|  |  |
| --- | --- |
| **电信标准化局** | **logo_C_** |
|  |  |

2010年9月29日，日内瓦

|  |  |  |
| --- | --- | --- |
| 文号：  电话：  传真： | **电信标准化局第142号通函**  COM 15/GJ  +41 22 730 6356 +41 22 730 5853 | - 致国际电联各成员国主管部门  - ITU-T部门成员；  - ITU-T部门准成员； |
| 电子  邮件： | [tsbsg15@itu.int](mailto:tsbsg15@itu.int) | **抄送：**  - 第15研究组正副主席；  - 电信发展局主任；  - 无线电通信局主任 |

|  |  |
| --- | --- |
| 事由： | **关于“保护户外电力设施免遭自然灾害破坏的技术考虑”的问卷调查表** |

尊敬的先生/女士：

1 第15研究组在其上一次会议（2010年5月31-6月11日，日内瓦）做出决定，在第17/15号课题（光缆网的维护和操作）所开展研究的框架内，制作关于保护户外电力设施免遭自然灾害破坏的技术考虑的问卷调查表。应最迟于**2010年12月14日**前将答复寄给L.tcsop建议书“保护户外电力设施免遭自然灾害破坏的技术考虑”的撰稿人。

2 据报道，地震和洪水等自然灾害比以往任何时候都更加频繁。检查井和电线杆等户外电力设施可能会遭到自然灾害的破坏。由于户外电力设施负责维继电信服务，所以应能够承受恶劣的环境条件。ITU**-**T L.tcosp建议书“保护户外电力设施免遭自然灾害破坏的技术考虑”草案概述有关保护户外电力设施免遭自然灾害破坏的技术考虑。

ITU‑T L.tcosp建议书草案的目的在于在国际层面分享意见、知识、经验和做法，以便本地工程实践能进行调整，提高户外电力设施的抗灾性能。为此制作了附件1的问卷调查表，收集各国的设计规范或指导原则等材料。

ITU-T L.tcosp建议书草案中定义的户外电力设施包括通信电缆及相关硬件（电缆隧道、地下管道、检查井、电线杆、塔、机柜等）。电信大楼（包括室内设施）不在此范围内。

3 应最迟于**2010年12月14日**前将本问卷的答复寄给撰稿人（同时抄送电信标准化局，电子邮件地址为：[tsbsg15@itu.int](mailto:tsbsg15@itu.int)），以便在向ITU-T成员提出建议书草案之前完成数据处理和分析。撰稿人的联系方式为：

Kim Hyung-Woo先生  
KT Central R&D Laboratories.  
17 Woomyeon-dong, Seocho-gu,  
Seoul, Korea, 137-792

电子邮件：[hyungwoo@kt.com](mailto:hyungwoo@kt.com)

电话：+82 2 526 5087  
传真：+82 2 526 5522

可**通过电子邮件或传真**发回表格。

4 请确保您的回复尽量准确，并在截止日期前寄达上述撰稿人。

顺致敬意!

电信标准化局主任  
 马尔科姆•琼森

**附件：**1件

ANNEX 1(to TSB Circular 142)

Questionnaire

“Technical considerations on protecting outside plant facilities from natural disasters”

This questionnaire should be completed and returned to the editor (copy to [tsbsg15@itu.int](mailto:tsbsg15@itu.int)) by **14 December 2010**. Answers by electronic means would be highly appreciated.

The editor's contact details are:

|  |  |
| --- | --- |
| Mr. Kim Hyung-Woo KT Central R&D Laboratories. 17 Woomyeon-dong, Seocho-gu, Seoul, Korea, 137-792 | Email: [hyungwoo@kt.com](mailto:hyungwoo@kt.com)  Tel: +82 2 526 5087 Fax: +82 2 526 5522 |

Questionnaire completed by:

|  |  |
| --- | --- |
| Name: | Tel: |
| Organization: | Fax: |
| Country: | Email: |
| Address: | |

***Please select the most suitable answer to the following questions.***

***If you select “other”, please add a corresponding comment.***

1. General questions
   1. Has your country experienced natural disasters which directly affected outside plant facilities?

( ) Yes

( ) No

* 1. Has your country experienced communication service interruption due to the failure of outside plant facilities?

( ) Yes

( ) No

* 1. Which of the following natural disasters have occurred most frequently?

( ) Earthquake

( ) Flash floods / floods

( ) Forest fires

( ) Hurricanes / tornados / typhoons / wind storms

( ) Landslides

( ) Severe cold, snow, ice or heat

( ) Other ( )

* 1. Which of the following natural disasters have been most destructive in your country? (multiple choices available)

( ) Earthquake

( ) Flash floods / floods

( ) Forest fires

( ) Hurricanes / tornados / typhoons / wind storms

( ) Landslides

( ) Severe cold, snow, ice or heat

( ) Other ( )

1. Present state
   1. Does your country have national standards or guidelines for protecting outside plant facilities?

( ) Yes

( ) No

* 1. If you answered “Yes” to the above question, which of the following natural disasters have them? (multiple choices available)

( ) Earthquake

( ) Flash floods / floods

( ) Forest fires

( ) Hurricanes / tornados / typhoons / wind storms

( ) Landslides

( ) Severe cold, snow, ice or heat

( ) Other ( )

* 1. If you answered “No” to Question 2.1, does your country need a Recommendation to keep outside plant facilities stable and reliable?

( ) Yes

( ) No

* 1. If you answered “No” to Question 2.1, which of the following outside plant facilities should be considered with priority?

( ) Cables / closures

( ) Poles

( ) Towers

( ) Manholes, handholes and conduits

( ) Cable tunnels

( ) Other ( )

1. Technical considerations
   1. Earthquakes
      1. If your country has national standards or guidelines for protecting outside plant facilities from earthquakes, please provide their names or references (e.g., New Equipment Building System (NEBS) Requirements (2000), Physical Protection (GR-63-CORE), Issue 2, April).

|  |
| --- |
|  |

* + 1. If your country has national standards or guidelines for outside plant facilities, are they compulsory or optional?

( ) Compulsory

( ) Optional

( ) Depends on the facilities (e.g., compulsory at cable tunnels)

* + 1. Does your country have countermeasures to mitigate or withstand against earthquake damage? If you have, please describe them. (e.g. installing flexible joints between manholes and conduits, or increasing the strengths of materials)

|  |
| --- |
|  |

* 1. Flash floods / floods
     1. Does your country have technical considerations to protect outside plant facilities such as manholes or cable tunnels from floods?

( ) Yes

( ) No

* + 1. If you answered “Yes” to Question 3.2.1, please provide their names or references.

|  |
| --- |
|  |

* + 1. If you answered “Yes” to Question 3.2.1, please describe them. (e.g., making manholes water-tight, or installing water pump in the cable tunnel)

|  |
| --- |
|  |

* 1. Forest fires
     1. Does your country have technical considerations to protect outside plant facilities from forest fires?

( ) Yes

( ) No

* + 1. If you answered “Yes” to Question 3.3.1, please provide their names or references.

|  |
| --- |
|  |

* + 1. If you answered “Yes” to Question 3.3.1, please describe them. (e.g., installing fire detecting systems, or protecting with non-flammable or fire-retarding materials)

|  |
| --- |
|  |

* 1. Hurricanes / tornados / typhoons / wind storms
     1. Does your country have technical considerations to protect poles and/or towers from strong winds?

( ) Yes

( ) No

* + 1. If you answered “Yes” to Question 3.4.1, please provide their names or references.

|  |
| --- |
|  |

* + 1. If you answered “Yes” to Question 3.4.1, please describe them. (e.g., bracing or guying when the wind speed exceeds 50 m/s)

|  |
| --- |
|  |

* 1. Landslides
     1. Does your country have technical considerations to protect outside plant facilities from landslides?

( ) Yes

( ) No

* + 1. If you answered “Yes” to Question 3.5.1, please provide their names or references.

|  |
| --- |
|  |

* + 1. If you answered “Yes” to Question 3.5.1, please describe them. (e.g., increasing the slope’s stability or keeping away from landslide-prone area)

|  |
| --- |
|  |

* 1. Severe cold, snow, ice or heat
     1. Does your country have technical considerations to protect outside plant facilities from severe cold, snow, ice or heat?

( ) Yes

( ) No

* + 1. If you answered “Yes” to Question 3.6.1, please provide their names or references.

|  |
| --- |
|  |

* + 1. If you answered “Yes” to Question 3.6.1, please describe them. (e.g., installing HVAC (heating, ventilating and air conditioning))

|  |
| --- |
|  |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_