



International Telecommunication Union

# Role of ITU in Emergency Telecommunications

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# ITU Overview

- **UN specialized agency focusing on development of telecommunication networks and services worldwide**
- **140 years old**
- **189 Member States; 700 Sector Members**
- **Around 700 staff/83 nationalities**
- **Headquarters at Geneva**
- **Asia-Pacific regional/area offices in Bangkok and Jakarta**
- **website: <http://www.itu.int>**



# ITU Functions

- **ITU-Radiocommunications Bureau (ITU-R)**
  - Radiocommunication standardization and global radio spectrum management
- **ITU-Standardization Bureau (ITU-T)**
  - International telecoms standardization – network and service aspects
- **ITU-Development Bureau (ITU-D)**
  - Assisting implementation and operation of telecommunications in developing countries



# Disaster Preparedness Through Standards (by ITU-T)

- Standards for public telecommunication services
- International Emergency for Preference Scheme for Disaster Relief (Recom. E.106)



- Global network security
- Interoperability of telecom networks





# Disaster Mitigation Through Radiocommunication (by ITU-R)

- Spectrum management
- Establishment of globally/regionally harmonized frequency bands
- Application of amateur and amateur-satellite services (Rec. M.1042-2)
- Support to emergency broadcasting, maritime and public safety signals





# Preparedness and Response Through ICT Development (by ITU-D)

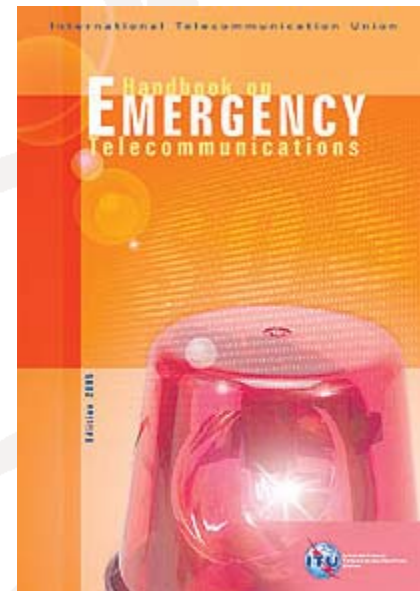
- Legal and regulatory issues (Tampere + GSR)
- Universal access (early warning)
- Capacity building (preparedness)
- Relief (response)
- Reconstruction
- Partnerships (e.g. Inmarsat, WGET, OCHA, IARU, Rohde & Schwarz)





# ITU-D Initiatives

- Project of rehabilitation and reconstruction of telecommunication infrastructure in earthquake/tsunami-hit areas:
  - Maldives
  - Indonesia
  - Sri Lanka
  - Bangladesh
- Handbook on Emergency Telecommunications  
[www.itu.int/itu-d/emergencytelecoms](http://www.itu.int/itu-d/emergencytelecoms)



# THANK YOU

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