



Training course outline

Environment and Emergency Telecommunications Division, ITU

Title	An introduction to Developing National Emergency Telecommunication Plans (NETPs)
Modality	Online self-paced
Dates	23 January – 31 December 2023
Duration	The course is estimated to take approximately 4.5 hours to complete.
Registration deadline	22 December 2023
Training fees	Free
Description	<p>The purpose of this course is to provide the tools to develop National Emergency Telecommunication Plans (NETPs), tailored to the specific needs of every country and following the multi-hazard, multi-technology, multi-phase and multi-stakeholder principles.</p> <p>The course provides a step-by-step process to develop an NETP and specific recommendations on a broad set of topics, beginning with the description of the phases of disaster management and how telecommunication/ICT will be supported/enabled in each of these phases; coordination with the national disaster risk management plan; overall risk for telecommunication/ICT infrastructure and contingency planning; administrative structure and governance; legislations and regulations on telecommunication/ICT; international treaties and cooperation agreements; training and capacity building; among others. At the end of this e-learning course participants should be able to develop an NETP for their country and provide recommendations on next steps to implement the Plan.</p>
Code	23OS100133MUL-E

1.LEARNING OBJECTIVES

The course is aimed at providing information on how to develop National Emergency Telecommunications Plans through a multi-stakeholder approach including all phases of disaster management.

2. LEARNING OUTCOMES



At the end of this course, you will have the basic knowledge to develop an NETP tailored to the needs of your country, coordination challenges, and planned resiliency requirements, with an understanding of the overall risks for telecommunication/ICT infrastructure and contingency planning.

3.TARGET POPULATION

The target audience of the course are national authorities responsible for the development and implementation of the NETP, although it can be a useful resource for any person or organization generally involved in disaster risk management or in the administration of telecommunication and ICTs during emergencies.

4.ENTRY REQUIREMENTS

There are no entry requirements, this course is free and open to all.

5.TUTORS/INSTRUCTORS

Name of tutor(s)/instructor(s)	Contact details
Environment and Emergency Telecommunications Division, ITU	eetmail@itu.int

6.TRAINING COURSE CONTENTS

Module 1: Introduction

Timing: It will take around 40 minutes to complete this module.

The module will consist of the following:

- Course overview
- Types of disaster and statistics
- Impact on Telecommunication & Information and Communication Technology (ICT) infrastructure
- Four phases of disaster management
- Module 1 quiz

Module 2: Developing an NETP

Timing: It will take around 1 hour to complete this module.

The module will consist of the following:

- What is a National Emergency Telecommunication Plan (NETP) and why is it important?
- Principles for developing an NETP
- Content within an NETP
- NETP drafting process and periodic review
- Challenges to developing an NETP
- Recommendations for inclusion of vulnerable people in the NETP
- Module 2 quiz



Module 3: Telecommunication & ICT Legislation and Regulation for Disaster Risk Management

Timing: It will take around 1 hour to complete this module.

The module will consist of the following:

- Legal and regulatory framework
- Administrative structure and governance model
- Standard Operating Procedures (SOP)
- International cooperation and treaties
- Laws and regulations
- Module 3 quiz

Module 4: Four Phases of Disaster Risk Management

Timing: It will take around 40 minutes to complete this module.

The module will consist of the following:

- Vulnerability and risk analysis of telecommunication and ICT networks
- Monitoring, early warning and altering systems
- Common Alerting Protocol (CAP)
- Module 4 quiz

Module 5: Capacity Building, Training, Drills and Support

Timing: It will take around 30 minutes to complete this module.

The module will consist of the following:

- Importance of capacity building, training and drills
- Training Ladder
- Module 5 quiz

Module 6: The role of regulation in emergency communications and telecom/ICT contingency planning

Timing: It will take around 45 minutes to complete this module.

The module will consist of the following:

- Impacts on telecommunication infrastructure
- Why are emergency telecoms/ICTs critical?
- What should the telecom/ICT regulator do?
- Contingency planning in the context of a pandemic

7.METHODOLOGY (Didactic approach)



This is an online self-paced training where learning is supplemented using downloadable course resources and materials that will allow the development of an NETP for their country. At the end of each module, learners can test their knowledge through a quiz. The online training consists of numerous interactive elements, case studies and module summaries throughout the course. E-mail based content and technical support is available to learners.

8.EVALUATION AND GRADING

Learners can put their knowledge to the test by taking a quiz after completion of each module. The quiz will only become available after completion of the associated module. Participants will receive a badge certifying successful completion if the course was passed at 60% or higher which can be used on social media or their LinkedIn profile.

9.TRAINING COURSE COORDINATION

Course coordinator: Name: Emergency Telecommunications Division, International Telecommunication Union Email address: eetmail@itu.int	ITU coordinator: Name: Mr. Haidar Baqir Email address: haidar.baqir@itu.int
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