

List of ITU-T documents related to emergency telecommunications

February 2019

ITU/TSB

- Recommendation [ITU-T E.106](#) "International Emergency Preference Scheme for disaster relief operations (IEPS)"
- Recommendation [ITU-T E.107](#) "Emergency Telecommunications Service (ETS) and Interconnection Framework for National Implementations of ETS"
- Recommendation [ITU-T E.108](#) "Requirement for Disaster Relief Mobile Message Service"
- Recommendation [ITU-T E.119](#) "Requirements for safety confirmation and broadcast message service for disaster relief"
- Recommendation [ITU-T E.123 Amendment 1](#) "Notation for national and international telephone numbers, e-mail addresses and Web addresses: Contact information in case of emergency for mobile telephones"
- Recommendation [ITU-T E.161.1](#) "Guidelines to select Emergency Number for public telecommunications networks"
- Recommendation [ITU-T E.164 Supplement 5](#) "Guidance with regard to the selection of numbers for helplines for children"
- Recommendation [ITU-T H.246 Amendment 1](#) "Mapping of user priority level and country/international network of call origination between H.225 and ISUP"
- Recommendation [ITU-T H.248.44](#) "Gateway control protocol: Multi-Level precedence and pre-emption package"
- Recommendation [ITU-T H.248.81](#) "Gateway Control Protocol: Guidelines on the Use of the international emergency preference scheme (IEPS) call indicator and priority indicator in ITU-T H.248 Profiles", including Amd.2 (2015) with support for DiffServ signaling
- Recommendation [ITU-T H.323 Annex M5](#) for transport of common alerting protocol (CAP) messages in ITU-T H.323 systems
- Recommendation [ITU-T H.460.4](#) "Call priority designation and country/international network of call origination identification for H.323 priority calls"
- Recommendation [ITU-T H.460.14](#) "Support for Multi-Level Precedence and Preemption (MLPP) within H.323 Systems"
- Recommendation [ITU-T H.460.21](#) "Message broadcast for H.323 systems"
- Recommendation [ITU-T H.785.0](#) "Digital signage: Requirements of disaster information services"
- Recommendation [ITU-T J.260](#) "Requirements for Emergency/Disaster Communications over IPCablecom Networks"

- Recommendation [ITU-T J.261](#) "Framework for implementing preferential telecommunications in IP-Cablecom and IP-Cablecom2 networks"
- Recommendation [ITU-T J.262](#) "Specifications for authentication in preferential telecommunications over IP-Cablecom2 networks"
- Recommendation [ITU-T J.263](#) "Specification for priority in preferential telecommunications over IP-Cablecom2 networks"
- Recommendation [ITU-T L.390](#) "Disaster management for outside plant facilities"
- Recommendation [ITU-T L.392](#) "Disaster management for improving network resilience and recovery with movable and deployable ICT resource units"
- Recommendation [ITU-T M.3350](#) "TMN service management requirements for information interchange across the TMN X-interface to support provisioning of Emergency Telecommunication Service (ETS)"
- Recommendation [ITU-T P.1140](#) "Speech communication requirements for emergency calls originating from vehicles"
- Signalling for IEPS support in ISUP: ITU-T [Q.761 Amd.3](#), ITU-T [Q.762 Amd.3](#), ITU-T [Q.763 Amd.4](#), and ITU-T [Q.764 Amd.4](#)
- Signalling for IEPS support in BICC: ITU-T [Q.1902.1 Amd.2](#), ITU-T [Q.1902.2 Amd.3](#), [Q.1902.3 Amd.3](#), and [Q.1902.4 Amd.3](#)
- Signalling for IEPS support in CBC: ITU-T [Q.1950 Amd.1 Annex G](#)
- Signalling for IEPS support in ATM AAL2: ITU-T [Q.2630.3 Amd.1](#)
- Signalling for IEPS support in B-ISUP: [ITU-T Q.2762 Amd.1](#), [Q.2763 Amd.1](#) and [Q.2764 Amd.1](#)
- Signalling for IEPS support in DSS2: ITU-T [Q.2931 Amd.5](#)
- Recommendation [ITU-T X.1303](#) "Common Alerting Protocol (CAP V1.1)"
- Recommendation [ITU-T X.1303 bis](#) "Common Alerting Protocol (CAP V1.2)"
- Recommendation [ITU-T Y.2074](#) "Requirements for Internet of Things devices and operation of Internet of Things applications during disaster"
- Recommendation [ITU-T Y.1271](#) "Framework(s) on network requirements and capabilities to support emergency communications over evolving circuit-switched and packet-switched networks"
- Recommendation [ITU-T Y.2171](#) "Admission control priority levels in Next Generation Networks"
- Recommendation [ITU-T Y.2172](#) "Service restoration priority levels in Next Generation Networks"
- Recommendation [ITU-T Y.2205](#) "Next Generation Networks - Emergency Telecommunications – Technical Considerations"
- Recommendation [ITU-T Y.2222 | Y.4250](#) "Sensor control networks and related applications in a next generation network environment"

- Recommendation [ITU-T Y.2705](#) "Minimum security requirements for interconnection of emergency telecommunications service (ETS)"
- Recommendation [ITU-T Y.4119](#) "Requirements and capability framework for IoT-based automotive emergency response system"

In addition to these Recommendations, there are the following non-normative publications:

- [Supplement 5 to Recommendation ITU-T E.164](#) "Guidance with regard to the selection of numbers for helplines for children"
- [Supplement 9 to ITU-T H-Series Recommendations](#), "Gateway Control Protocol: Operation of H.248 with H.225.0, SIP, and ISUP in Support of Emergency Telecommunications Service (ETS)/International Emergency"
- [Supplement 12 to ITU-T H-series Recommendations](#) "Gateway control protocol: Priority traffic treatment by ITU-T H.248 gateways"
- [Supplement 35 for ITU-T L-series Recommendations](#) "Framework of disaster management for network resilience and recovery"
- [Supplement 47 to ITU-T Q-series Recommendations](#), "Emergency services for IMT-2000 networks – Requirements for harmonization and convergence"
- [Supplement 53 to ITU-T Q-series Recommendations](#) "Signalling requirements to support the International Emergency Preferential Scheme (IEPS)"
- [Supplement 57 to ITU-T Q-series Recommendations](#) "Signalling Requirements to support the Emergency Telecommunication Service (ETS) in IP Networks"
- [Supplement 61 to ITU-T Q-series Recommendation](#) "Evaluation of signalling protocols to support Y.2171 admission control priority levels"
- [Supplement 62 to ITU-T Q-series Recommendations](#) "Overview of the work of standards development organizations and other organizations on emergency telecommunications service". A revision of this document was approved by ITU-T SG 11 in February 2014.
- [Supplement 63 to ITU-T Q-series Recommendations](#) "Signalling protocol mappings in support of the Emergency Telecommunications Service in IP networks" approved by ITU-T SG 11 in June 2013.
- [Supplement 68 to ITU-T Q-series Recommendations](#) "Emergency Telecommunications Service (ETS) interoperability limitations" approved by ITU-T SG 11 in December 2015.
- [Supplement 69 to ITU-T Q-series Recommendations](#) "Framework for interconnection between VoLTE-based network and other networks supporting emergency telecommunications service (ETS)"
- [Supplement 19 to ITU-T Y-series Recommendations](#) "Risk analysis service over Next Generation Network"
- Publication in three parts on using submarine cables for climate monitoring and disaster warning (2012): "[Opportunities and legal challenges](#)", "[Strategy and roadmap](#)" and "[Engineering Feasibility Study](#)"

- Technical Paper [HSTP-DIS-UAV \(2018\)](#) "Use cases and service scenarios of disaster information service using unmanned aerial vehicles"

In the near future, it is expected that a number of new Recommendations and Supplements are planned to be approved and agreed accordingly. Currently the following work items are in the pipeline:

- Draft new ITU-T [E.TD-DR](#) "Terms and definitions for DR&NRR"
- Draft new ITU-T [E.sup.fdr](#) "Framework of disaster management for disaster relief system"
- Draft new ITU-T [Q.ETN-DS](#) "Signalling architecture of the fast deployment emergency telecommunication network to be used in a natural disaster"
- Draft revised ITU-T [H.785.0](#) "Digital signage: Requirements for disaster information services"
- Draft new ITU-T [H.MD-DiDRR](#) "Profile metadata for persons with specific needs as part of disability-inclusive disaster risk reduction"
- Draft new ITU-T [Q.suppl.ETS Multi Access](#) "Signalling requirements for IMS emergency telecommunications service in support of multiple accesses"
- Draft new ITU-T [Q.suppl.Multi Device ETS](#) "Signalling requirements for VoLTE-based network and GSM/UMTS network supporting Multi-device emergency telecommunications service"
- Draft new ITU-T [X.fstiscv](#) " Framework of security threat information sharing for connected vehicles"
- Draft new ITU-T [X.itssec-2](#) "Security guidelines for V2X communication systems"
- Draft new ITU-T [Y.AERS-msd](#) "Minimum set of data structure for automotive emergency response system"
- Draft new ITU-T [Y.AERS-mtp](#) "Minimum set of data transfer protocol for automotive emergency response system"
- Draft new ITU-T [Y.smart-evacuation](#) "Framework of smart evacuation during emergencies in smart cities and communities"
- Draft new ITU-T [Y.disaster notification](#) "Framework of the disaster notification of the population in smart cities and communities"