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## MULTI-BAND AUCTION REGULATION

By determination dated 17 May, the *Autoridade Nacional de Comunicações* (ANACOM) approved and submitted to public consultation the draft Auction Regulation for allocation of frequency usage rights in the 450, 800, 900, 1800 MHz and the 2.1 and 2.6 GHz bands. Interested parties are asked to submit comments until 2 May, preferably by email to

[regul-consulta-leilao-multifaixa@anacom.pt](mailto:regul-consulta-leilao-multifaixa@anacom.pt). This project follows on the draft decision adopted on the same dated and submitted to consultation until 19 April, on limiting the number of usage rights to allocate in those frequencies, which identifies auctioning as the most suitable procedure for allocating those usage rights. (+)

## 2011 ANACOM CONFERENCE - 6 OCTOBER

The fifth international conference organised by ANACOM will be held at Lisbon's Belém Cultural Centre on 6 October, with the theme topic of "Postal Service Liberalisation: year one", given that 2011 marks the start of total liberalisation of postal

service in the European Union, which is particularly important for the communications sector. Participation in the conference is free and open to all, though subject to prior online registration until 4 October. (+)

## PUBLIC CONSULTATIONS

### CALCULATION OF THE PTC CAPITAL COST RATE

ANACOM approved last 7 April and submitted to public consultation the draft decision on revising the capital cost rate of PT Comunicações (PTC), applicable to financial years 2010 and 2011. Interested parties are asked to submit comments until 26 May, preferably by email to [consulta.ccapital@anacom.pt](mailto:consulta.ccapital@anacom.pt). (+)

### MOBILE TERMINATION COSTING MODEL

ANACOM launched last 18 March a consultation on the methodological definition regarding the development and implementation of a mobile termination costing model. The deadline for receiving comments is 13 May; same should preferably be sent by email to [consulta.mtr@anacom.pt](mailto:consulta.mtr@anacom.pt). In the scope of this consultation, a decision was made to hold a discussion session, scheduled for 13 April. (+)

### NFAP 2010-2011

ANACOM decided last 31 March to extend for ten more working days the deadline for interested parties to comment in the scope of the general consultation procedure for the 2010/2011 version of the National Frequency Allocation Plan (NFAP). Comments can thus be sent in until 11 May, preferably by email to [consulta.qnaf@anacom.pt](mailto:consulta.qnaf@anacom.pt). (+)

### UNIVERSAL SERVICE - PUBLIC PAYPHONES

The launch of a public consultation on provision of public payphone service in the scope of universal service was also approved on 18 March. The deadline for receiving comments is 20 April. Same should preferably be sent by email to [consultapostospublicos@anacom.pt](mailto:consultapostospublicos@anacom.pt). (+)

# COMMUNICATIONS IN PORTUGAL

## NEWS

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### ANACOM SEMINARS - PRESENTATIONS

The presentation on "Spectrum Auctions: theory and practice" given by Fernando Branco, professor at the Portuguese Catholic University, at the 30<sup>th</sup> Seminar of the Autoridade Nacional de Comunicações (ANACOM) on 5 April in Lisbon, is available for consultation. This presentation is the sole responsibility of the author and neither commits nor binds ANACOM to any position. (+)

ANACOM has also posted online the presentation on "Regulatory Remedies to Mitigate Asymmetric VAT-Exemptions", assured by Urs Trinkner, senior associate researcher and lecturer at the Faculty of Economics at Zurich University, submitted for the 29<sup>th</sup> meeting of the ANACOM Seminars series, held in Lisbon last 21 March. This presentation is also the sole responsibility of its author. (+)

### ANACOM PUBLIC SPEECHES

ANACOM chairman José Amado da Silva took part in the seminar on "Regulation in Brazil, POR-REG and the Analysis of Regulatory Impact: a tool to improve regulatory quality" held on 23 March by the Study Centre of the Superior Technical Institute, and led discussions at the event. The ANACOM chairman also opened the workshop on "Do You Trust in your Network? Security dividend & cloud computing", organised by the Portuguese Association for the Development of Communications (APDC) and held on 30 March in Lisbon, during which a presentation was also given by ANACOM's director of communications security, Manuel Barros. José Amado da Silva also spoke at the 14<sup>th</sup> co-ordination meeting with the Brazilian regulator (ANATEL) on 11 April and at the 3<sup>rd</sup> General Assembly of the Association of Communications and Telecommunications Operators from the Portuguese Language Countries (ARCTEL-CPLP) on 13-14 April, events held in Sintra outside Lisbon. ANACOM also took part in the person of board member José Ferrari Carreto in the 2<sup>nd</sup> Lusophone Communications Forum, held on 14-15 April also in Sintra.

### ADMINISTRATIVE OFFENCE CASES

As NVIASMS PORTUGAL, Lda., was found to be providing a value-added service based on SMS (VAS-SMS), whose informative messages did not correctly identify the service provider

and were incomplete with respect to the nature of the service being provided, it was punished with an reprimand. The company was notified of the decision and appealed on 18 February.

Also for failing to comply with legal requirements associated to the provision of VAS-SMS, specifically the failure to identify in the sent informative messages the service provider, the nature of the service to provide, the total price of the service, the price of each message to receive and the way to cancel the contract, SEND IT - Software e Serviços para Telecomunicações, S.A., was fined the amount of 15,000 euros. The company was notified of the decision and filed an appeal on 21 February.

The failure to comply with legal requirements associated to the provision of VAS-SMS likewise led to a 15,000 euro fine being applied to TOTAL TIM - Serviços de Telecomunicações Móveis e Afins, Unipessoal, Lda. The company was notified of the decision and filed an appeal on 13 January.

Due to the failure to comply with the same legislation, Ericsson Telecomunicações, S.A., was fined 7,500 euros, which the company paid on 24 January.

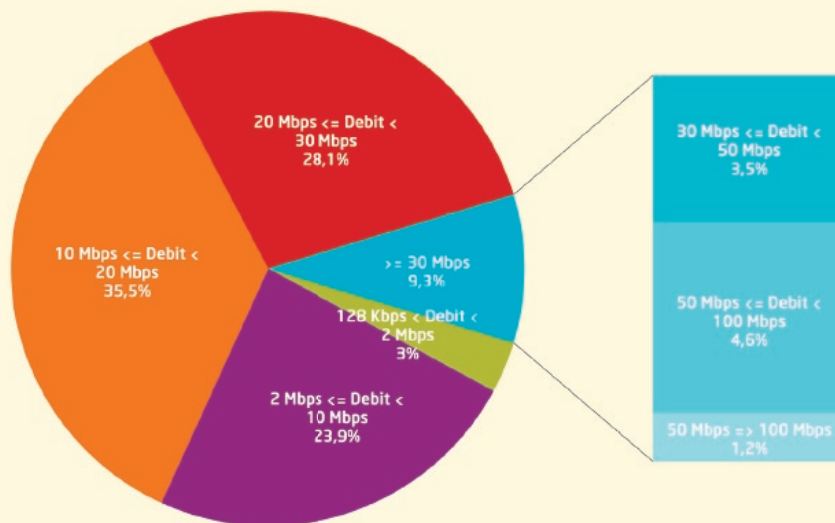
### CTT POSTAL SERVICE ACCOUNTING - 2007 REPORT

Following the audit of results of the cost accounting system of the CTT (Portuguese postal service) for financial year 2007, KPMG & Associados drew up a descriptive report of the CTT's system. A version with confidential information removed can be consulted on the ANACOM website. (+)

### POSTAL QUALITY - CTT DEDUCTS RECORDS

ANACOM decided last 25 February to grant the request submitted by the CTT (Portuguese postal service) to deduct records of sent normal mail and priority mail directly affected by the general strike of 24 November 2010, for the purpose of calculating the quality of service indicators (QSI) defined in the Universal Postal Service Quality Convention. The authorised deduction covers mail during the following periods: national normal mail flows sent from 22 to 24 November (inclusive); priority mail sent on 23 and 24 November in mainland flows; and priority mail sent from 22 to 24 November (inclusive) in mail flows to or from the Azores or Madeira autonomous island regions. (+)

## RETAIL INTERNET ACCESSES



4<sup>th</sup> Quarter 2010

## DEMATERIALIZING PERMANENT RADIO LICENSING

After renewing the online services platform on the website of the *Autoridade Nacional de Comunicações* (ANACOM), the latest interactive electronic services module for the fixed service of permanent radio licensing was recently made available. It contains the following forms: point-to-point connection

networks; point-multipoint connection networks; point-point and point-multipoint occasional use connection networks; and fixed stations, meant to operate in frequency bands under 30 MHz allocated to fixed service. These services are available in the reserved channel, thus requiring user registration. (+)

## INFRASTRUCTURES IN BUILDINGS - NEW SEARCH SERVICES

ANACOM recently made available two new search services on training, addressed to professionals involved in telecommunications infrastructures in buildings (the Portuguese acronym is ITED) and telecommunications infrastructures in housing estates, urbanisations and groups of buildings (ITUR). In the service for searching for training entities, professionals can find those qualified for the training they seek; in the search for

courses, they can likewise access the schedules and locations of courses they want to take. Note that the entry into force of the current legal and technical framework applied to ITED means that all technicians registered with ANACOM or recognised by public professional associations (Order of Engineers and National Association of Technical Engineers) must attend training actions to update their knowledge. (+)

## NEWLY ENACTED LEGISLATION

**Law no. 8/2011** (Series I - Diário da República of 11 April) - Proceeds with the first amendment of the Television Law approved by Law no. 27/2007 of 30 July, the 12<sup>th</sup> amendment of the Advertising Code approved by Decree-Law no. 330/90 of 23 October and the first amendment of Law no. 8/2007 of 14 February, which restructures the concessionaire for public radio and television service, transposing Directive no. 2007/65/EC of the European Parliament and of the Council of 11 December.

**Resolution of Parliament no. 86/2011** (Series I - D.R. of 11 April) - Ends validity of Decree-Law no. 40/2011 of 22 March which "establishes the system for authorising spending inherent to public contracts to be signed by the State, public institutes, local authorities, public foundations, public associations and public companies".

**Law no. 6/2011** (Series I - D.R. of 10 March) - Proceeds with the third amendment of Law no. 23/96 of 26 July, which "creates in the legal order some mechanisms meant to protect the user of essential public services".

## DIGITAL TERRESTRIAL TELEVISION

### ANACOM AWARENESS-RAISING ACTIONS

In recent months the Autoridade Nacional de Comunicações (ANACOM) has promoted several meetings with directors of various bodies to publicise the process of switching over to digital terrestrial television (DTT). The aim of these meetings is to involve a group of partners with strong links to the population: local authorities, parish councils, Social Security, private social welfare institutions, the DECO consumer defence association, televisions and the Portuguese Media Federation. Noteworthy among the local actions already accomplished are meetings with the municipal councils of Alenquer, Sintra, Nazaré and Alcobaça, and with the National Association of Municipalities and the National Association of Parishes (ANAFRE). In the Azores autonomous region contacts were undertaken with the municipal councils of Ponta Delgada and Povoação, and with the regional secretary for science, technology and infrastructures. In Madeira, besides meetings with the regional secretaries for education and culture and for human resources, meetings were also held with the Association of Municipalities of the Madeira Autonomous Region (AMRAM), the Madeira delegation of ANAFRE and the regional social security directorate. In Alenquer, the first part of the country where the analogue signal will be switched off (on 12 May), besides contacts with local authorities, sessions were arranged with the latter's collaboration to inform the professional sector, including retailers, installers and electricians, social welfare institutions and the general public. In late April, plans call for sessions to be held to provide information to parish councils in the three pilot zones, Alenquer, Cacém and Nazaré, as well as sessions for the professional public and the general public. ANACOM has also been publicising the changes associated to DTT on television (RTP1, RTP2, RTP Madeira, RTP Azores, SIC and TVI).

### MODIFICATION OF THE MUX A CHANNELS

ANACOM approved last 9 March the final decision on modification of some operational channels of Multiplexer A (Mux A) of the service of digital terrestrial television (DTT) broadcasting assigned to PT Comunicações (PTC), as well as the report from the prior audience and the general consultation procedure to which the respective draft decision dated 22 December 2010 was submitted. It was thus decided to modify ICP-ANACOM frequency usage right no. 6/2008, issued on 9 December 2008 to PTC, with respect to replacement of the radio channels 61 (790-798 MHz), 64 (814-822 MHz) and 67 (838-846 MHz) of

the Madeira and Azores autonomous regions with channel 54 (734-742 MHz) in Madeira and channels 48 (686-694 MHz), 49 (694-702 MHz) and 54 (742-750 MHz) in the Azores. (+)

By determination dated 4 April, ANACOM also decided that the same frequency usage right will be altered to include replacement of channel 67 (838-846 MHz) by channel 56 (750-758 MHz). PTC must finish the replacement process within a maximum period 16 weeks counting from the date of notification of this decision, starting in the relays corresponding to the pilot phases of the switch-off of terrestrial analogue transmissions (Alenquer, Cacém and Nazaré). (+)

### PTC PROMOTION AND INFORMATION CAMPAIGN

ANACOM approved last 31 March the decision on the DTT information and promotion campaign carried out by PTC. In this decision, ANACOM namely determines that the new resources plan, communication plan schedule and budget should become an integral part of frequency usage right no. 6/2008. It was also decided that only actions which do not contain any kind of direct or indirect commercial promotion of PT Group products or services will be accepted as eligible in the scope of materialising this DTT information and promotion plan. (+)

### EQUIPMENT ACQUISITION SUBSIDY

By determination dated 24 March, ANACOM approved the decision on PTC's allocation of a subsidy for the acquisition of DTT equipment by citizens with special needs, underprivileged populations and institutes of proven social value. In the wake of this determination, ANACOM posted a new set of frequently asked questions (FAQs) on DTT, whose answers are meant to provide knowledge and explanations regarding questions that may arise on this subject. The determination indicates that this subsidy programme will be considered an integral part of frequency usage right no. 06/2008. (+)

### SHARING IN DTH ZONES

ANACOM approved last 7 April the decision defining the procedure for sharing facilities and equipment in areas covered by complementary coverage resources (DTH) to be promoted by PTC. This sharing programme will also become an integral part of frequency usage right no. 6/2008, thus binding PTC. A new set of frequently asked questions (FAQs) was posted, whose

answers provide information and explanations for eventual questions regarding this matter. (+)

### **DTT DECODERS - LATEST DECO TESTS**

In the scope of the protocol signed by ANACOM and the DECO Portuguese consumer defence association, the latter disclosed results of the latest tests comparing DTT set-top decoder boxes. The tests covered 32 such devices (three more than the ones previously tested) and again showed that the image is not disappointing in most of them, even when the boxes are connected to conventional televisions. DECO's 'right choice' continues to be the decoder offered by the Denver brand, model DMB-105HD, although it is in the final phase of com-

mercialisation. The 'best of test' distinction was once again awarded to the Televes model TDT 7151 decoder, whose price ranges from 116 to 199 euros. (+)

### **DTT - ANACOM PAGE ON FACEBOOK**

With the aim of keeping citizens informed about progress in the DTT switchover process, besides providing information on its website, ANACOM launched on 28 March its official Facebook page at [www.facebook.com/tdtofficial](http://www.facebook.com/tdtofficial). Significant news and events associated to DTT's launch in Portugal will be posted on this site, particularly those being promoted in this phase by ANACOM in the pilot zones of Alenquer, Cacém and Nazaré. (+)

## **EUROPEAN UNION**

### **ENISA DISCLOSES BOTNET STUDY**

The European Network and Information Security Agency (ENISA) has published a study on the threat of botnets (common computer networks controlled by cyber-criminals) and how to deal with the problem. The report examines the reliability of estimates about the spread of botnets and makes recommendations for all groups involved in the fight against these networks. Besides the main report, ENISA also released a document titled "Botnets: 10 tough questions", which identifies ten key questions for policy-makers to consider. (+)

### **BEREC PLENARY SESSION IN RIGA - DOCUMENTS**

The Body of European Regulators for Electronic Communications (BEREC) has released documents approved for publication at the last plenary session held in Riga on 24-25 February: "BEREC-RSPG joint Report on transitional issues in the mobile sector in Europe", "BEREC Report on alternative roaming tariffs and retail data roaming tariffs", "BEREC response to the EC public consultation on roaming regulation", "BEREC Report on the market definition for business services", "BEREC Guidance on functional separation", "BEREC Report on ensuring equivalence in access and choice for disabled end users", "BEREC report on cross-border issues under article 28", "BEREC Report on 'Open access'" and "BEREC Report on NGA - Collection of factual information and new issues of NGA roll-out". (+)

### **COMMISSIONER NEELIE KROES - SPEECHES**

The most recent speeches by the commissioner for the Digital Agenda, Neelie Kroes, have been posted online, and cover the following topics: "Working together to strengthen cyber-security", at the telecommunication ministers conference on protecting critical information infrastructures (Balatonfüred, Hungary, 15 April); "Smart tags - working together to protect privacy Privacy and Data Protection", at the signing ceremony for the Impact Assessment Framework (Brussels, 6 April); "Chief Information Officers: a driving force behind the Digital Agenda", at the award of prizes for the European CIO of the Year (Brussels, 25 March); "European Cloud Computing Strategy needs to aim high", at the opening of the Microsoft centre dedicated to Cloud Computing and Interoperability (Brussels, 22 March); "Addressing the orphan works challenge", at the IFRRO (International Federation of Reproduction Rights Organisations) launch of ARROW+ - Accessible Registries of Rights Information and Orphan Works towards Europeana (Brussels, 10 March); "Don't take no for an answer", at the Conference on "Women in Science, Innovation and Technology" (Budapest, 7 March); "Radio must not be left behind in the digital revolution", at the conference marking the 20<sup>th</sup> anniversary of the European Radio Association (Brussels, 3 March); and "Where are we with the Digital Agenda?", at CEBIT 2011 (Hanover, 1 March). (+)

## ANACOM INTERNATIONAL ACTIVITY

The *Autoridade Nacional de Comunicações* (ANACOM) represents the Portuguese communications sector before international sector-related organisations and took part in a number of recent meetings in the scope of the European Conference of Postal and Telecommunications Administrations (CEPT), the Body of European Regulators for Electronic Communications (BEREC), the European Union (EU), the European Regulators Group for Postal Services (ERGP), the Euro-Mediterranean Regulators Group (EMERG), the European Telecommunications Satellite Organisation (EUTELSAT), the International Telecommunication Union (ITU), the Postal Union of the Americas, Spain and Portugal (UPAEP) and the International Telecommunications Satellite Organisation (ITSO).

### CEPT

The following meetings were held in the scope of the Electronic Communications Committee (ECC):

- 28<sup>th</sup> meeting of the ECC (Porto, 7-11 March); (+)
- 71<sup>st</sup> meeting of the Frequency Management working group (Luxembourg, 31 January to 4 February); (+)
- Meeting of the Number Portability project team (PT) of the Numbering and Networks working group (Lisbon 2-3 March); (+)

Istanbul also hosted on 22-23 March a meeting of the CEPT Committee responsible for participation in ITU activities (Com-ITU). (+)

### BEREC

The following groups held meetings in Brussels:

- Expert working group on Next Generation Networks (15-22 March); (+)
- Joint PT of the Radio Spectrum Policy Group (RSPG) and BEREC (29 March). (+)

### EU

Brussels hosted a meeting of the Group of Experts on Electronic Commerce last 21 March. (+)

### ERGP

The following groups met:

- Working group (WG) on End-user Satisfaction and Monitoring of Market Outcomes (Lisbon, 24 March); (+)
- WG Access Regulation (Bonn, 21 March); (+)
- WG Net Cost of USO - VAT as a Benefit/Burden (Stockholm, 16 March). (+)

### EMERG

A workshop on the subject of Licensing and Open Markets was held last 16-17 March in Amman. (+)

### EUTELSAT

The organisation's 27<sup>th</sup> Advisory Committee meeting was held last 14-15 March in Paris. (+)

### ITU

The second meeting of the Conference Preparatory Group was held last 14-25 February in Geneva. (+)

### UPAEP

The annual session of the Advisory and Executive Council was held on 23-25 March in Montevideo. (+)

### ITSO

Washington hosted last 22-23 March the 14<sup>th</sup> meeting of the Advisory Committee. (+)

## CO-OPERATION WITH MOZAMBIQUE

The ceremony to sign the Annual Co-operation Plan (ACP) for 2011 with the Mozambique National Communications Institute took place last 18 March in Maputo, Mozambique. This ACP is the last one in the Indicative Co-operation Programme (ICP)

for 2009-2011 and envisages providing about 44,000 euros, mostly to back capacity-building actions. The three-year evaluation of the ICP is scheduled for the end of this year.

## CONFERENCE ON "BROADBAND FOR ALL, ALL FOR BROADBAND"

In the context of the Hungarian European Union presidency, Budapest hosted last 3 March the Conference on "Broadband for All, All for Broadband" organised by the Hungarian regulator (NMHH). The conference included debate on the role of public

financing in broadband development, a presentation on European spectrum policy and discussion of the role of content in broadband installation and development.

# NEWS FROM OTHER COUNTRIES

## **GERMANY - Bundesnetzagentur (BNetzA)**

- The regulator has published a scientific study on frequency allocation from the technical and economic standpoint. The document titled "Frequency Allotment Study on Possible Flexibilisation in the 900/1800 MHz Band" was compiled by the Telecommunications Institute of Vienna University of Technology and by SBR Juconomy Consulting/SBR Attorneys-at-Law. (+)
- The proposal with Deutschland Telekom's new rates for access to local loop has been published. Also known as the last mile, it should be available to the competition for 10.08 euros/month starting on 1 April. (+)

## **AUSTRALIA - Australian Communications and Media Authority (ACMA)**

- The regulator has released "Clearing the Digital Dividend - planning objectives and principles for restacking digital television channels", a document setting out the second of the three steps for realising the digital dividend. (+)

## **BELGIUM - Institut Belge des Services Postaux et des Télécommunications (IBPT)**

- The regulator announced that internet access suppliers must continue to supply access to the email account and webspace linked to an internet subscription for six months after the contract ends. This obligation took force on 16 April and is free for users.

## **BRAZIL - Agência Nacional de Telecomunicações (ANATEL)**

- Digital TV reaches 46 percent of the Brazilian population, equivalent to 87.7 million people in 480 municipalities. It is estimated that digital terrestrial television coverage will equal current analogue coverage in 2016, the year of the planned switch-off of analogue TV transmissions in Brazil.
- The regulator has published conditions for reorganisation of the Telefónica group, which involve the operator Vivo and the company Telecomunicações de São Paulo (Telesp).
- Mobile telephone service (MTS) reached 207.5 million subscribers at the end of February, of which 170.6 million pertain to prepaid services and 36.9 million to postpaid modalities. The MTS penetration rate reached 106.91 accesses per inhabitant during the same period.

## **CANADA - Canadian Radio-television and Telecommunications Commission (CRTC)**

- The regulator announced that it is ordering conventional television stations to air announcements explaining to Canadians the digital television switchover planned for 31 August 2011. (+)

## **SPAIN - Comisión del Mercado de las Telecomunicaciones (CMT)**

- The regulator approved the price increase to 8.32 euros that Telefónica will charge alternative operators for unbundled access to the local loop.
- The latest CMT data on broadband indicates that the alternative operators have been able to capture 99.4 percent of new subscriptions.
- The CMT determined that television operators should contribute 4.9 million more euros to financing the public operator RTVE, thus raising to 25.03 million the total funds allocated in 2009.

## **FRANCE - Autorité de Régulation des Communications Électroniques et des Postes (ARCEP)**

- The regulator's presentation to the press on the regulatory panorama in France's telecommunications and postal services sector has been posted.
- A draft recommendation on procedures for accessing fibre to the home (FTTH) lines in some buildings in very dense areas, particularly those with less than 12 dwellings, is under public consultation.

## **IRELAND - Commission for Communications Regulation (ComReg)**

- The regulator has released the most recent revision (23 March 2011) of the conditions for supplying electronic communications networks and services. (+)
- New price reductions for fibre optic access charged by Eircom have been disclosed. (+)

## **ITALY - Autorità per le Garanzie nelle Comunicazioni (AGCOM)**

- The procedures and rules for allocation and usage of available frequencies in the 800, 1800, 2000 and 2600 MHz bands for terrestrial electronic communications and additional rules to encourage effective competition in the use of frequencies for cellular 900, 1800 and 2100 MHz are in public consultation until 4 May.

## **UNITED KINGDOM - Office of Communications (Ofcom)**

- The regulator has announced a reduction in mobile termination charges on the order of 80 percent in the next four years (from 1 April 2011 to 31 March 2015). (+)
- The regulator's plans for what will be the biggest ever auction for mobile services in the United Kingdom has been placed in public consultation until 31 May. Two bands are involved: 800 Mhz and 2.6 GHz, thus paving the way for the fourth mobile generation (4G). (+)
- The regulator has published the 2011/2012 annual plan. (+)

## PORTED NUMBERS

	2010												2011		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
FTS	1161559	1171625	1193189	1209540	1224081	1239463	1251042	1268039	1277207	1286924	1298090	1314178	1323695	1335536	1350371
MTS	303941	309951	317756	325132	332604	339282	344744	348598	355799	362757	368284	376445	384787	392856	401749
NGS*	1072**	1072**	1089**	1310**	1327**	1378**	1392**	1416**	1432**	1443**	1459**	1472**	1492**	1507**	1538**
TOTAL	1466572	1482648	1512034	1535982	1558012	1580123	1597178	1618053	1634438	1651124	1667833	1692095	1709974	1729899	1753658

FTS – Fixed Telephone Service; MTS – Mobile Telephone Service; NGS – Non-Geographic Services

\* The Non-Geographic Services (NGS) whose numbers can be ported are the following: Free Call for the Caller Service (800), Shared Cost Call Service (808, 809) and Universal Access Service (707).

\*\* Includes a ported number from the 30 numbering range (number associated to nomad VoIP service).

## NOMAD VoIP AND FIXED COMMUNICATIONS – NEW STATISTICAL INDICATORS

By determination dated 3 March, the Autoridade Nacional de Comunicações (ANACOM) approved the statistical indicators that should be submitted quarterly to this Authority by the providers of electronic communications services at a fixed

location and nomad VoIP. The first statistical information, on the third quarter of 2011, should thus be submitted to ANACOM by 30 October 2011. (+)

## USER-ENUM IN PORTUGAL – ITU-T NOTIFICATION

ANACOM has notified the director of the ITU-T Telecommunication Standardisation Bureau (TSB) of its decision to designate the Portuguese Foundation for Scientific Computation (FCCN) as a Tier 1 Registry in domain 1.5.3 and 164.arpa with respect to ccTLD (Country Code Top Level Domain) for Portugal of User-ENUM, following on the protocol signed by the two bodies on 24 January. A primary server and two secondary servers were configured, with distinct (national and international)

localisations, using the DNSSEC (Domain Name System Security Extensions) secure communication protocol. This protocol already counts the formal membership of four companies (ZON TV Cabo, Claranet, Cabovisão and MobiZAPP), besides the expression of interest by other companies. Note also that those interested in taking part in the ENUM pilot can express their interest via the email address [infopiloto@enum.org.pt](mailto:infopiloto@enum.org.pt). (+)

## WORKSHOP ECONOMICS OF ICTs – ANACOM PRIZE

The second Workshop on the Economics of ICTs was held at the University of Évora on 31 March and 1 April, during which the ANACOM Prize for Economics was awarded to the best scientific research work on communications in the economics field. ANACOM chairman José Amado da Silva delivered the prize to Luís Vasconcelos and Guillaume Rogery for the work

titled “Platform Pricing Structure and Moral Hazard”. This workshop was organised jointly by the Study and Finance Centre of the University of Porto (CEF.UP), the Centre for Studies and Advanced Education in Management and Economics (CEFAGE – University of Évora) and the Programme Carnegie Mellon University/Portugal@IST. (+)

## ANACOM PORTO – NEW OPENING HOURS

The public attendance and treasury services of the ANACOM office in Porto will henceforth be closed at lunchtime. The new opening hours are thus as follows: from 9 a.m. to 12:30 p.m.

and from 2 p.m. to 4 p.m. Interested parties can also obtain information by calling the free number 800 20 66 65 between 9 a.m. and 4 p.m.