**Notes from [FS\_5G\_ProSe\_Ph2] SA2 Conference Call preparing for SA2#154**

NOTE: these notes does not necessarily reflect the discussions correctly.

Participants (please, indicate if I missed someone or got wrong attendance):

Lu Fei

Wen Wang

James Jin

Deng Qiang (CATT)

Martin Hans

LaeYoung - LGE

Sudeep M Vamanan (Apple) (Guest)

David Comstock (Kyocera)

Tingyu Xin - Samsung (Guest)

Steven Wenham (Huawei)

Hietalahti, Hannu (Nokia - FI/Oulu)

Dou Fenghui

Ihab Guirguis

Judy Gan Juying

Hao Dong (ZTE)

Jing Jia - CTC

Michele Zarri [Huawei] (Guest)

Heng Nie (China Telecom)

Hong Cheng

Mehrdad Shariat

SHIEH, HUGH H

Nord, Lars

Bhadauria, Shubhangi (T CED INW-DE)

LGE - Hongsuk Kim

Jung Je Son

Larson, Gregg - Xylem

shengfeng

Achref Methenni

Shan, Chang Hong

Draft agenda:

This CC is to discuss the open issues for KI#7 conclusions.

The following papers are received:

ER\_S2-221xxxx\_ProSe\_ph2\_23700-33\_KI#7updateCon

HW EnrichedDiscoveryWithEmergencyInformation-DiscussionPaper

HW S2-220xxxx 23.700-33 Discussion on emergency service over L2 UE-to-Network Relay

OPPO\_S2-221xxxx\_KI7\_conclusion

S2-22xxxxx\_ProSe\_Ph2\_23700-33\_KI#7\_Concl\_Update\_MTK

S2-220xxxx (23.700-33 KI#7 emergency PDU session)\_V03

S2-220xxxx (23.700-33 KI#7 L2 relay)\_V02

S2-220xxxx (23.700-33 KI#7 L3 relay)

S2-220xxxx\_5G ProSe\_KI#7\_conclusion update\_vivo

It is proposed to use one paper as basis for discussion, but that does not mean other papers need to be merged into this paper. The paper ‘ER\_S2-221xxxx\_ProSe\_ph2\_23700-33\_KI#7updateCon’ is used for discussion.

There are 7 ENs left in the KI#7 conclusions, and these open issues are discussed one by one.

*Editor's note: Whether limited service state applies to Layer-3 Remote UE, and if yes, whether the Remote UE in this case can request emergency service via 5G ProSe Layer-3 Relay is FFS*

The concept of limited services applicability to Remote UE is discussed, and the Relay operation under limited service state is also discussed.

Further discussion is needed, and more clarifications may be needed.

*Editor's note: It is FFS whether the Dedicated RSC(s) are needed for Layer-2 relay and whether a 5G ProSe Layer-2 Relay UE can set its RRC establishment cause to "emergency" when connected from RRC\_IDLE based on the "emergency" RRC establishment cause received from the 5G ProSe Layer-2 Remote UE.*

It seems all agree Emergency RSC is needed for Layer-2 Relay. Whether non-emergency RSC can also be used for emergency services is discussed in some cases, and some questions are raised on this case.

Further discussion on non-emergency RSC for emergency service is needed, and the comments need to be resolved.

*Editor's note: Whether and how PC5 security is used for emergency services is to be determined in the normative phase*

People agree to change this EN to NOTE, and leave the security aspect to SA3. It is preferred no LS to SA3.

The radio resource usage for UE w/o USIM is discussed, and some questions are raised on this case and needs to be further discussed.

*Editor's note: When the L2 Relay UE advertise emergency RSC, whether the L2 Relay needs to check if its serving PLMN supports the relaying of emergency service is FFS*

Whether Relay UE serving PLMN needs to support emergency services is discussed, and it is clarified that it is not mandatory Relay UE serving PLMN to support emergency services but the Relay UE serving PLMN may need to be aware of Relay UE supporting Remote UE emergency service.

*Editor's note: How the 5G ProSe Layer-2 Relay UE's serving AMF get the information that the Relay is involved in emergency service from a Remote UE is FFS.*

Whether Relay UE serving AMF needs to get informed of Relay UE supporting Remote UE emergency service is discussed. Some companies think for Layer-2 Relay, it is RAN responsibility instead AMF to release the NAS signalling, so there is no need for AMF knowing Relay UE supporting Remote UE emergency service. Some companies have different views.

How Relay UE serving AMF get informed of Relay UE supporting Remote UE emergency service is discussed. There cases are discussed, and some issues are identified for case 2 and case 3 which may require RAN involvement. Two options are discussed and need to be further discussed.

*Editor's note: It is FFS if the Remote UE can obtain the local emergency number(s) from the Relay.*

Not discussed due to lack of time.

*Editor's note: It is FFS whether the an emergency PDU Session of Layer-3 Relay UE can be used to transmit the Layer-3 Remote UE's emergency service and the Layer-3 Relay UE's emergency service simultaneously, whether a Remote UEs emergency session should be terminated in favour of an emergency session from the Relay UE or Layer-3 Relay UE is allowed to have 2 emergency PDU sessions (one is for relaying Remote UE emergency services and the other for Relay UE its own emergency services).*

Not discussed due to lack of time.