

ANNEX 2

AD-HOC QUESTIONNAIRE

INFORMATION ON COVERAGE TO BE SENT ICP-ANACOM PURSUANT TO PARAGRAPH 11.2 OF TITLE No. 01/2012

This request is made by ICP-ANACOM in exercise of the powers and responsibilities set out in point n) of paragraph 1 of article 6 of its Statutes, approved in annex to Decree-Law no. 309/2001 of 7 December, under the terms of article 108 and for the purposes laid down in point c), paragraph 1 of article 109, and also pursuant to article 27, paragraph 1, point s) all of Law no. 5/2004 of 10 February, as amended by Law no. 51/2011 of 13 September.

The questionnaire has two parts:

- Part A: Information on coverage in relation to services of voice and data up to 9600 bps.
- Part B: Items to be submitted in order to support the results of coverage, in relation to the service of voice and data up to 9600 bps, as reported in Part A of the questionnaire.

This information is to be sent by Optimus to ICP-ANACOM no later than 60 working days following the renewal date of the rights of use of frequencies set out in Part III, Chapter I, paragraph 9.1, paragraph a) of ICP-ANACOM title no. 01/2012.

Identification of the responding company:

Company contact person:

Name: _____

Telephone contacts: _____

Fax: _____

E-mail: _____

PART A

Information on coverage in relation to the services of voice and data up to 9600 bps prevailing as on 17 May 2012

INDICATOR 1 - TOTAL POPULATION COVERED ON 17 MAY 2012

TOTAL NATIONAL POPULATION (In thousands)²	TOTAL POPULATION COVERED ON 17 MAY 2012 (in %)¹	Indication of the technology(ies)/band(s) relevant to assessment of population coverage

¹ As a reference, use is to be made of the Census which, on the reference date of the information, is the most recent Census published by Instituto Nacional de Estatística (Statistics Portugal). Annual estimates of resident population should be used which, on the reference date of the information, are the most recently published by Instituto Nacional de Estatística (Statistics Portugal) (based on the most recent Census).

² This indicator refers to the population covered (considering coverage in outdoor spaces), in thousands of inhabitants, compared to the total national population.

INDICATOR 2 - TOTAL POPULATION COVERED PER MUNICIPALITY AS ON 17 MAY 2012

LIST OF MUNICIPALITIES	POPULATION BY MUNICIPALITY (thousands of inhabitants)³	POPULATION COVERAGE BY MUNICIPALITY AS ON 17 MAY 2012 (In %)⁴	Indication of the technology(ies) /band(s) relevant to assessment of population coverage <u>in each municipality</u>
Municipality A			
Municipality B			
Municipality C			
Municipality			

³ As a reference, use is to be made of the Census which, on the reference date of the information, is the most recent Census published by Instituto Nacional de Estatística (Statistics Portugal). Use is to be made of the annual estimates of resident population in each municipality, on the reference date of the information, as most recently published by Instituto Nacional de Estatística (Statistics Portugal) (based on the most recent Census).

⁴ This indicator corresponds, per each municipality to, the population covered (considering coverage in outdoor spaces), in thousands of inhabitants, compared to total population of the same municipality.

INDICATOR 3 - TOTAL POPULATION COVERED AS ON 17 MAY 2012
PER LOCALITY WITH OVER 10,000 INHABITANTS

LIST OF LOCALITIES WITH MORE THAN 10,000 INHABITANTS IN EACH MUNICIPALITY ⁵		POPULATION PER LOCALITY WITH MORE THAN 10,000 INHABITANTS (In thousands of inhabitants) ⁶	POPULATION COVERED PER LOCATION AS ON 17 MAY 2012 (In %) ⁷	Indication of the technology(ies) /band(s) relevant to assessment of population coverage <u>in each place with over 10,000 inhabitants</u>
Municipality A	Locality 1			
	Locality 2			
	Locality 3			
	Locality ---			
Municipality B	Locality 1			
	Locality 2			
	Locality 3			
	Locality ---			
Municipality ...	Locality 1			
	Locality 2			
	Locality 3			
	Locality ---			

⁵ Definition of "locality": Population cluster with 10 or more residential dwellings and to which a distinct place name is attached, irrespective of whether it belongs to 1 or more parishes (Source: INE - Instituto Nacional de Estatística (Statistics Portugal) - Manual de Procedimentos da Construção da Base Geográfica de Referência de Informação (Manual for Constructing the Information Reference Geographical Database) 2001). Note: In the event of difficulty in clearly identifying the locality's boundaries, the continuity of the built-up area must be considered, i.e., that no building is separated by more

than 200 m from its nearest neighbour. In the assessment of these criteria, discontinuity of the built-up area caused by transport links, football pitches, courtyards, gardens, etc., is not considered (This note was added to the concept on 21 February 2002, in accordance with the recommendation of the "Manual de Procedimentos da Construção da BGRI de 2001" (2001 Procedure Manual for Constructing the Information Reference Geographical Database).

⁶ As reference, use is to be made of the Census which, on the reference date of the information, is the Census most recently published by Instituto Nacional de Estatística (Statistics Portugal). Use is to be made of the annual estimates of resident population in each locality with over 10,000 inhabitants which, on date of the information, are those most recently published by Instituto Nacional de Estatística (Statistics Portugal) (based on the most recent Census).

⁷ This indicator corresponds, per each "locality with over 10,000 inhabitants", to the population covered (considering coverage in outdoor spaces), in thousands of inhabitants, and compared to total population of the same "locality".

PART B

Items supporting the results of coverage in relation to the services of voice and data up to 9600 bps, as reported in Part A of the questionnaire

In addition to the response to Part A of the questionnaire, your company is required to send ICP-ANACOM a description of the coverage in outdoor spaces using maps at appropriate scales (at a minimum corresponding to 1:1 500 000). Indication must be given of the assumptions and methodology used to scale the coverage, with indication given, as a minimum, of the following items:

- Maps used in the calculations, including population maps;
- Propagation models;
- Indication, if applicable, of benchmarking measures performed in the calibration of the propagation models used;
- Sensitivity by service;
- Configuration and types of antenna used including diagrams of typical radiation;
- Link budget(s);