaster Condition

# Potential Solutions

- 🌿 KI1: Notification of Disaster Condition to the UE
  - MINT Solution for KI#1 Notification of Disaster Condition to the UE via Non-3GPP Access, from ZTE
  - C1-210011, from Ericsson
  - C1-21xxxx\_Solution for KI#1, from vivo
- 🌿 KI2: Notification of applicability on Disaster Condition to PLMNs without Disaster Condition
  - C1-210012, from Ericsson, alt 1
  - C1-210013, from Ericsson, alt 2
  - (DP) C1-21XXXX, from Huawei
  - C1-21aaaa, from Huawei
- 🌿 KI3: Indication of accessibility from other PLMNs without Disaster Condition to the UE
  - C1-21cccc, from Qualcomm
  - C1-210014, from Ericsson, alt 1
  - C1-210015, from Ericsson, alt 2
  - C1-21xxxx\_Solution for KI#3, from vivo

# Potential Solutions

- 📶 KI4: Registration to the roaming PLMN without Disaster Condition in case of Disaster Condition
  - C1-210020, from Ericsson
- 📶 KI5: PLMN selection when a "Disaster Condition" applies
  - C1-210016, from Ericsson
  - C1-21xxxx\_Solution for KI#5, from vivo
- 📶 KI6: Notification that Disaster Condition is no longer applicable to the Ues
  - C1-21eeee, from Qualcomm
  - C1-210017, from Ericsson
  - (DP) C1-21XXXX, from Huawei
  - C1-21bbbb, from Huawei, alt 1
  - C1-21cccc, from Huawei, alt 2
  - C1-21xxxx\_Solution for KI#6, from vivo



# Potential Solutions

## KI7: Prevention of signalling overload in PLMNs without Disaster Condition

- C1-21cccc, from Qualcomm
- C1-210021, from Ericsson
- C1-21xxxx\_Solution for KI#7, from vivo

## KI8: Prevention of signalling overload by returning UEs in PLMN previously with Disaster Condition

- C1-21dddd, from Qualcomm
- C1-210018, from Ericsson