

# SPECTRU 172 MAY 2016

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#### ROAMING IN EUROPA DIDN'T END, IT CHANGED

The Autoridade Nacional de Comunicações (ANACOM) launched on 27 April an information campaign on international roaming, the aim being to publicise the new rules in force since 30 April. The message "Roaming in Europe didn't end, it changed - talk to your operator

before travelling and find out how much you'll pay" advises consumers of the need to contact their operators before they travel. The campaign is conducted by internet, radio and written press. ANACOM will also organise widespread distribution of an information leaflet. (+)

#### **ANACOM ALERTS**

The ANACOM Alerts initiative was launched in April with a view to enhancing the information available to consumers about specific sector-related subjects, reflecting significant questions raised in submitted complaints. The six-month initiative involves the weekly publication of thematic alerts in the newspapers Correio da Manhã (Saturday) and Jornal de Notícias (Sunday).

In April alerts were released on the following subjects:

- cancelling communications contracts is simple; (+)
- invoicing and debt collection; (+)
- contracts for communications by telephone. (+)

ANACOM also began working with Jornal de Notícias in the "Consumer Hints" section, which considered the following sector-related topics in April:

- loyalty periods in communications, and (+)
- billing of electronic communication services. (+)

#### **DECISIONS**

#### PRICE OF VOICE CALLS IN MOBILE NETWORKS

Starting on 1 July, the maximum termination price for voice calls in mobile networks that notified mobile operators with significant market power can apply is 0.81 cents per minute, invoiced by the second from the first second on. This price update was approved by order dated 12 April and derives from what is set out in the decision dated 6 August 2015, which approved specification of the price control obligation in the wholesale markets for voice call termination in individual mobile networks. (+)

#### **REQUEST BY NOS COMUNICAÇÕES DISMISSED**

ANACOM dismissed by decision dated 7 April the request

by NOS Comunicações (NOS) to suspend implementation of the decision, approved on 10 March, concerning the end of existing limits on operation in the 800 MHz band, as indicated in the multiband auction regulations. This Authority considered that NOS did not demonstrate reasons whereby execution of that decision causes or could cause it irreparable or hard-to-repair damage and that if NOS's request was dismissed the public interest objectives underlying the conditions associated to the frequency usage rights allocated in that band would be seriously harmed, given that fulfilment of current network access and coverage obligations would be suspended. (+)

# COMMUNICATIONS IN PORTUGAL

#### NEWS

#### **ADMINISTRATIVE OFFENCE CASES**

In the area of electronic communication services, the Autoridade Nacional de Comunicações (ANACOM) undertook administrative proceedings against the following companies:

- Cabovisão Televisão por Cabo, with application of a 15,000 euro fine for failing to send in information about the monthly collection and delivery to municipalities of the municipal fee for rights of way; (+)
- Maritime Communications Partner AS, which proceeded to voluntarily pay the minimum legally admissible amount of the fine, 4,000 euros, for illegal commission of an administrative offense by intentionally breaching the obligation to provide information about business volume in 2013 that can be used to calculate the extraordinary contribution to the universal electronic communications service compensation fund. (+)

#### FREQUENCY USAGE RIGHT TRANSFER

ANACOM makes public that it has received from the Media Regulatory Board (Entidade Reguladora para a Comunicação Social) a request for decision regarding the manifest intention of Emissora Regional de Leiria - Rádio Liz to transfer to Record FM - Sociedade de Meios Audiovisuais de Sintra, Unipessoal, the frequency usage right it was awarded to carry out audio broadcasting activity. (+)

Also approved, on 13 April, was the decision not to oppose the transfer to the title of Cortiçol - Cooperativa de Informação e Cultura the frequency usage right in the 87.5-108 MHz band previously assigned to Rádio Castrense - Sociedade Unipessoal for provision of local radio programming service in Castro Verde county. (+)

On 13 April ANACOM also decided not to oppose the transfer to the title of PopQuestion the frequency usage right in the 87.5-108 MHz band previously assigned to Globinóplia for provision of local radio programming service in Oliveira de Azeméis county. (+)

#### **EXTENSION OF MARKET 4 CONSULTATION PERIOD**

A decision dated 13 April extended for an additional five more working days the period of the public consultation proceedings and prior hearing of interested parties concerning the draft decision on the analysis of the market for high quality electronic communications at a fixed location. The deadline for receiving contributions was 5 May. (+)

#### **DECLARATIONS ISSUED**

ANACOM issued on 7 April, under terms of the Electronic Communications Law, declarations to the following companies:

- Greensatellite Unipessoal for the provision of voice over internet (VoIP) service; (+)
- Tsolnetworks Connect Europe for the provision of public communications network, internet access, voice over internet, virtual private networks and voice telephone traffic resale services. (+)

#### **AMATEUR EXAM QUESTIONS AVAILABLE**

ANACOM has disclosed 50 percent of the most significant questions for the purpose of preparing for amateur aptitude exams in categories 1, 2 and 3. The questions comprise most of the available set in the database for those categories' exams. (+)

#### TRENDS IN TELECOMMUNICATION PRICES

The report on "Trends in Telecommunications Prices", with figures referring to March, was released on 18 April. (+)

#### **2016 GIRLS IN ICT DAY**

Girls in ICT Day was marked on 28 April. The date, every year on the fourth Thursday in April, was established by the International Telecommunication Union in 2010 to celebrate the interests and opportunities that new technologies can offer young women and encourage them to choose an education and professional career in the area of information and communication technologies. The Portuguese Foundation for Communications has joined the initiative and on 6 May held a debate, during which prizes were awarded to winners of the contest judging digital works on the subjects of "Are we all digital?" and "What teacher in the future?" (+)

#### **ANACOM PUBLIC PARTICIPATION**

The chair of ANACOM's board of directors, Fátima Barros, took part in the 2016 Asia-Pacific Ultra-Broadband Summit in Hong Kong on 28 April. The gathering was meant to serve as a platform for discussions between business leaders and technology pioneers, focusing on the broadband industry and with a view to exchanging ideas about innovation, best practices and models for sustainable sector growth.

Board member Hélder Vasconcelos met with Sweden's regulator, the Swedish Post and Telecom Authority (PTS), on 7-8 April.

#### HOME CUSTOMERS OF HIGH SPEED NETWORKS AND SERVICES (HSN)

	4T2015		1T2016			
NUTSII	Home HSN Customers	Home HSN Customers per 100 inhabitants (1)	Home HSN Customers	Home HSN Customers per 100 inhabitants (1)	Variation 1Q16/4Q15	Variation 1Q16/1Q15
NORTH	531	14,7	551	15,2	3,7%	21,5%
CENTRE	221	9,8	233	10,3	5,5%	27,9%
LISBON	800	28,5	816	29,1	2,1%	10,9%
ALENTEJO	44	6,0	48	6,6	8,6%	43,4%
ALGARVE	58	13,2	61	13,8	4,6%	20,6%
AZORES	31	12,5	32	12,8	2,3%	11,4%
MADEIRA	50	19,3	50	19,5	0,8%	11,2%
TOTAL	1735	16,7	1791	17,3	3,2%	17,1%

Unit: Thousands of customers, %; Source: ANACOM

#### **REVISED POSTAL SERVICE FEES FOR 2015**

The Autoridade Nacional de Comunicações (ANACOM) approved by decision dated 7 April the revised settlement of fees owed for exercising the activity of postal services provider with respect to year 2015, due to it having received information about the relevant income figures of the companies Polientrega and Porta Notícias. The corrected

income figure impacted the value of the t2 percentage, which changed from 0.3000 percent to 0.2994 percent, thereby leading to the return of amounts overcharged, in proportion to the relevant incomes used to calculate the fees already settled. (+)

#### 2017-2019 STRATEGY GUIDELINES

ANACOM approved on 5 May the initiation of a public consultation on the strategy guidelines for the multiannual activities plan for the 2017-2019 three-year period. Given the transparency objectives that orient ANACOM's activity and the constant concern about improving the quality of

regulation, those directly impacted by actions conducted by this Authority are invited to comment on the strategic priorities and key activity axes for the 2017-2019 three-year period. Interested parties can submit their comments until 6 June to the email address plano2017-2019@anacom.pt. (+)

#### **NEWLY ENACTED LEGISLATION**

**Decree-Law no. 18/2016** (*Diário da República* Series I of 13 April) - Establishes the implementation rules for the 2016 State Budget. (+)

The 28 April Council of Ministers approved the final versions of the 2016-2010 National Reform Programme and the 2016-2020 Stability Programme.

<sup>(1)</sup> Series of provisional annual resident population estimates per administrative division and corresponding to the Official Administrative Map of Portugal for 2013 (CAOP2013) and the new version of the NUTS (NUTS 2013) in force as from 1 January 2015.

#### **ANACOM DECISIONS - SUMMARY OF 1<sup>ST</sup> QUARTER 2016**

Full information available at www.anacom.pt

#### DATE DECISION

- 22.03.2016 Suspension of use of the dialling codes 68954 and 68955 allocated to Euro da Sorte for value-added services based on message sending (decision) (+)
- 17.03.2016 Extension of the deadline for responding to the public consultation on analysis of the markets for wholesale local access in a fixed location and wholesale central access in a fixed location for major consumption products (decision) (+)
- 15.03.2016 Authorisation to dispense NOS Comunicações from contributing to the universal electronic communications service compensation fund with respect to the 2014 net costs of universal service (decision) (+)
- 15.03.2016 Analysis of the market for high-quality electronic communications at a fixed location (business segment) (draft decision) (+)
- 15.03.2016 Notification about the end of existing limits on operating in the 800 MHz frequency band (decision) (+)
- 11.03.2016 Declaration issued to Cyclop Net for the supply of electronic communications (+)
- 11.03.2016 End of procedure to consider Vodafone's request for temporary licensing for the 900 MHz band (decision) (+)
- 08.03.2016 Study on application and content (OTT) services (decision) (+)
- 07.03.2016 Approval of expiration of the regulatory obligations imposed on MEO with respect to the market for the wholesale supply of TV broadcasting services via terrestrial analogue networks (final decision) (+)
- 04.03.2016 Determination of speeds associated to coverage obligations in the 800 MHz frequency band (final decision) (+)
- 25.02.2016 Draft regulation for operation of the radio data transmission system (RDS) (draft decision) (+)
- 24.02.2016 ANACOM inspection and control cards (decision) (+)
- 22.02.2016 Approval of renewal of frequency usage rights awarded in the 2100 MHz band for terrestrial electronic communication services (final decision) (+)
- 16.02.2016 Analysis of the markets for wholesale local access at a fixed location and wholesale central access at a fixed location for major consumption products (final decision) (+)
- 15.02.2016 Acceptance of Vodafone's auditor for MFRW (decision) (+)
- 15.02.2016 Change of title of the frequency usage rights for terrestrial electronic communication services awarded to Vodafone (decision) (+)
- 15.02.2016 Declaration issued to CHOUDHARY 2 for the supply of electronic communications (+)
- 15.02.2016 Cancellation of the declaration issued to Choudhary (order) (+)
- 08.02.2016 Study on substitutability between fixed broadband and mobile broadband (decision) (+)
- 02.02.2016 Approval of the report from the consultation on provision of spectrum in the 3.4-3.8 GHz frequency band (final decision) (+)
- 02.02.2016 Universal electronic communications service compensation fund entities obliged to contribute and setting of the value of contributions with respect to the net costs of universal service (2010-2011 and 2014) (final decision) (+)
- 01.02.2016 Expiration of the regulatory obligations imposed on MEO with respect to the market for the wholesale supply of TV broadcasting services via terrestrial analogue networks notification to the EC (draft decision) (+)
- 29.01.2016 Study on "Regulatory Impact Analysis" (decision) (+)
- 27.01.2016 Declaration issued to Nuno Goncalo Ângelo Monteiro for the provision of postal services (decision) (+)
- 22.01.2016 Proposed price table for universal postal service (decision) (+)
- 18.01.2016 Reworked decision on definition of terrestrial coverage obligations and amendment of the DTT frequency usage right (MUX A) (decision) (+)
- 14.01.2016 Request for accreditation for access to the centralised information system (decision) (+)
- 04.01.2016 CTT cost accounting system (2011 and 2012) (final decision) (+)
- 04.01.2016 Fees owed for carrying out the activity of supplier of electronic communication networks and services (2013) revision of settlement and approval of new t2 contribution percentage (draft decision) (+)
- 04.01.2016 Declaration to Nextweb for the supply of electronic communications (+)

#### **ENISA STUDY**

The European Network and Information Security Agency published on 4 April a report on management and cooperation

in cyber-crises, indicating common crisis management practices at European Union level and their applicability. (+)

# COMMUNICATIONS AROUND THE WORLD

### **EUROPEAN UNION**

#### **DIGITALISATION PROMOTED IN EUROPE**

The European Commission (EC) has presented a package of measures meant to help European industry, small and medium sized companies, researchers and public authorities take the most advantage of new technologies. Four communications have been adopted in this regard: on the digitalisation of European industry, the European initiative for the cloud, the European action plan (2016-2020) for online public administration, and priorities of information and communication technologies (ICTs) for the digital single market. (+)

#### **LEGISLATIVE PACKAGE ON DATA PROTECTION**

The European Parliament approved on 14 April a Regulation and a Directive which will become fundamental instruments for creation of the digital single market and fulfilment of the European Union (EU) agenda on security. The new legislative package, which revokes Directive 95/46/EC of 24 October 1995, had been approved by the Council on 8 April. The Directive will take force after publication in the Official Journal of the EU; a two-year deadline has been set for the member states to transpose the Regulation. (+)

#### **EUROPEAN INTERCONNECTION MECHANISM**

The online "CEF Digital Single Web Portal" has been launched. It contains information and tools associated to building blocks of the European Interconnection Mechanism and to digital services infrastructures (DSIs). The portal also enables information to be researched by member state, area or DSI. The first communication on the portal introduces the catalogue of building blocks, helps understand how they work and indicates software and services so they can be successfully reused. (+)

#### e-SENS PROJECT

The duration of the Electronic Simple European Networked Services (e-SENS) project has been extended for 12 more months until 31 March 2017, with a view to involving more public and private bodies in efforts to build digital interoperability between European governments. The e-SENS project aims for the technical solutions found (especially e-ID, e-documents, e-delivery an e-signatures) to comprise the base of a platform of key services for cross-border digital e-government infrastructure in the context of the European Interconnection Mechanism. (+)

#### SPECTRUM FOR MOBILE INTERNET SERVICES

The EC adopted on 27 April an implementing decision on harmonisation of the 694-790 MHz (700 MHz) frequency band for wireless broadband. This decision complements the EC's legislative proposal of 2 February, inserted in the strategy to create the digital single market, which aims to improve internet access for all Europeans, preventing interference, and help develop cross-border applications. (+)

#### **ePRIVACY DIRECTIVE UNDER CONSULTATION**

The EC public consultation on revision of the ePrivacy Directive, which sets the rules governing the handling of personal data and the approach to privacy in the electronic communications sector, is under way until 5 July. The consultation's aim is to gather viewpoints about the effectiveness, efficacy and consistency of current EU rules and possible approaches for the directive's revision. Contributions are requested concerning the scope of the directive's application, the manner of assuring security and confidentiality in communications, subscriber rights, unsolicited commercial communications and ways to improve application and implementation of the directive. (+)

#### INTEROPERABILITY SOLUTIONS

The EC adopted on 19 April the first working programme under the new programme regarding "Interoperability Solutions for European Public Administrations". The programme is budgeted at 131 million euros and runs from 2016 to 2020. Its aim is to support the development of interoperability solutions to modernise public administrations in Europe. (+)

#### **ALLIANCE FOR IOT INNOVATION**

The first year of existence of the European "Alliance for Internet of Things Innovation (AIOTI)" initiative was celebrated on 25 April. On that date its achievement of status as a Brussels-based European legal entity was announced, a result of the significant impact and success attributed to its accomplished work. The AIOTI has thus become a formal organisation and will continue working with the EC, promoting innovation and development of the Internet of Things. (+)

#### ANACOM INTERNATIONAL ACTIVITY

The Autoridade Nacional de Comunicações (ANACOM) represents the Portuguese communications sector before relevant international organisations and took part in recent meetings in the scope of the Body of European Regulators for Electronic Communications (BEREC), European Conference of Postal and Telecommunications Administrations (CEPT), European Eastern Partnership (EaP), Euro-Mediterranean Regulators Group (EMERG), European Regulators Group for Postal Services (ERGP), European Telecommunications Standards Institute (ETSI), International Telecommunications Satellite Organisation (ITSO), North Atlantic Treaty Organisation (NATO), Organisation for Economic Cooperation and Development (OECD), European Union (EU) and Postal Union of the Americas, Spain and Portugal (UPAEP).

#### **BEREC**

The following meetings were held in the scope of BEREC's work:

- videoconference between the BEREC and IRG chair and vicechairs - 13 April; (+)
- meeting of MEA EWG drafters 14 April in Barcelona; (+)
- meeting of BEREC PRD on terminations 19 April in Brussels; (+)
- meeting of NGN EWG 20 April in Brussels; (+)
- high-level meeting between Commissioner Oettinger and BEREC - 21 April in Brussels; (+)
- meetings of NN EWG 13-14 April in the Hague and 27-28 April in Riga. (+)

#### **CEPT**

The following meetings were held in the context of the ECC's work:

- 29<sup>th</sup> meeting of WG NaN PT FNI 12-13 April in Biel/Bienne, Switzerland; (+)
- 37<sup>th</sup> meeting of WG FM EFIS MG 13-14 April in Maisons-Alfort, France; (+)
- 12<sup>th</sup> meeting of WG NaN 27-28 April in Jurmala, Latvia. (+) A meeting of CERP WG UPU also took place, on 13-14 April in Ljubljana, Slovenia. (+)

#### EaP

The plenary meeting of the Regulators Group was held on 8 April in Riga, preceded on 7 April by a workshop on "Regulatory Governance". (+)

#### **EMERG**

The following meetings took place:

- Working group on Digital Economy and Internet Access, in the scope of the Union for the Mediterranean - 19-20 April in Barcelona, Spain; (+)
- Contact Network 19-20 April in Cologne, Germany. (+)

#### **ERGP**

The following meetings were held as part of the ERGP's work:

- Subgroup on Cross-border Parcel Delivery for e-Commerce Purposes - 16 March in Paris; (+)
- Subgroup on End-to-End Competition and Access Regulation
   14 April in Bonn, Germany; (+)
- Steering Group 21 April in Sofia, Bulgaria. (+)

#### **ETSI**

The 67<sup>th</sup> General Assembly was held on 19-20 April in Sophia-Antipolis, France. (+)

#### **ITSO**

The 20<sup>th</sup> meeting of the Advisory Committee was held on 31 March and 1 April in Washington. (+)

#### NATO

Brussels hosted on 12-13 April the 10th meeting of the C3B CaP3 working group. (+)

#### **OECD**

The 71st CDEP meeting took place from 29 March to 1 April in Paris. (+)

#### EU

The following meetings were held in the EU scope:

- annual seminar on postal regulatory statistics organised by the European Commission - 19 April in Brussels; (+)
- high-level meeting on "Connecting the Internal Market through Modern Regulation", promoted by the Dutch presidency of the Council - 20 April in Amsterdam. (+)

#### **UPAEP**

The annual session of the Advisory and Executive Council was held on 4-8 April in Montevideo. (+)

#### ITU ONLINE COURSE

The ITU will hold from 31 May to 27 June an online course

titled "Broadband Internet and Future Networks". (+)

#### **NEWS FROM OTHER COUNTRIES**

# BELGIUM - Belgian Institute for Postal Services and Telecommunications (BIPT)

• Maps indicating the coverage of fixed broadband networks in Belgium were published on 25 April, namely the percentage of dwellings that can be linked to broadband access service in each municipality, according to different download speeds. The information provided indicates that 99.9 percent of homes have access to a fixed connection at 1 Mbit/s. (+)

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

• The numbering plan for mobile service in the centralwestern region and three states in the northern region has been modified, adding the digit 9 to the mobile phone number. The measure is meant to increase availability of mobile phone numbers, continue the call dialling standardisation process and ensure sufficient numbers are available for new services and applications. (+)

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

• The new basic TV package made available on 1 March registered more than 66,000 take-ups in just six weeks. Additionally, one of every three Canadians has taken advantage of the new options to subscribe to individual channels, small packages (with a maximum of ten channels) or both. (+)

# SPAIN - Comisión Nacional de los Mercados y la Competencia (CNMC)

• The CNMC's participation in the European Commission public consultation on the review of the roaming market has been communicated. Nearly a hundred organisations, companies and individuals sent in contributions to determine how roaming surcharges should be eliminated in the retail market after 15 June 2017. (+)

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

• An ad hoc report on quality of service in the Orange telephone network has been published. It includes several suggestions addressed to the government and meant to strengthen the universal service specifications. (+)

#### FRANCE - L'Autorité de la concurrence (ADLC)

• The Altice/Numericable Group has been fined 15 million euros for failing to comply with obligations associated to disposal of the mobile telephone activities of Outremer Telecom in Réunion and Mayotte assumed during the acquisition of SFR. (+)

## GREECE - Hellenic Telecommunications & Post Commission (EETT)

• A report has been presented about the development of broadband in 2015, in which the EETT highlights continual growth of the broadband market in the fourth quarter, the growing tendency for convergence with the European Union partners, development of the local loop supply and low growth of the very high speed digital subscriber line. (+)

# The NETHERLANDS - Authority for Consumers and Markets (ACM)

 Monitoring of the telecoms sector in 2015 led to the conclusion that internet connections are increasingly faster, namely downloads. At the end of the year, two of every three domiciles registered broadband connection speeds of at least 30 Mbits per second; in 2014 half of all domiciles did not have connections that could achieve such speeds. (+)

## HUNGARY - National Media and Infocommunications Authority (NMHH)

• Documentation referring to the auction to acquire frequency usage rights in the 3400-3800 MHz band has been published. (+)

## IRELAND - Commission for Communication Regulation (ComReg)

• Data on the implementation of roaming between 1 April and 30 September 2015 has been published. (+)

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

- A consultation has been launched (running until 9 June) on introduction of the 3.8 GHz and 4.2 GHz frequency bands for spectrum sharing for potential innovative applications or new telecommunication services. (+)
- The consultation to gather contributions for the concession of universal broadband service obligations is under way until 23 June. Ofcom will submit the final document (technical analysis and recommendations) to the government at the end of 2016. (+)

#### SWITZERLAND - Federal Office of Communications (OFCOM)

- The Federal Council approved on 20 April the Digital Switzerland strategy, which should represent a process of ongoing dialogue with representatives drawn from the economy, science, research and civil society. The aim is to assure increasingly widespread digitalisation and dynamic and innovative development of the country's economy. (+)
- A public tender has been launched and runs until 15 July, to award the contract to manage names in the .ch domain, planned to start in mid-2017. The result will be announced by OFCOM in the autumn. (+)

#### SPECTRU BULLETIN SATISFACTION SURVEY

The Autoridade Nacional de Comunicações (ANACOM) has launched a satisfaction survey on the Spectru informative bulletin. The aim is to gather opinions and suggestions that might help improve it, specifically in terms of content and presentation

format. The survey will be open to receiving responses until 31 May. The information gathered will be handled on an entirely anonymous and confidential basis and cannot be ceded to other entities or used for any other purpose. (+)

#### T'COM INFRASTRUCTURES WORKSHOP: FROM KNOWING TO DOING

ANACOM will hold on 31 May at 2:30 p.m., at Lisbon's Torre de Tombo Auditorium, a workshop on ITED/ITUR (telecommunication infrastructures in buildings and in housing estates, urban developments and groups of buildings); the theme is "from knowing to doing". The aim is to bring out and debate questions about training and other subjects of interest for the sector. The regime considered in this workshop is framed

in Decree-Law no. 123/2009 of 21 May, per the version given by Law no. 47/2013 of 10 July, which envisages that technical personnel will have to attend update training every three years to continue the activity of ITED/ITUR planner and installer. The workshop is basically addressed to technical personnel with ANACOM authorisation, as well as the Order of Engineers and the Order of Technical Engineeers. (+)

#### COVERAGE OF FIXED HIGH-SPEED NETWORKS

ANACOM has made available for consultation the list of parishes with access to and coverage by fixed high-speed networks borne on fibre optics and in cable TV distribution networks. This information enables users to find out whether

a given parish has fixed high-speed network coverage and the level of that service's coverage there: less or equal to 1 percent; between 1 and 25 percent (inclusive); between 25 and 50 percent (inclusive); and above 50 percent. (+)

#### **COMMUNICATIONS SECTOR IN 2015**

ANACOM published on 14 April the report on "The Communications Sector in 2015", which describes and explains the communication sector's evolution in 2015. This publication is divided into the following ten chapters: overview of electronic communications; coverage of electronic

communication networks; residential offers of electronic communication services; the electronic communications consumer; bundled offers; internet access service; pay-TV service; fixed telephone service and nomad VoIP; mobile telephone service; postal services. (+)



# Contact your operator before travelling and check how much you will be charged.

More information www.anacom.pt

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