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Abstract: This document is a draft Recommendation of ITU-T Q.Sig_Req_ETS_IMS_roaming “Signalling requirements for emergency telecommunication service in IMS roaming environment” which was prepared as output of Q3/11 meeting (Virtual, 4-5 November 2020). The output is generated based on the following contribution.

new Abstract (proposal)

This document the baseline text of a new work item Q.Sig_Req_ETS_IMS_roaming “Signalling requirements for emergency telecommunication service in IMS roaming environment”, which was prepared as output of Q3/11 meeting (Virtual, 4-5 November 2020). The output is generated based on the input document DOC2.

No.	Title	Source	Discussion
Q3/11-DOC2 (201104)	Proposal for initiating a new work item on signalling requirements of emergency telecommunication service in IMS roaming environment	China Telecom	Agreed with modifications

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ITU-T Q.Sig_Req_ETS_IMS_roaming

Signalling requirements for emergency telecommunication service in IMS roaming environment

1. Scope

This draft Recommendation addresses the signalling architecture, interfaces and functional description, signalling requirements, signalling procedures and security consideration of Emergency Telecommunication Service (ETS) in IMS roaming architecture over LTE.

Note: the term LTE refers to both LTE and LTE-Advanced in this draft recommendation.

2. References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ETSI TS 123.167] IP Multimedia Subsystem (IMS) emergency sessions

[ETSI TS 123.221] Architectural requirements

3. Definitions

3.1 Terms defined elsewhere

TBD

3.2 Terms defined in this Recommendation

TBD

4. Abbreviations and acronyms

TBD

5. Conventions

TBD

6. Signalling architecture of ETS in IMS roaming environment

This clause describes the signalling architecture of ETS in IMS roaming environment.

6.1. ETS in IMS roaming architecture using LBO

The ETS in IMS roaming architecture using LBO is depicted in Figure 6-1.

10. Security considerations

[Contributor's note: This chapter provides the security mechanism used for the ETS in IMS roaming environment.]

Bibliography

[b-GSMA PRD IR.65]
[b-3GPP TR 23.749]

IMS Roaming, Interconnection and Interworking Guidelines
Study on S8 Home Routing Architecture for VoLTE
