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| **电信标准化局** | **logo_C_** |
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 2011年5月11日，日内瓦

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| 文号：电话：传真： | **电信标准化局第173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；- ITU-T学术成员； |
| 电子邮件： | 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“利用全球定位系统（GPS），开发一种参考网络地图”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（2011年2月14-25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，以便设计这份与利用全球定位系统（GPS），开发一种参考网络地图相关的问卷调查表。在开始该项目之前，L.gpsm的编辑希望收集有关此类程序的意见、信息和经验。

2 请最迟在2011年6月30日之前将本问卷的回复寄送给编辑（同时抄送电信标准化局），以便在第15研究组下一次会议（2011年12月5-16日，日内瓦）之前完成数据处理和分析。编辑的联系方式如下：

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| Edoardo Cottino先生 | 电话：+39 02 9588 5145 |
| SIRTI S.p.A. | 传真：+39 335 6426751 |
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可**通过电子邮件**返回表格。如表中预留的篇幅不够，必要时可自行加页。感谢您的合作。请您确保相关回复尽量准确，并在截止日期前送达上述编辑。

顺致敬意！

电信标准化局主任

马尔科姆•琼森

**附件**：1件

ANNEX(to TSB Circular 173)

Questionnaire

**Introduction to Questionnaire on
“Use of the global positioning system (GPS) to create a referenced network map”**

This questionnaire should be completed and returned to the editor (copy to tsbsg15@itu.int) by **30 June 2011**. Answers by electronic means would be highly appreciated.

The editor's contact details are:

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| Mr. Edoardo CottinoSIRTI S.p.A.Via Stamira d’Ancona n. 9, Milan20127, ITALY | Tel: +39 02 9588 5145 +81-29-868-6141Mobile: +39 335 6426751 +81-29-868-6142Email: e.cottino@sirti.it  |

Questionnaire completed by:

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

***Please select and/or add the most suitable answer to the following questions.***

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

1. General questions
	1. Do you already have a georeferenced map of your network?

 ( ) Yes

 ( ) No

 If your answer is no, do you want to create a georeferenced network map in digital format?

 ( ) Yes

 ( ) No

* 1. Is your georeferenced map predominantly in digital or paper format (exclusively, or as a percentage)?

 ( ) Digital

 ( ) Paper

1. Telecommunication infrastructure (duct, cable, optical closure and optical cabinet, etc)
	1. What information would you visualize on your georeferenced map?

 ( ) The cable routing and the kind of the infrastructure

 ( ) The length of each section

 ( ) The owner of each section

 ( ) The status (empty, occupied duct, the number of cables inside the duct, optical closure and optical cabinet, etc.)

 ( ) The year of installation

 ( ) The dimensions of the duct, cable, optical closure and optical cabinet, etc.

 ( ) The number of ducts

 ( ) The number and the kind of the cable inside the duct

 ( ) Distribution point (as described in Recommendation ITU-T L.65)

 ( ) Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. When visualizing the telecommunication infrastrustructure (duct, mini-duct and cable), which elements of the network do you want to visualize on your map (e.g., poles, manholes, handholes, optical closures and optical cabinets, etc.)?

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1. Software
	1. If you have a network map in digital format, what kind of software do you use in order to visualize your map (e.g., CAD software)?

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* 1. Do you (want to) visualize your map both in a geographical information system (GIS) and in another format (e.g., using CAD software)?

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1. Global positioning system
	1. Do (will) you use the global positioning system (GPS) in order to georeference your network elements (elevation, longitude, latitude)?

 ( ) Yes

 ( ) No

 Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. What kind of GPS system do (will) you use for georeferencing network elements (commercial GPS, assisted GPS, differential GPS)?
	2. What precision do you require in your georeferenced coordinates ( < 5 cm, 5 cm to 1 m, > 1 m)?
1. Collected information
	1. What would you show on your georeferenced maps?

( ) Only the position and name of the network element

( ) Position, name and status (new, old, to be changed) of the network element

( ) Position, name, status and additional information

Indicate what information you would visualize\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Should the georeferenced network map show only the infrastructure or should it describe the process of maintenance (scheduled times for periodic maintenance and the status of the maintenance action)?
1. Procedure
	1. What is your procedure to create the network cartography?

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* 1. Do you already use personal digital assistants (PDAs) for your network maintenance support system?

( ) Yes

( ) No

* 1. If you answered “Yes” to the above question, do you use a PDA compliant to Recommendation ITU-T L.69?

( ) Yes

( ) No

* 1. Would you up-date your georeferenced map in real time?

( ) Yes

( ) No

* 1. Would you georeference both outdoor network elements and indoor elements?

( ) Only outdoor

() Both

* 1. If you answered “Both” to the previous question, is it sufficient for you georeferencing the building in which the indoor elements are installed?

( ) Yes

( ) No

* 1. What it the mean time between updating the status of your network elements?

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1. Local and remote database
	1. Should the georeferencing system be a web-based application?
	2. When collecting network elements in your server database (“remote database”), do you also want collect information on the network element (“in-field database”), as is it described in Recommendation ITU-T L.64?
	3. Do you require the possibility to choose the central office area only to visualize the network elements, or is it sufficient to always visualize all elements?

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