

# SPECTRU

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## INFORMATION CAMPAIGN ON THE RED AND EMC DIRECTIVES

"In tune with the new laws on radio and electronic communications equipment?" is the slogan of the information campaign on the new legal systems governing radio and electronic communications equipment, launched by the Autoridade Nacional de Comunicações (ANACOM) on 28 September. The campaign is addressed to manufacturers,

agents, importers and distributors of devices that use electromagnetic spectrum and aims to publicise the changes introduced by Decree-Law no. 57/2017 of 9 June, transposing the Radio Equipment Directive (RED), and Decree-Law no. 31/2017 of 22 March, transposing the Electromagnetic Compatibility (EMC) Directive. (+)

### RED AND EMC WORKSHOPS

ANACOM-organised workshops to publicise the new legal systems applicable to radio and electronic communications equipment and their marketing and placement in service were held on 12 October (Porto) and 19 October (Lisbon). The equipment covered by those systems can be cordless telephones, mobile phones,

smartphones, tablets, wireless microphones, portable computers, Bluetooth earphones, wireless doorbells, wireless computer mice and keyboards, drones, wireless speakers, remote-control toys, telephones with cord and powerline with and without wi-fi, among others. (+)

# OPINION ON MEO/MEDIA CAPITAL MERGER

ANACOM remitted to the Competition Authority (AdC) on 18 September its opinion on the merger operation between MEO-Serviços de Comunicações e Multmédia (MEO) and Media Capital.

Given the appreciation contained therein, ANACOM concluded that it is liable to create significant obstacles to effective competition in the various electronic communication markets. (+)

# 'ADDITIONAL 2GB OF INTERNET' MEO CAMPAIGN

ANACOM decided on 31 August that MEO must obtain express agreement from its customers to join the offering made in the 'Additional 2GB of Internet' campaign. It was also decided that

MEO cannot invoice or charge any amounts for the provision of those services without having obtained prior express agreement from its customers. (+)

# CONSULTATION

#### **REGISTRATION OF ELECTRONIC COMMUNICATIONS COMPANIES**

By decision dated 7 September ANACOM approved the draft regulation concerning registration of companies that supply electronic communication networks and services. The public consultation initiated on 29 September via the publication of Notice no. 11512/2017 runs until 14 November. Contributions may be sent to <a href="mailto:regulamento.registoce@anacom.pt">regulamento.registoce@anacom.pt</a>. (+)

# COMMUNICATIONS IN PORTUGAL

## **NEWS**

#### **ADMINISTRATIVE OFFENCE CASES**

On 14 June the Autoridade Nacional de Comunicações (ANACOM) imposed on OnAir N.V., in the area of electronic communications and for the practice of an administrative offence, a single fine amounting to 4,000 euros, paid voluntarily by the company. (+)

#### **PRICE TRENDS - AUGUST 2017**

The report on "Trends in Telecommunications Prices" released by ANACOM on 20 September contains data for August 2017. This report is drawn up by ANACOM based on indicators from the National Statistics Institute and Eurostat and includes information about changes in the consumer price index and telecommunications prices, besides comparing telecommunications price trends in Portugal and the European Union. (+)

#### HIGH SPEED NETWORKS AND SERVICES

The report on "High Speed Networks and Services at a Fixed Location", with figures for the second quarter of 2017 (2Q2017), was released by ANACOM on 23 August. This report presents the number of home customers of high speed services at a fixed location in mainland Portugal and in the Azores and Madeira autonomous regions, as well as total cabled households for all operators. (+)

#### **FACTS & FIGURES**

The infograph summarising key information about the electronic communications sector disseminated by this Authority by means of the statistical reports for 2Q2017 is available for consultation. The information includes indicators about subscriber numbers, penetration rates, traffic, revenue and subscriber shares. (+)

#### *QUALITY OF SERVICE*

ANACOM released on 22 September updated information about the quality of service of access to the public telephone network at a fixed location and telephone service accessible to the public at a fixed location, referring to the first and second quarters of 2017. (+)

#### **COMPANIES IN THE COMMUNICATIONS SECTOR - 2017**

The 2017 "Directory of Companies in the Communications Sector" in Portugal was released by ANACOM on 27 September. This publication lists operational providers in the communications sector on 30 June, supplying diverse information describing those companies and their activity in electronic communications and/or postal services. (+)

#### **ACCESS TO TV SIGNAL IN 2017**

An ANACOM publication including summarised results of the survey promoted by the Marktest Telecommunications Barometer on means of accessing TV signal was made available on 11 August. The figures it contains refer to June 2017. (+)

#### **COVERAGE OF FIXED HIGH SPEED NETWORKS**

The list of civil parishes with access to and coverage by fixed high speed networks in 2Q2017 was released on 29 September. Those networks are borne by fibre optics or cable TV distribution networks. (+)

#### **ACQUISITION OF TESTING SYSTEM**

The public tender for acquisition of a testing, processing, analysis and reporting system for information on the quality of service of mobile communication systems ran until 29 September by means of the Vortal electronic platform. Its launch had been approved by ANACOM on 7 September. (+)

#### **WORLD POST DAY**

World Post Day (WPD) is celebrated worldwide on 9 October and commemorates the founding of the Universal Postal Union (UPU) in 1874. In Portugal, WPD 2017 was marked by an official ceremony at the Portuguese Foundation for Communications during which the prizes for the 2017 letter-writing contest were awarded. (+)

#### **ANACOM PUBLIC PARTICIPATION**

The chair of the ANACOM board of directors, João Cadete de Matos, visited on 14 September this Authority's office in Madeira and met with regional authorities in the scope of existing institutional cooperation. On 27-28 September he took part in the 27th Digital Business Congress organised by the Portuguese Association for the Development of Communications (APDC), where he was the keynote speaker on the panel concerning the 'state of the nation of communications'. On 29 September João Cadete de Matos attended the closure of the Forum of the Portuguese Initiative on Internet Governance and on 9 October he participated in the official World Post Day ceremony.

#### **PORTED NUMBERS**

2016						2017						
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FTS	1862921	1876590	1886881	1895673	1915593	1922092	1937761	1943326	1949917	1943393	1909041	1905346
MTS	2105655	2134509	2164420	2190850	2219274	2245682	2274329	2298059	2313835	2319220	2339791	2355741
NGS <sup>1</sup>	3887	3903	3918	3936	3968	3976	3977	3995	4019	4038	4047	4067
Total	3972463	4015002	4055219	4090459	4138835	4171750	4216067	4245380	4267771	4266651	4252879	4265154

MTS - mobile telephone service; FTS - fixed telephone service; NGS (other non-geographic services)

#### EC NOTIFIED OF CHANGES TO THE LLRO AND RELLO

The Autoridade Nacional de Comunicações (ANACOM) decided on 31 August to approve the draft decision to notify the European Commission, the Body of European Regulators for Electronic Communications (BEREC) and the national regulatory authorities of the other European Union member states of changes to the leased lines reference offer (LLRO) and the reference Ethernet leased lines offer (ORCE). (+)

#### POSTAL NETWORK DENSITY AND SERVICE OFFERINGS

By final decision dated 15 September, ANACOM set the objectives for postal network density and minimum offerings

of services that CTT-Correios de Portugal (Portuguese postal service) is obliged to fulfil from this October until 2020. (+)

#### CTT COST ACCOUNTING SYSTEM - 2013 AND 2014

ANACOM approved on 21 September the declarations of conformity of the CTT's cost accounting system for financial years 2013 and 2014. Also approved were this Authority's

determinations and recommendations with a view to improving the cost accounting system. (+)

#### **NEWLY ENACTED LEGISLATION**

**Council of Ministers Resolution no. 120/2017** (Series I – *Diário da República* of 4 September) designation of João António Cadete de Matos for the position of chair of the ANACOM board of directors. (+)

**Notice no. 10191/2017** (Series II - D.R. of 4 September) - extension of the consultation deadline for the draft regulation amending Regulation no. 58/2005 of 18 August (Portability Regulation). (+)

**Decree-Law no. 102/2017** (Series I – D.R. of 23 August) – implementation of the Simplex+ 2016 measure – 'information to the consumer + simple'. (+)

**Decree-Law no. 99/2017** (Series I – D.R. of 18 August) – second amendment of Decree-Law no. 251-A/2015 of 17 December, approving the Organic Law of the 21st Constitutional Government. (+)

<sup>1</sup> At the end of the second quarter of 2017 it included 948 ported numbers from the '30' numbering range (numbers associated to nomad VoIP service).

#### OPERATORS/PROVIDERS OF COMMUNICATION NETWORKS AND SERVICES

#### **ELECTRONIC COMMUNICATION SERVICE PROVIDERS**

	No. of authorised entities <sup>(a)</sup>	No. of operational entities <sup>(a) (b)</sup>
TV signal distribution service (c)	18	12
Mobile telephone service		
Mobile network operators (MNO)	3	3
Mobile virtual network operators (MVNO)	8	6
Telephone service at a fixed location	17	13
Internet access service		
Fixed broadband	54	42
Mobile broadband	9	9
Nomad use voice over internet service (nomad VoIP) (d)	25	17
Public payphone service	6	2
Virtual calling card service	18	9

#### **POSTAL SERVICE PROVIDERS**

	No. of authorised entities <sup>(a)</sup>	No. of operational entities (a)
Postal services outside the scope of universal service	81	64 <sup>(e)</sup>
Postal services covered by the scope of universal service	15	11

- a) Situação em 30 de junho de 2017
- b) Inclui entidades em atividade com oferta retalhista e/ou grossista.
- c) Inclui o serviço prestado no âmbito das RDC (9 prestadores em atividade) e através de outras plataformas (3 prestadores em atividade).
- d) Serviços prestados com recurso à gama de numeração "30".
- e) b) Inclui 24 empresas a prestar o serviço sob a marca MRW em regime de franchising (a empresa lbercourier é proprietária da marca MRW), 16 empresas a prestar o serviço sob a marca Nacex em regime de franchising (a empresa Logista é proprietária da Marca Nacex) e 2 empresas a prestar o serviço sob a marca Enviália em regime de franchising.

#### FREQUENCY USAGE RIGHT TRANSFER

The Autoridade Nacional de Comunicações (ANACOM) made public that it had received from the ERC Media Regulatory Board a request for a decision on the manifest intention of Edições

Linear Cooperativa Editorial to transfer to M90 Radiodifusão the frequency usage right it was granted to carry out audio broadcasting activity. (+)

#### ACCESS AND USE OF INFRASTRUCTURES

ANACOM decided on 15 September to begin the procedure of drawing up the regulation on the methodology to use when setting the value of compensation to be paid by electronic communication companies in return for access and use of

infrastructures able to house electronic communication networks. The deadline for sending in contributions was 9 October. (+)

#### **CHANGES TO THE RUO**

ANACOM approved on 10 August the draft decision on changes to the reference unbundling offer (RUO), which was subject to public consultation until 25 September. The draft decision now

approved by this authority determines a set of changes to the RUO, taking into account the analysis done and the reasons indicated by interested parties and stakeholders. (+)

# COMMUNICATIONS AROUND THE WORLD

## **EUROPEAN UNION**

#### PARLIAMENT APPROVES 'WIFI4EU'

The European Parliament approved on 12 September the regulation meant to promote the installation of free wireless internet access points in public spaces throughout the European Union (EU) – WIFI4EU.

The programme, with an initial financial endowment of 120 million euros, is reserved for public institutions with open spaces (town and city halls, libraries, hospitals and other public bodies) for the installation of local wireless internet access points, implementing simple administrative procedures for that purpose. (+)

#### **ROAMING**

Eurobarometer has published the results of a questionnaire conducted in August 2017 showing that 71 percent of Europeans are aware of the new roaming rules and recognise the benefits of the change. The results obtained also indicate a considerable increase in roaming use of mobile networks since 15 June. (+)

#### **CYBERSECURITY**

The European Commission (EC) public consultation on the set of measures announced on 19 September, meant to reinforce and endow the EU with suitable instruments to deal with cyber attacks, runs until 17 November.

The measures to reinforce the cybersecurity sector include a proposal to enhance the role of the EU Network and Information Security Agency (ENISA), as well as a directive that increases the capability of authorities responsible for enforcing the law to fight such criminal practice. (+)

#### **BROADBAND COVERAGE**

The EC has released a study on broadband coverage in Europe which analyses progress of the EU member states, Norway, Iceland and Switzerland in this area between June 2015 and June 2016. The data obtained indicates that 218 million homes (99.9 percent) had access to at least one technology for accessing fixed or mobile broadband. (+)

#### **E-GOVERNMENT**

The European Parliamentary Research Service published on 22 September a memorandum on the role of eGovernment in developing the single market. The document recognises that the low level of digitalised public services and the lack of interoperability between eGovernment systems still present electronic barriers and hinder the free movement of goods, services and people in the single market. (+)

#### BEREC

#### **NET NEUTRALITY**

The Body of European Regulators for Electronic Communications (BEREC) published on 19 September a study on the regulatory approach to net neutrality implemented in Chile, India and the United States of America.

This study constitutes an important resource of practical information for the purpose of implementing Regulation no. 2015/2120. (+)

#### STAKEHOLDER FORUM

The fifth BEREC Stakeholder Forum scheduled for 18 October in Brussels was set to focus on new challenges faced by regulators as well as how to act to protect consumer rights and

promote innovation in a fast-changing environment.

BEREC's proposed working programme for 2018 is also to be presented; the respective public consultation will be launched on that day. (+)

#### 32ND BEREC PLENARY MEETING

The 32nd BEREC plenary meeting was held on 5-6 October in Bucharest, hosted by the Romanian regulatory authority ANCOM (National Authority for Management and Regulation in Communications).

A public briefing to present results of the plenary meeting was held on 11 October in Brussels. (+)

### **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 European Conference of Postal and Telecommunications Administrations (CEPT), the International Telecommunication Union (ITU), the European Union (EU), the European Regulators Group for Postal Services (ERGP) and the Body of European Regulators for Electronic Communications (BEREC).

#### **CEPT**

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

- WG FM PT44 17-19 July in Luxembourg; (+)
- WG NaN 13-14 September in Athens. (+)

Com-ITU met on 6-7 September in Copenhagen, while Paris hosted on 6-7 September a meeting of WG UPU. (+)

Meetings of CPG PTD (+) and CPG PTB (+) were respectively held on 12-14 September in Vilnius and on 12-15 September in Copenhagen.

#### ITU

The following meetings took place in Geneva:

- Working Group on Implementation of the WSIS Results 18-22 September; (+)
- Group of Experts for the International Telecommunications Regulations - 13-15 September; (+)

- Working Group for the 2020-2023 Strategic and Financial Plans - 11-12 September; (+)
- WP1A and WP1B 13-20 June. (+)

#### EU

In the EU context, meetings of the following groups were held in Brussels:

- Mobile EWG 5 September; (+)
- RSC 12-13 July. (+)

#### **ERGP**

The following meetings were held in Rome:

- Steering Group 8 September; (+)
- Task force on Efficiency 7 September; (+)
- Working subgroup on Implementation and Evolution of the USO - 7 September. (+)

Belgrade hosted meetings of other working groups:

- Working subgroup on Regulatory Accounting/Price
   Regulation 20 September; (+)
- WG End Users and Market Monitoring 19 September. (+)

#### BEREC

The following BEREC meetings were held:

- MEA EWG drafters videoconference on 18 September; (+)
- Contact Network 14-15 September in Belgrade; (+)
- MEA EWG drafters videoconference on 12 September; (+)
- NGN EWG drafters videoconference on 5 September. (+)

#### **ECTA REGULATORY CONFERENCE 2017**

The ECTA Regulatory Conference 2017 will be held this coming 28 and 29 November at the Management Centre Europe in

Brussels. The event is organised by the European Competitive Telecommunications Association (ECTA). (+)

#### ERGP WORKSHOP ON POSTAL CONSUMERS

An ERGP-organised workshop on 'Empowering Postal Consumers: new developments, challenges and solutions' will be held on 29 November in Bonn, Germany. The work will be split into two parts: debate on consumer complaints

in different member states and analysis of questions associated to consumer information and transparency; and presentation and discussion of a study on key postal sector developments. (+)

#### PORTUGUESE VICE-CHAIR OF URSI COMMITTEE

At the 32nd General Assembly of the International Union of Radio Science (URSI), held last 19-26 August in Montreal, Canada, Professor Nuno Borges de Carvalho was elected

vice-chair of URSI Scientific Committee A (electromagnetic metrology: electromagnetic measures and standards). (+)

## **NEWS FROM OTHER COUNTRIES**

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

- Results of the annual consumer questionnaire have been published. They indicate satisfaction with services and prices offered in the telecommunications market, some difficulties comparing prices and services and ignorance about basic rights in telecommunications. (+)
- Results of the impact evaluation done in 2016 on protection of consumers in legislation on electronic communications have been released. (+)

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

The public consultation meant to gather contributions on the proposed new General Numbering Regulation ended on 30 September. (+)

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

The provision of additional internet services in cities of Ontario and Quebec has been approved, with temporary prices. The aim is to encourage competition between companies that provide broadband internet access services. This measure is part of a larger plan to promote competition which will be gradually implemented throughout the country. (+)

# FRANCE - Autorité de régulation des communications électroniques et des postes (ARCEP)

- A public consultation to run until 18 October was approved, concerning the price framework applicable to the provision of universal postal service for the period 2019-2022. (+)
- A decision modifying the frequency usage authorisations of Orange in the 2.1 GHz band has been approved, considering that the current limits restrict the kinds of technology used, specifically long term evolution (LTE). Orange will be able to implement its 4G network in this band. (+)
- The public consultation meant to gather contributions on the draft decision determining the list of emergency numbers to freely route by electronic communications operators ended on 13 October. (+)

# IRELAND - Commission for Communications Regulation (ComReg)

The public consultation on the postal regulation strategy for the 2018-2020 period ended on 25 September. The main challenges identified are the financial situation of An Post, limits on major price increases, the need to cut costs and reduce losses (by negotiating better terminal licence agreements) in incoming international mail and the response to changing demand dynamics in the postal sector. (+)

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

- KCOM was fined nearly 1 million euros following identification of 74 failed emergency calls during the storm Eva (December 2015). Ofcom found that the problem was due to deficient call routing during a situation of excessive calls on line. (+)
- A report has been published which compares the quality of service of various operators, indicating that 92 percent of mobile service customers and 87 percent of broadband service customers are satisfied. (+)

#### CZECH REPUBLIC - Czech Telecommunication Office (CTU)

Results of the auction of frequency usage rights in the 3600-3800 MHz frequency band for high speed data networks have been released. Frequency usage rights were thus allocated to two new operators, Nordic Telecom 5G and PODA, besides the current O2 Czech Republic and Vodafone Czech Republic. (+)

# ROMANIA - National Authority for Management and Regulation in Communications (ANCOM)

A public consultation has been conducted to identify bands of interest for joint allocation with 700 MHz, and the form and specific conditions inherent to the allocation process. (+)

#### SWEDEN - Swedish Post and Telecom Authority (PTS)

A recently launched spectrum auction is under way until 23 January 2018 and aims to allocate a national 2x5 MHz licence in the 450 MHz band. The licensee will be valid from 5 March 2020 until 31 December 2044. (+)

#### HIRING IN THE ITU

Applications for the following vacant positions can be submitted to the International Telecommunication Union (ITU), a specialised United Nations agency based in Geneva:

- Head, ICT Applications & Cybersecurity Division; (+)
- Human Resources Administrator. (+)
  Applications must be submitted by 30 October and 10
  December, respectively, via the ITU website.

## **2ND QUARTER 2017 STATISTICS RELEASED**

BUNDLED ELECTRONIC COMMUNICATION SERVICES

The number of subscribers to such offerings reached 3.6 million. Package offers continue to be the most popular, with the 5P offering recording a volume of 1.491 million subscribers, followed by the 3P offering with 1.475 million subscribers. (+)

#### SUBSCRIPTION TV SERVICE

The total number of subscribers to pay-TV service reached nearly 3.72 million, 27,000 more than in the previous quarter and 126,000 more year-on-year. (+)

#### **FIXED TELEPHONE SERVICE**

The penetration rate of main telephone accesses stood at 46.4 accesses per 100 inhabitants, the highest value recorded since such statistics have been gathered (fourth quarter 2006). (+)

#### **INTERNET ACCESS SERVICE**

The penetration rate of internet access service at a fixed location stood at 33.6 per 100 inhabitants in the case of fixed accesses and 65.2 per 100 inhabitants in the case of mobile accesses actually used. (+)

#### **MOBILE SERVICES**

The penetration of mobile service reached 166.2 per 100 inhabitants. The penetration rate of mobile stations actually used was 126.2 per 100 inhabitants. The number of mobile stations authorised to use the service reached 17.1 million. (+)

#### **POSTAL SERVICES**

Total postal services traffic fell 6.7 percent year-on-year to 195.5 million objects. (+)

### AMATEUR AND AMATEUR SATELLITE SERVICE

The Autoridade Nacional de Comunicações (ANACOM) announced on 13 September additional procedures for the operation of amateur stations near spectrum monitoring

infrastructures, specifically in the context of SOTA (Summits on the Air) activities. (+)

#### COVERAGE OBLIGATIONS IN THE 2100 MHZ BAND

ANACOM approved on 15 September the methodology and ad hoc questionnaire to verify the coverage obligations imposed on MEO, NOS and VODAFONE in the 2100 MHz band for the

588 civil parishes potentially lacking mobile broadband, as well as the revision of the annual questionnaire to be submitted by those operators. (+)





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